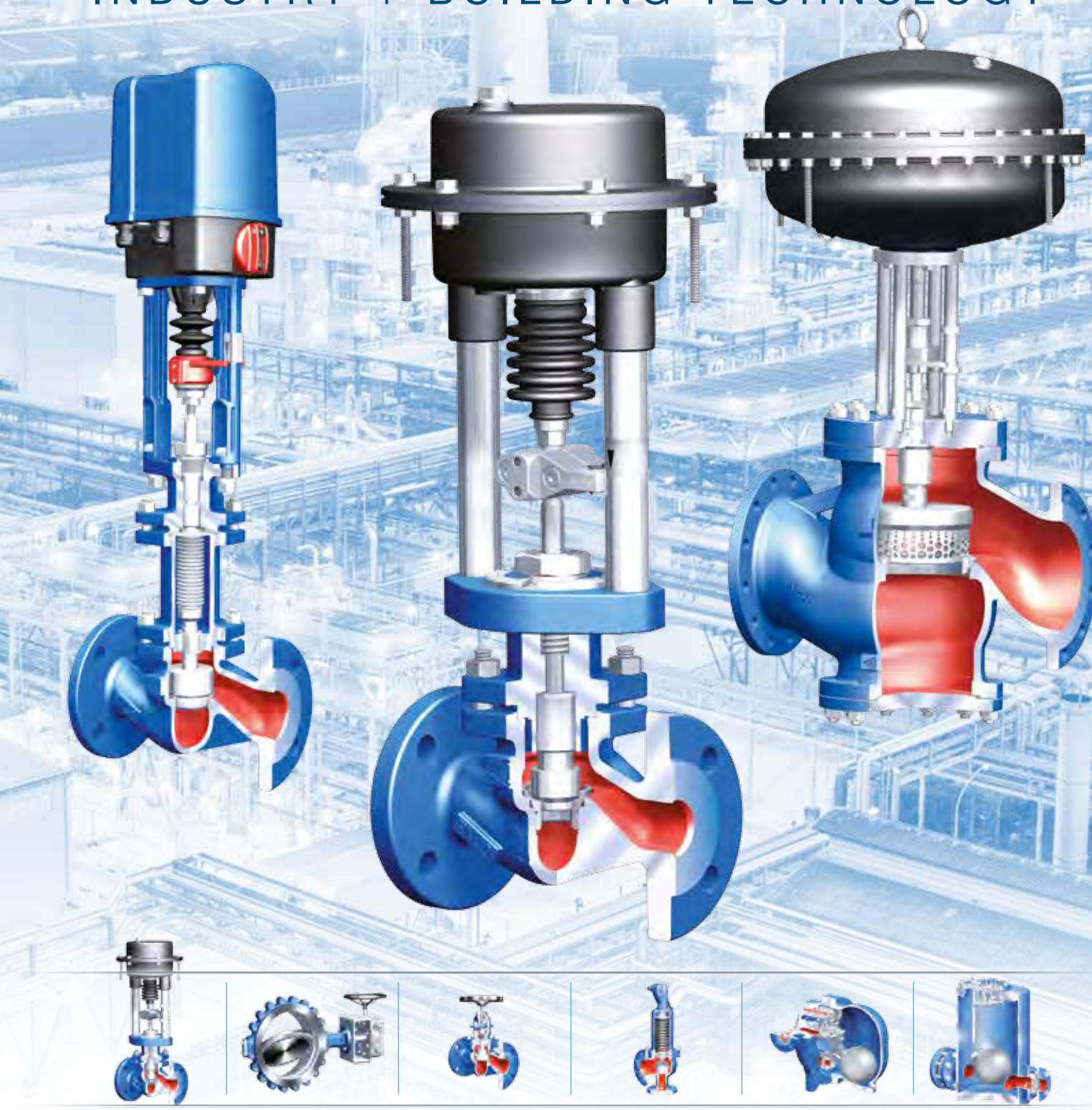
Control – Isolation – Safety – Steam trapping

# Pricelist 2017

## INDUSTRY + BUILDING TECHNOLOGY





**STEVI® Vario**
**Control valves**



**ZETRIX®**
**Process valves now also in fully lugged version**



**STOBU®**
**Stop valves with gland seal for medium pressure (now up to DN 100)**



**SAFE Safety valves with "SHR" premium soft seal. Now available in DN 200 and DN 250**



**CONA® P**
**Pump trap**

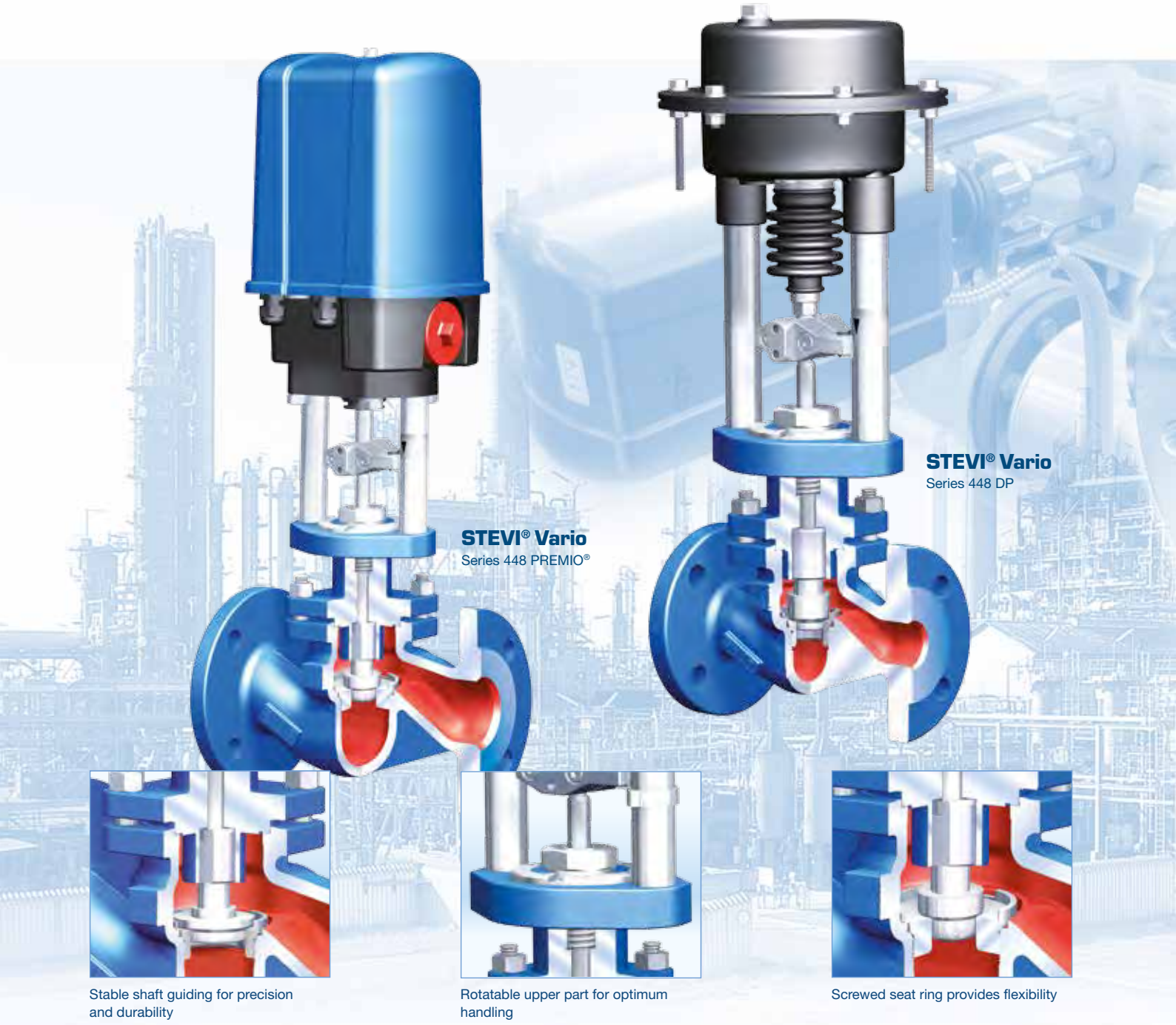


**CONLIFT®**
**Condensate pump**

ARI ARMATUREN

# STEVI® Vario

The variable, compact control valve



**STEVI® Vario**
Series 448 PREMIO®

**STEVI® Vario**
Series 448 DP



Stable shaft guiding for precision and durability



Rotatable upper part for optimum handling



Screwed seat ring provides flexibility

## STEVI® Vario

Long life: stem seals already proven millions of times over, service life now extended even further (PTFE V-ring sealing units and EPDM linings).

Optimum handling: upper part can be rotated 360°

Flexible: changeable, variable trim (at least 4 Kvs values as well as multiple flow characteristics and plug designs)

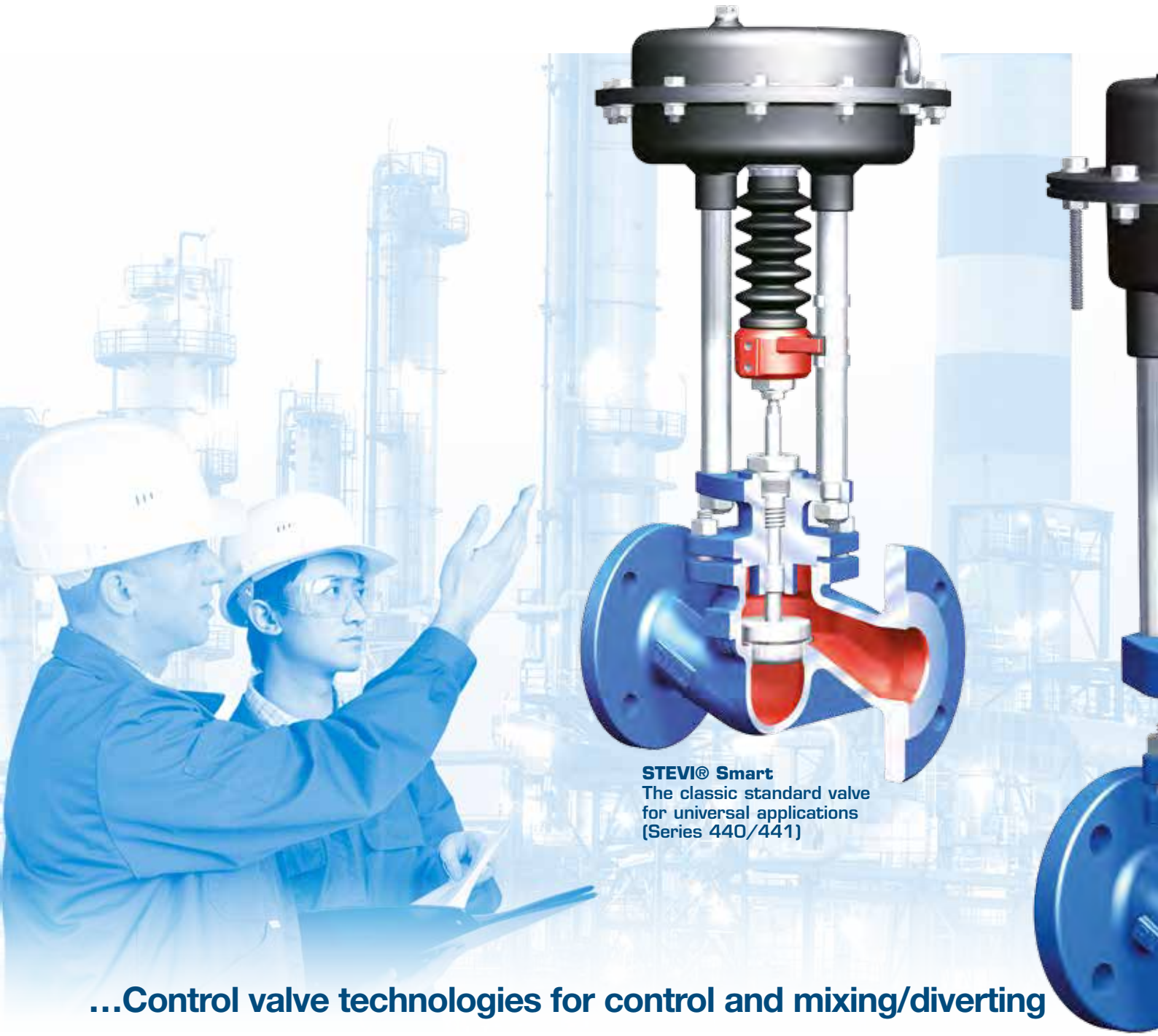
Precise and durable: vibration is prevented even at high differential pressures (stable shaft guiding)

Easy handling: small footprint and reduced weight (low height)

Economical: very low air consumption (smaller pneumatic actuators on request)

Further Information on page 24

# STEVI® Expert control



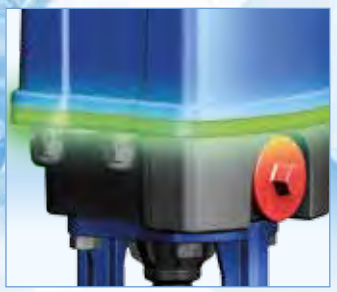
**STEVI® Smart**
**The classic standard valve for universal applications (Series 440/441)**

## …Control valve technologies for control and mixing/diverting

- More than forty years of experience in the development and sale of advanced control valve technologies
- Your strong service partner – with 13 branches and sales partners in more than 60 countries worldwide
- A sharp focus on our customers, competent advice and short delivery times
- All ARI products are developed with the very latest design standards, tested under the most rigorous conditions in our in-house experimental facilities, manufactured with the highest possible precision and subjected to continuous in-process quality controls
- Comprehensive design know-how, for example through ARI-myValve®, our user-friendly sizing software
- ARI products are manufactured at three different locations – all of them in Germany. Benefit for you: quality “Made in Germany” – certified acc. to DIN ISO 9001. Numerous product approvals, e.g. Det Norske Veritas and Lloyd’s Register Quality Assurance
- High degree of vertical integration for flexibility, speed and professionalism
- What sets us apart: all valves and all electric and pneumatic actuators are developed and manufactured in-house We make it as simple as possible for you to order – by recommending valve-actuator combinations tailored to your individual needs

**STEVI® Vario:**
The variable, compact control valve (Series 448/449)

**STEVI® Pro:**
The high-performance control valve for critical applications (Series 470/471)



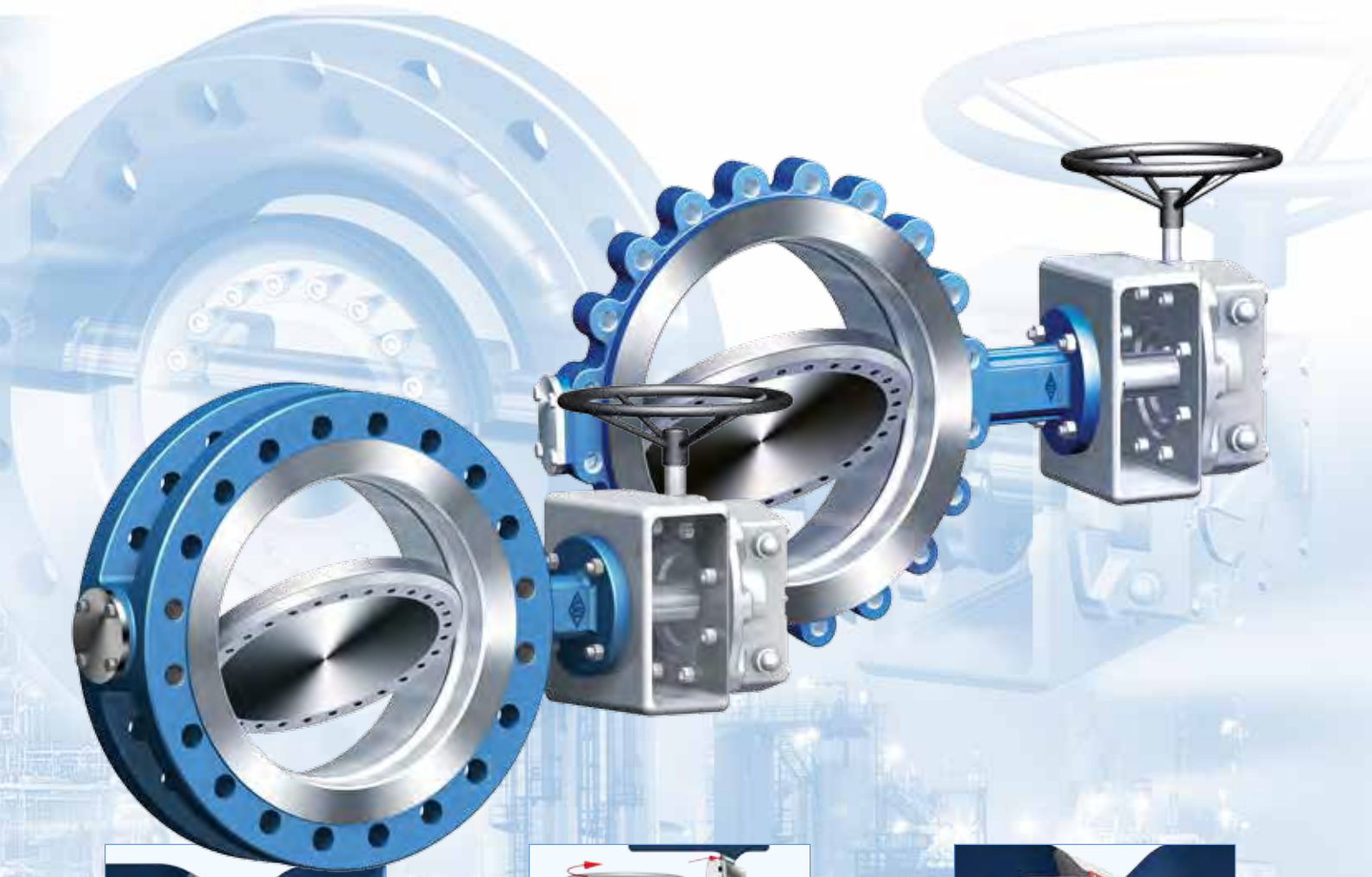
**PREMIO Plus 2G - Now available with optional LED status display!**
Your benefit: The display reports normal operation, maintenance and possible malfunctions in a way that is clearly visible (360° circumference).
**New: BLDC motor for significantly reduced power consumption**

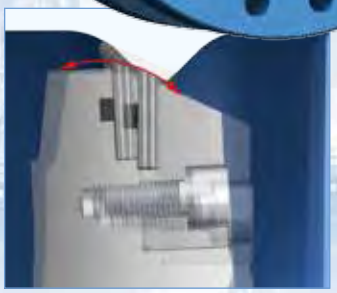
If you too would like to profit from ARI's extensive knowledge and experience, just give us a call. You are also welcome to visit one of our regular training events in Germany or abroad!

## Expert control made by ARI – profit from a wide array of services and a strong partnership!

# ZETRIX®

The triple offset, metal seated process valve: New fully lugged version up to DN 600. Double flanged design now up to DN 1200!





Triple offset design guarantees a frictionless rotary movement of the sealing ring into the seat.

Maximum closing force with minimum effort because the contact angles are optimised with our special geometry optimisation software.

Self-aligning sealing ring facilitates thermal compensation and ensures tightness regardless of temperature variations.

## ZETRIX®

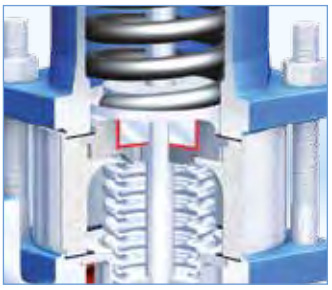
The triple offset, metal seated process valve

- Now even more versatile with new lug type version up to DN 600
- More variety with double flanged design now up to DN 1200!
- Reliably tight – even in harsh industrial environments.
- Certified safety according to ISO 15848-1, Approvals: Firesafe, bidirectional gas-tight, leakage rate A according to EN 12266-1.
- Maximum closing force with minimum effort due to the triple offset disc design.
- Uniform closing force due to the “smart” sealing ring (self-aligning ring)

Further Information on page 122

# SAFE

Safety valves SAFE with „SHR“ premium soft seal. Up to + 220° C. Now also in **DN 200** and **DN 250**.



Two-fold safety: stainless steel bellows with separate balanced piston as standard

SAFE now also in DN 200 and DN 250

**SAFE 900**

**SAFE P**

**SAFE-TC**

**SAFE-TCP/TCS**

NEW from ARI!

NEW from ARI!

**SHR:** Now for steam and hot water up to +220°C! Zero leakage – in combination with the innovative premium soft seal

**SAFE Combi C:** The combination with a changeover valve. Maintenance costs reduced to a minimum because there is no need to shut down the plant for servicing.

**SAFE Combi R:** The combination with a rupture disc. Zero leakage (allows the use of media which tend to harden or become sticky in contact with the atmosphere --- protection against corrosion)

## Steam-/Hot Water-Resistance (SHR):

- Suitable for SAFE and SAFE SN (Semi Nozzle)
- Even more economical with extended lifetime (optimal leak-proof technology)
- Type test approved acc. to VdTÜV 100 (TÜV Nord)
- Ideal for steam and hot water generators
- acc. to DIN EN 12953 (TRD 421) e.g. shell boilers or district heating

**Greater Efficiency:**

- Extended size range: now DN 15-250
- Suitable for chemical applications: can be upgraded with rupture disc, stainless steel bellows seal and proximity switch

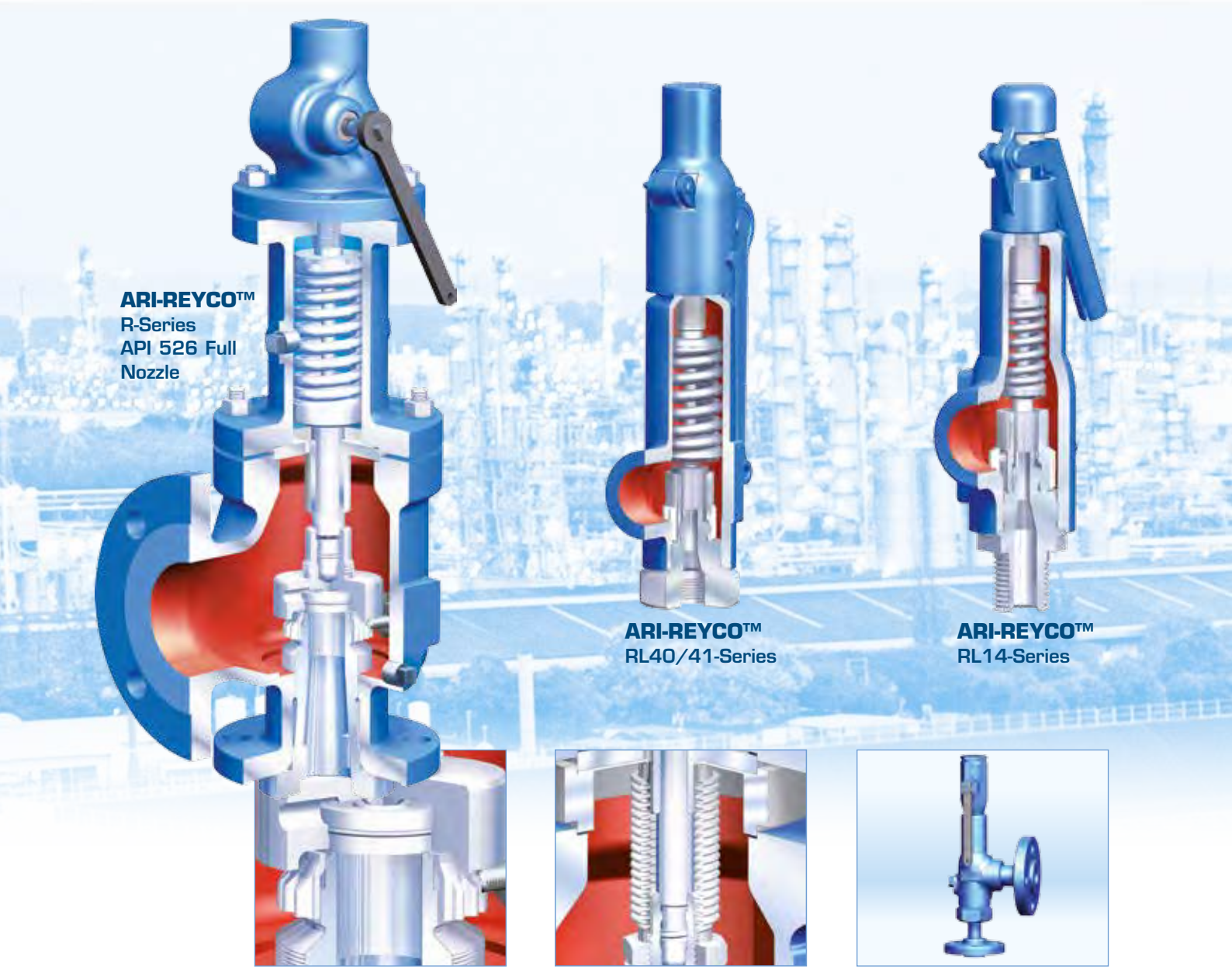
**Greater Reliability:**

- Type test approved acc. to VdTÜV
- ASME certification from the U.S. National Board
- Two-fold safety: stainless steel bellows with separate balanced piston as standard

Further Information on page 142

# ARI-REYCO™

Accurate response, flip-over plug, optimal plug guiding – up to 6000 psi (414 bar)!



**ARI-REYCO™**
**R-Series**
**API 526 Full Nozzle**

**ARI-REYCO™**
**RL40/41-Series**

**ARI-REYCO™**
**RL14-Series**



Nozzle guided close to the seat – for a more accurate response. Flip-over plug – double sided sealing system assures simple handling, easy servicing and a longer service life.



Bellows available as a retrofit option. Bellows seals made of standard Inconel 625.



More options with different flange connections up to ANSI 2500 are available. Can also be supplied with butt or socket weld ends.

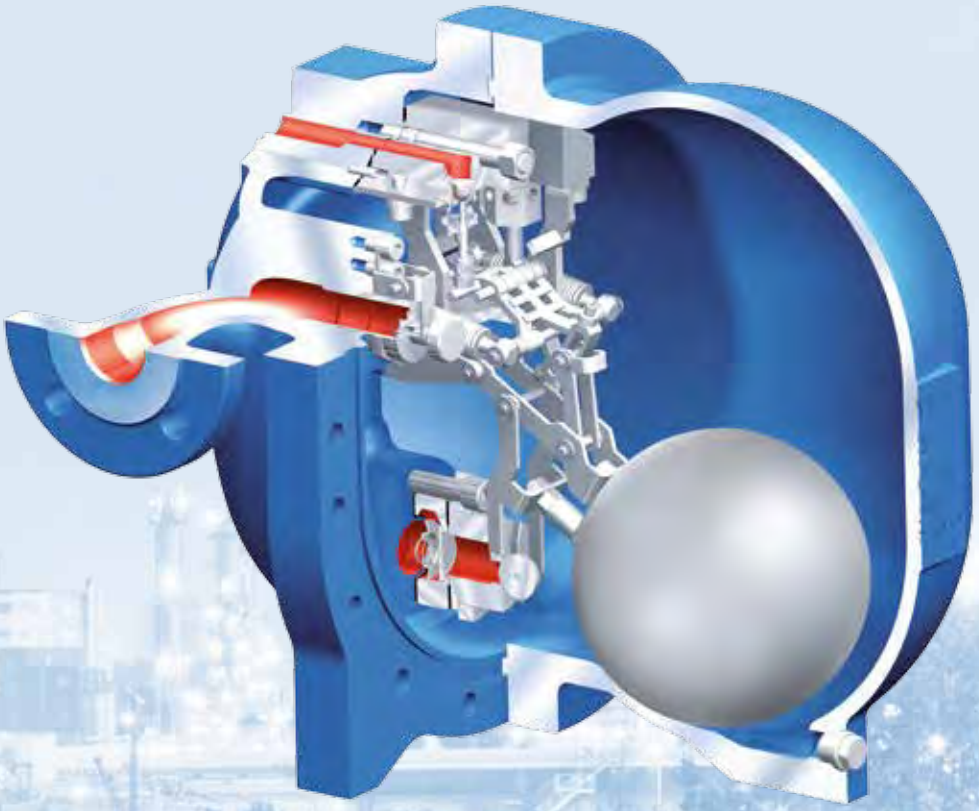
## Accurate response, flip-over plug, optimal plug guiding – up to 6000 psi (414 bar)!

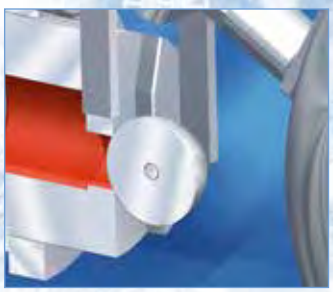
- Powerful: suitable for oil and gas processing (ARI-REYCO™)
- Simple handling: easy to service due to the flip-over plug (double sided sealing system)
- Durable: increased service life due to the corrosion-resistant bellows seals made of standard Inconel 625; the bellows also provides backpressure compensation as standard
- Fexible: Optionally available in Monel, Duplex, Super Duplex or Hastelloy
- Reliable and durable: precise repeatability of the set pressure and increased service life due to the accurately guided nozzle (nozzle thread close to the seat)
- Identical trim irrespective of the medium (steam, gases, liquids)

Further Information on page 152

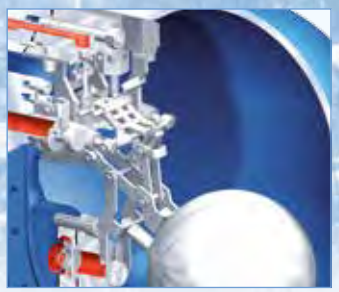
# CONA® P

## Pump trap

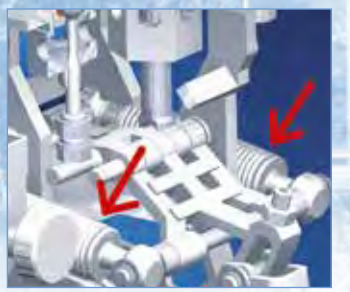




Steam trap mechanism has a shut-off element with a rolling ball for reliable closure of the feed pipe



Steam trap / pump switching mechanism
Valves have a marginal seat for reliable closure of the vented and motive steam pipes



High-endurance Inconel springs prevent malfunctions

## CONA® P
Pump trap

For continuous control of steam users without problems under negative pressure conditions (back-pressure downstream of the trap ≥ inlet pressure upstream of the trap).

Operates as a conventional ball float steam trap if the pressure difference is positive. In case of higher back-pressure it works automatically as a condensate pump. Prevents condensate from backing up in the heat exchanger if the pressure difference is negative.

Economical and flexible: “Two-in-One” principle unites all the functionality of a traditional float trap and a condensate pump in ONE item – ideal when space is restricted (compact design).

- Versatile: applicable for all loads
- High performance: large displacement
- Economical: water hammer in the system reduced to a minimum
- Easy handling: low filling head required
- Economical: condensate recovery from steam systems under varying operating conditions, also at part load (self-acting operating principle)

Further Information on page 174

# CONLIFT®

## Mechanical condensate pump

Extended life due to double guided motive steam valve with marginal seat – for reliable closure of the motive steam pipe

Extended life due to spring-operated air vent valve with marginal seat – for reliable closure of the vented pipe

Low inlet into the feed pipe – to prevent steam from entering

## CONLIFT®

### Mechanical condensate pump

Versatile – energy efficient – for condensate collection and return

- Economical and energy efficient because the pump is operated purely mechanically under steam or gas pressure (ideal for use in potentially explosive atmosphere)
- Condensate can be removed under any conditions (from vacuum to high temperatures), ensuring safety and flexibility
- Economical through maximum energy recovery (condensates can be pumped up to boiling temperature)
- Powerful pump with a high delivery rate
- Low filling head means greater planning flexibility
- Cost-effective due to minimal maintenance required
- Only one control unit is used for all nominal diameters, resulting in easy handling
- Reliable and durable because all internals are made of corrosion-resistant stainless steel
- More dependable than electric pumps as the flow is free from cavitation even at temperatures exceeding 95°C

Further Information on page 175

# CONA® All-in-One

Compact condensate discharge in a multi-valving system!
Now with DIN face-to-face dimensions!



CONA® M All-in-One


CONA® TD All-in-One


CONA® SC All-in-One

## CONA® All-in-One

Compact condensate discharge in a multi-valving system!

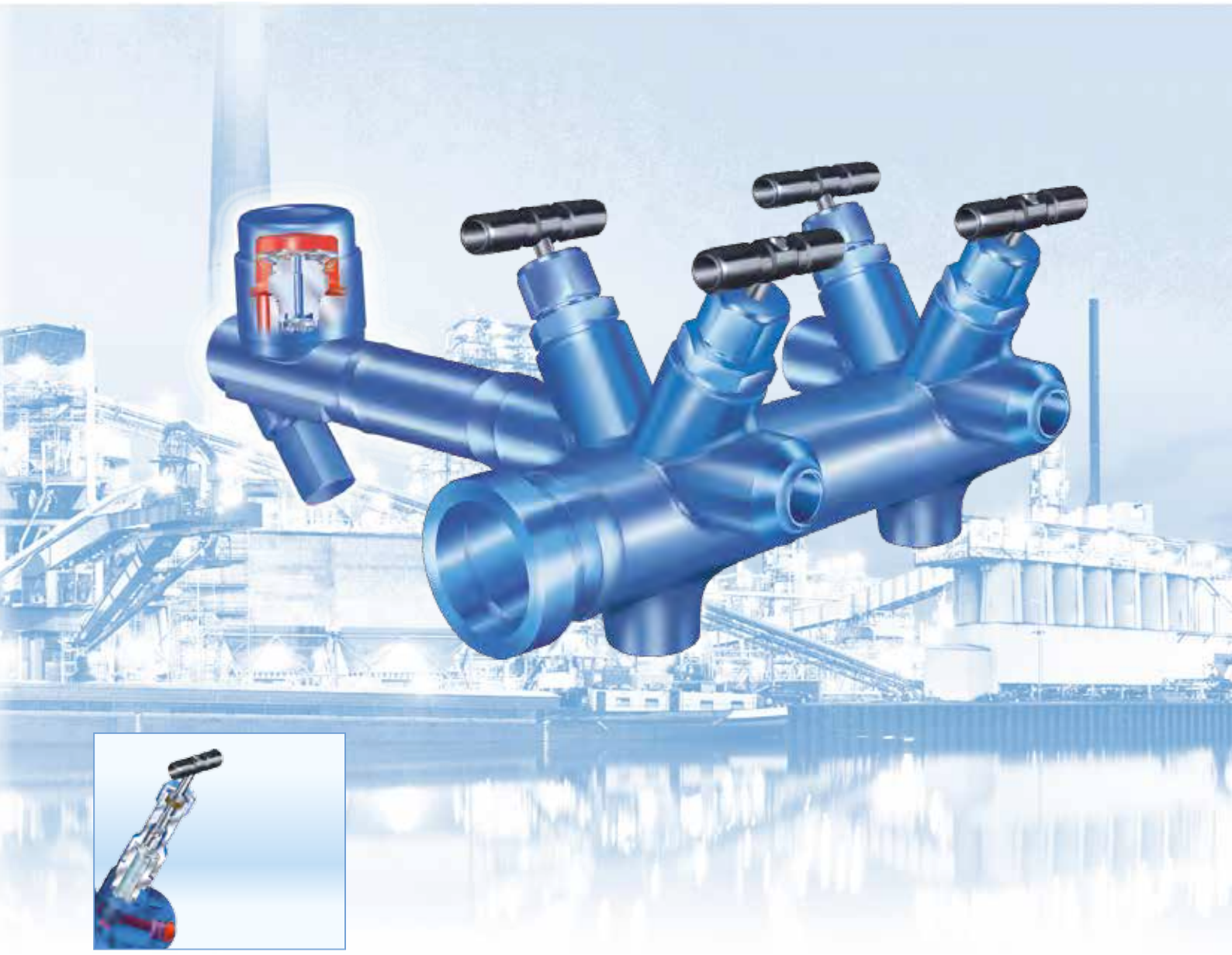
*Patented* – The integrated system comprises a steam trap, stop valve, strainer, check valve and drain valve! Up to 80% reduction in pipe connections. Now also with DIN face-to-face dimensions!

- Economical due to integrated stop valves (eliminates two stop valves) – patented design (DE 10 2006 041 132)
- Variable, modular design guarantees extremely easy servicing due to replacement of the controller without disturbing the pipework, conversion to other steam trap types simply by dismantling the cap and controller (also without removing the steam trap from the pipework), conversion of the integrated valves by replacing the valve bonnet!
- Economical through time and cost savings because piping is reduced to a minimum (the number of pipe connections can be reduced from as many as twelve to just one or two)

Further Information on page 180

# CODI®

## Collector / Distributor





Bellows seal type on request

## CODI®

Collector / Distributor

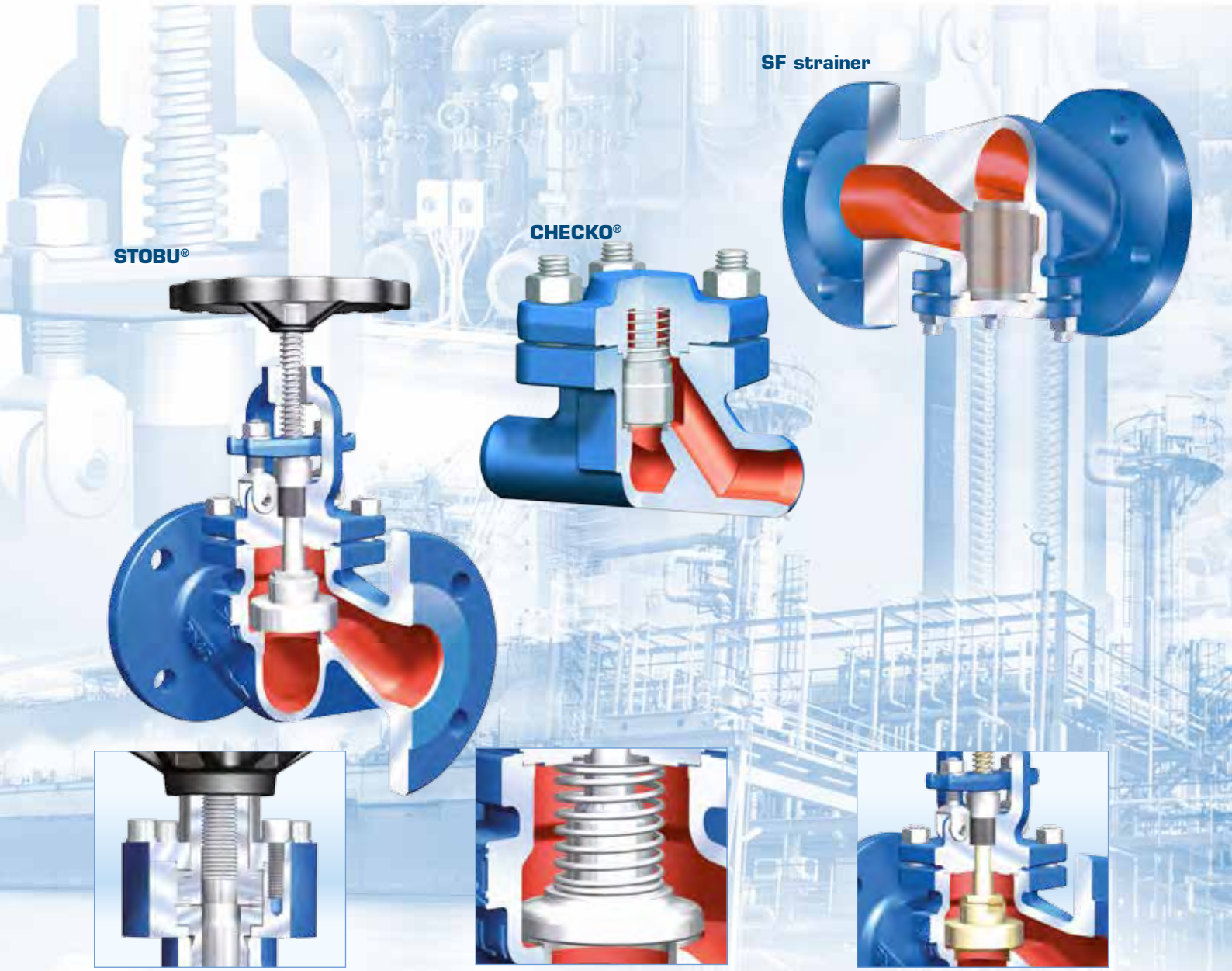
Collects and distributes condensate, steam and fluids (minimal welding, reduced assembly time, rapid start-up)!

- Flexibility through design: compact, variable modular components (choose from 2, 4, 6, 8, 10, 12, 14, 16 or 18 ready-integrated stop valves! All functional parts replaceable in situ – without removing the manifold)!
- Two-fold safety due to integral stop valves with double sealing mechanism when the valve is fully open!
- Economical: optimum on-site handling and durability (forged steel and metal seal ...)
- Dual function: collector or distributor
- Optional: manifold complete with steam traps
- Vertical or horizontal mounting
- Variable gap between modular components
- Optional insulating jacket provides added plant safety and saves energy

Further Information on page 186

# STOBU®/CHECKO®/SF

The medium pressure range in PN 63-160






Optimal handling: Non-rising handwheel (PN 63-160)



Maximum cost effectiveness: “Two-in-One” (screw-down non-return plug with resetting spring provides additional function as a check valve with shut-off feature)



Diversity: e.g. seawater version

## STOBU®

The stop valve alternative
Variable, durable, “Two-in-One”!

- Easy to service because the gland packing can be replaced in a few simple steps
- Optimal handling because the gland seal stuffing box allows easy tightening
- Permanently leak-proof due to burnished stem and chambered bonnet seal
- Durable due to bonnet top with threaded bush
- Easy to service due to pivot mounted bolts fixed to the bonnet
- Completely leak-proof due to ideal plug / seat hardness gradient
- Durable due to plug / seat surface with stellited finish
- Two-fold safety due to double sealing mechanism – new: now up to DN 100!
- Optimal handling due to non-rising handwheel
- Certified safety due to spring loaded stop valve with gland seal acc. to EN ISO 15848-1 / TA-Luft

Further Information on page 104

# ARI-STEVI® Pro

## Pneumatic actuated control valve in straight through form

Body: EN-JS1049 / 1.0619+N / 1.4581
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220°C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuators: ARI-DP single acting pneumatic actuators
Action: spring closes / opens the seat on air failure
Closing pressures for standard Kvs-values

DVGW-GAS type approval on request.[3)]

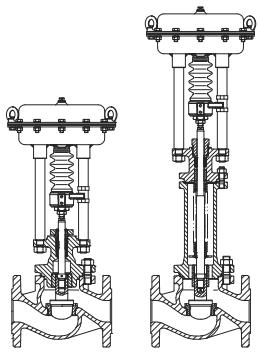


Fig. ...470....1 Fig. ...471....1
ARI-DP

| nominal diameter | | | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | standard | | | | | 4 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 250 | 400 |
| | | reduced miniature Kvs-values see special design | | | | | 2,5/1,6/1 | 4/ 2,5/1,6/1 | 6,3/4/2,5/1,6/1 | 10/6,3 | 16/10 | 25/16 | 40/25 | 63/40 | 100/63 | 160/100 | 250/160 |
| DP32 | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,2 | closing press. (bar) | | 8,1 | 4,8 | 3,3 | 1,3 | | | | | | | |
| | | 0,4-1,2 | | 1,4 | | | 25,8 | 16,8 | 12,6 | 7,1 | 3,8 | 2,1 | | | | | |
| | spring opens | | | 1,4 | | | 25,8 | 16,8 | 12,6 | 7,1 | 3,8 | 2,1 | | | | | |
| | | | | 6 | | | 40 | 40 | 40 | 40 | 40 | 40 | 34 | 22,3 | 14,1 | | |
| Fig. No. | 23.470....1 | PN16/25 | | EN-JS1049 | | | 1.607,- | 1.637,- | 1.654,- | 1.809,- | 1.840,- | 1.895,- | 2.578,- | 2.836,- | 3.643,- | | |
| | 35.470....1 | PN25/40 | | 1.0619+N | | | 1.849,- | 1.867,- | 1.900,- | 2.098,- | 2.167,- | 2.282,- | 3.132,- | 3.504,- | 4.134,- | | |
| | 55.470....1 | PN40 | | 1.4581 | | | 2.292,- | 2.341,- | 2.400,- | 2.732,- | 3.120,- | 3.439,- | 4.630,- | 5.511,- | 7.429,- | | |
| DP33 | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,2 | closing press. (bar) | | 18,6[c)] | 11,9[c)] | 8,8[c)] | 4,8[c)] | 2,3[a)] | 1,1[a)] | | | | | |
| | | 0,4-1,2 | | 1,4 | | | 40[c)] | 31[c)] | 23,7[c)] | 14[c)] | 8,3[a)] | 4,9[a)] | 2,6[a)] | 1,4 | | | |
| | spring opens | | | 1,4 | | | 40[d)] | 31[d)] | 23,7[d)] | 14[d)] | 8,3[d)] | 4,9[d)] | 2,6[d)] | 1,4[d)] | | | |
| | | | | 6 | | | | 40[d)] | 40[d)] | 40[d)] | 40[d)] | 40[a)] | 40[a)] | 36,4 | 23,2 | | |
| Fig. No. | 23.470....1 | PN16/25 | | EN-JS1049 | | | 1.818,- | 1.848,- | 1.864,- | 2.018,- | 2.053,- | 2.104,- | 2.789,- | 3.044,- | 3.855,- | | |
| | 35.470....1 | PN25/40 | | 1.0619+N | | | 2.058,- | 2.081,- | 2.110,- | 2.309,- | 2.377,- | 2.492,- | 3.341,- | 3.714,- | 4.345,- | | |
| | 55.470....1 | PN40 | | 1.4581 | | | 2.501,- | 2.550,- | 2.609,- | 2.941,- | 3.329,- | 3.648,- | 4.727,- | 5.720,- | 7.637,- | | |
| DP34 | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,2 | closing press. (bar) | | | | | | 8,3[e)] | 5[e)] | 2,6[e)] | 1,5 | | | |
| | | 0,4-1,2 | | 1,4 | | | | | | | 20,4[d)] | 12,7[d)] | 7,2[d)] | 4,5 | 2,7 | 1,6 | 1 |
| | spring opens | | | 1,4 | | | | | | | 20,4[e)] | 12,7[e)] | 7,2[e)] | 4,5 | 2,7 | 1,6 | 1 |
| | | | | 6 | | | | | | | 40[e)] | 40[e)] | 40[e)] | 40 | 40 | 30,6 | 21,2 |
| Fig. No. | 23.470....1 | PN16/25 | | EN-JS1049 | | | | | | | 2.858,- | 2.908,- | 3.596,- | 3.852,- | 4.661,- | 6.577,- | 7.790,- |
| | 35.470....1 | PN25/40 | | 1.0619+N | | | | | | | 3.183,- | 3.300,- | 4.150,- | 4.522,- | 5.149,- | 7.927,- | 9.533,- |
| | 55.470....1 | PN40 | | 1.4581 | | | | | | | 4.135,- | 4.454,- | 5.742,- | 6.526,- | 8.443,- | 10.050,- | 12.680,- |
| DP34 T | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,5 | closing press. (bar) | | | | | | | | | | 1) | 1,2 | |
| | | 0,4-1,2 | | 1,7 | | | | | | | | | | | | 3,8 | 2,5 |
| | spring opens | | | 1,5 | | | | | | | | | | | | 5 | 3,4 |
| | | | | 6 | | | | | | | | | | | | 40 | 40 |
| Fig. No. | 23.470....1 | PN16/25 | | EN-JS1049 | | | | | | | | | | | | 9.137,- | 10.352,- |
| | 35.470....1 | PN25/40 | | 1.0619+N | | | | | | | | | | | | 10.489,- | 12.095,- |
| | 55.470....1 | PN40 | | 1.4581 | | | | | | | | | | | | 12.612,- | 15.242,- |
| DP34 Tri | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,5 | closing press. (bar) | | | | | | | | | | 1) | 2,5[a)] | 1,6[a)] |
| | | 0,4-1,2 | | 1,7 | | | | | | | | | | | | 6,3[a)] | 4,3[a)] |
| Fig. No. | 23.470....1 | PN16/25 | | EN-JS1049 | | | | | | | | | | | | 12.959,- | 14.172,- |
| | 35.470....1 | PN25/40 | | 1.0619+N | | | | | | | | | | | | 14.309,- | 15.915,- |
| | 55.470....1 | PN40 | | 1.4581 | | | | | | | | | | | | 16.432,- | 19.062,- |
| DP35 | spring closes | 1,8-3,8 | air supply press. min. (bar) | 4,3 | closing press. (bar) | | | | | | | | | | 1) | 40 | 40 |
| | spring opens | | | 1,5 | | | | | | | | | | | | 12,7[b)] | 8,7[b)] |
| | | | | 4 | | | | | | | | | | | | 40[b)] | 40[b)] |
| Fig. No. | 23.470....1 | PN16/25 | | EN-JS1049 | | | | | | | | | | | | on request | |
| | 35.470....1 | PN25/40 | | 1.0619+N | | | | | | | | | | | | | |
| | 55.470....1 | PN40 | | 1.4581 | | | | | | | | | | | | | |

# Additional performance for further closing pressures / additional performance

**Fig. 470/471 - ARI-DP**

Action: spring closes the seat on air failure

Closing pressures for standard Kvs-values

| nominal diameter | | | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | standard | | | 4 | 6.3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 250 | 400 |
| | | | | reduced | | | 2,5/1,6/1 | 4/2,5/1,6/1 | 6,3/4/2,5/1,6/1 | 10/6,3 | 16/10 | 25/16 | 40/25 | 63/40 | 100/63 | 160/100 | 250/160 |
| DP32 | spring range (bar) | 0,8-2,4 | air supply pressure min. (bar) | 2,7 | closing press. | bar | 40 | 40 | 31,4 | 18,7 | 11,3 | 6,9 | 3,8 | 2,2 | 1,2 | | |
| | | | | | add. performance | | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- | | |
| | | 1,5-2,9 | | 3,2 | closing press. | bar | | | 40 | 39 | | | | | | | |
| | | | | | add. performance | | | | 45,- | 45,- | | | | | | | |
| | | 2,0-3,8 | | 4,1 | closing press. | bar | | | | 40 | | | | | | | |
| | | | | | add. performance | | | | | 155,- | | | | | | | |
| DP33 | | 0,8-2,4 | | 2,7 | closing press. | bar | | 40[a] | 40[a] | 32,5[a] | 20,2 | 12,6 | 7,2 | 4,5 | 2,7 | | |
| | | | | | add. performance | | | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- | | |
| | | (1,7-2,7) 1,5-3,0 | | (3,1) 3,3 | closing press. | bar | | | | (40[a]) | 40 | 26,1 | 15,2 | 9,8 | 6,1 | | |
| | | | | | add. performance | | | | | 61,- | 61,- | 61,- | 61,- | 61,- | 61,- | | |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | | | | | 35,7 | 20,9 | 13,6 | 8,5 | | |
| | | | | | add. performance | | | | | | | 124,- | 124,- | 124,- | 124,- | | |
| DP34 | | 0,8-2,4 | | 2,7 | closing press. | bar | | | | | 40[b] | 28,2[b] | 16,5[b] | 10,6 | 6,6 | 4,1 | 2,7 |
| | | | | | add. performance | | | | | | 155,- | 155,- | 155,- | 155,- | 155,- | 155,- | 155,- |
| | | 1,5-3,0 (2,1-3,0) | | 3,3 | closing press. | bar | | | | | | (40[a]) | (40[a]) | (30,5) | (19,4) | 8,5 | 5,8 |
| | | | | | add. performance | | | | | | | 171,- | 171,- | 171,- | 171,- | 171,- | 171,- |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | | | | | | | | | 11,7 | 8 |
| | | | | | add. performance | | | | | | | | | | | 474,- | 474,- |
| | | 2,4-3,6 | | 4,0 | closing press. | bar | | | | | | | | 35,1 | 22,4 | | |
| | | | | | add. performance | | | | | | | | | 474,- | 474,- | | |
| DP34 T | | 0,8-2,4 | | 2,9 | closing press.[1] | bar | | | | | | | | | | 8,8 | 6 |
| | | | | | add. performance | | Additional performance for special design and accessories of actuators see pages 52 to 55 | | | | | | | | | 203,- | 203,- |
| | | 1,5-3,0 | | 3,5 | closing press.[1] | bar | | | | | | | | | | 17,7 | 12,2 |
| | | | | | add. performance | | **Larger nominal diameters on page 22** | | | | | | | | | 344,- | 344,- |
| | | 2,0-4,0 | | 4,5 | closing press.[1] | bar | Special flange drillings by agreement (refer to page 204) | | | | | | | | | 24 | 16,6 |
| | | | | | add. performance | | [1] DN125 and 150 with PTFE or graphite packing. | | | | | | | | | 951,- | 951,- |
| DP34Tri | | 0,8-2,4 | | 2,9 | closing press.[1] | bar | [2] Available from Kvs 1,0 upwards. | | | | | | | | | 13,9 | 9,5 |
| | | | | | add. performance | | [3] Design acc. to data sheet ARI-STEVI® 470-G / 471-G | | | | | | | | | 264,- | 264,- |
| | | 1,5-3,0 | | 3,5 | closing press.[1] | bar | | | | | | | | | | 27,1 | 18,8 |
| | | | | | add. performance | | | | | | | | | | | 371,- | 371,- |
| | | 2,0-4,0 | | 4,5 | closing press.[1] | bar | | | | | | | | | | 36,6 | 25,4 |
| | | | | | add. performance | | | | | | | | | | | 1.235,- | 1.235,- |

| special design | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stem-/bellows unit Fig. 23./ 35.471 | 637,- | 637,- | 713,- | 713,- | 744,- | 744,- | 767,- | 833,- | 887,- | 975,- | 1.061,- |
| Trim X 6 CrNiMoTi 17 12 2 (1.4571) | 110,- | 136,- | 148,- | 170,- | 215,- | 237,- | 377,- | 472,- | 857,- | 1.156,- | 1.436,- |
| Parabol. plug with PTFE-soft seal max. 200 °C [2] | 293,- | 293,- | 293,- | 293,- | 302,- | 319,- | 431,- | 489,- | 637,- | 791,- | 919,- |
| Miniature-Kvs-values 0,1-0,16-0,25-0,4-0,63 (only equal percentage) | 129,- | 129,- | 129,- | | | | | | | | |
| Pressure balanced plug max. 200 °C | | | | | 824,- | 1.051,- | 1.440,- | 2.035,- | 2.578,- | 3.243,- | 4.380,- |
| Hard facing seat and plug [2] | 527,- | 527,- | 527,- | 578,- | 634,- | 730,- | 863,- | 1.000,- | 1.266,- | 1.749,- | 2.308,- |
| Perforated plug (reduced Kvs-values) [2] | 171,- | 171,- | 171,- | 171,- | 229,- | 229,- | 304,- | 373,- | 474,- | 662,- | 899,- |
| V-port-plug | | | | | | | 204,- | 250,- | 318,- | 442,- | 599,- |
| Increased tightness on seat, leakage class IV-S1 | price and closing pressure on request | | | | | | | | | | |
| Type approval (DVGW-GAS) acc.to DIN EN 13611 (EN-JS1049 and 1.0619+N) [3] | 155,- | 159,- | 165,- | 193,- | 214,- | 244,- | 406,- | 479,- | 650,- | 861,- | 1.058,- |

Air supply pressure: max 6 bar (ARI-DP34Tri: 5 bar) a) 5 bar b) 4,5 bar c) 4 bar d) 3,5 bar e) 3 bar

# ARI-STEVI® Pro

## Pneumatic actuated control valve in straight through form

Body: 1.0619+N
Type of connection: Butt weld ends DIN EN 12627
Face-to-face dimension: ETE 73 acc. to DIN EN 12982
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220°C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuators: ARI-DP single acting pneumatic actuators
Action: spring closes / opens the seat on air failure

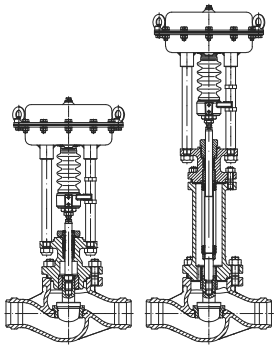


Fig. ...470....4 Fig. ...471....4
ARI-DP

Closing pressures for standard Kvs-values

| nominal diameter | | | | | | DN | 25 | 40 | 50 | 80 | 100 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | standard | | | | | 10 | 25 | 40 | 100 | 160 | 400 |
| | | reduced miniature Kvs-values see special design | | | | | 6,3/4 2,5/1,6/1 | 16 10 | 25 16 | 63 40 | 100 63 | 250 160 |
| DP32 | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,2 | closing press. (bar) | | 3,3 | | | | | |
| | | 0,4-1,2 | | 1,4 | | | 12,6 | 3,8 | 2,1 | | | |
| | spring opens | | | 1,4 | | | 12,6 | 3,8 | 2,1 | | | |
| | | | | 6 | | | 40 | 40 | 40 | 22,3 | 14,1 | |
| Fig. Nr. | 35.470....4 | PN40 | | 1.0619+N | | | 1.748,- | 2.167,- | 2.282,- | 3.504,- | 4.134,- | |
| DP33 | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,2 | closing press. (bar) | | 8,8[c)] | 2,3[a)] | 1,1[a)] | | | |
| | | 0,4-1,2 | | 1,4 | | | 23,7[c)] | 8,3[a)] | 4,9[a)] | 1,4 | | |
| | spring opens | | | 1,4 | | | 23,7[d)] | 8,3[d)] | 4,9[d)] | 1,4[d)] | | |
| | | | | 6 | | | 40[d)] | 40[d)] | 40[a)] | 36,4 | 23,2 | |
| Fig. Nr. | 35.470....4 | PN40 | | 1.0619+N | | | 1.956,- | 2.376,- | 2.490,- | 3.713,- | 4.343,- | |
| DP34 | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,2 | closing press. (bar) | | | 8,3[e)] | 5[e)] | 1,5 | | |
| | | 0,4-1,2 | | 1,4 | | | | 20,4[d)] | 12,7[d)] | 4,5 | 2,7 | 1 |
| | spring opens | | | 1,4 | | | | 20,4[e)] | 12,7[e)] | 4,5 | 2,7 | 1 |
| | | | | 6 | | | | 40[e)] | 40[e)] | 40 | 40 | 21,2 |
| Fig. Nr. | 35.470....4 | PN40 | | 1.0619+N | | | | 3.182,- | 3.296,- | 4.519,- | 5.149,- | 9.247,- |
| DP34T | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,5 | closing press. (bar) | | | | | | 1) | |
| | | 0,4-1,2 | | 1,7 | | | | | | | | 2,5 |
| | spring opens | | | 1,5 | | | | | | | | 3,4 |
| | | | | 6 | | | | | | | | 40 |
| Fig. Nr. | 35.470....4 | PN40 | | 1.0619+N | | | | | | | | 11.809,- |
| DP34Tri | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,5 | closing press. (bar) | | | | | | 1) | 1,6[a)] |
| | | 0,4-1,2 | | 1,7 | | | | | | | | 4,3[a)] |
| Fig. Nr. | 35.470....4 | PN40 | | 1.0619+N | | | | | | | | 15.629,- |
| DP35 | spring closes | 1,8-3,8 | air supply press. min. (bar) | 4,3 | closing press. (bar) | | | | | | 1) | 40 |
| | spring opens | | | 1,5 | | | | | | | | 8,7[b)] |
| | | | | 4 | | | | | | | | 40[b)] |
| Fig. Nr. | 35.470....4 | PN40 | | 1.0619+N | | | | | | | | on request |

## Additional performance for further closing pressures / additional performance

**Fig. 470/471 - ARI-DP**

Action: spring closes the seat on air failure

Closing pressures for standard Kvs-values

| nominal diameter | | | | | | | DN | 25 | 40 | 50 | 80 | 100 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | | standard | | | 10 | 25 | 40 | 100 | 160 | 400 |
| | | | | | reduced | | | 6,3/4<br>2,5/1,6/1 | 16<br>10 | 25<br>16 | 63<br>40 | 100<br>63 | 250<br>160 |
| DP32 | spring range (bar) | 0,8-2,4 | air supply pressure min. (bar) | 2,7 | closing press. | bar | | 31,4 | 11,3 | 6,9 | 2,2 | 1,2 | |
| | | | | | add. performance | | | 33,- | 33,- | 33,- | 33,- | 33,- | |
| | | 1,5-2,9 | | 3,2 | closing press. | bar | | 40 | | | | | |
| | | | | | add. performance | | | 45,- | | | | | |
| | | 2,0-3,8 | | 4,1 | closing press. | bar | | | | | | | |
| | | | | | add. performance | | | | | | | | |
| DP33 | | 0,8-2,4 | | 2,7 | closing press. | bar | | 40[a)] | 20,2 | 12,6 | 4,5 | 2,7 | |
| | | | | | add. performance | | | 57,- | 57,- | 57,- | 57,- | 57,- | |
| | | (1,7-2,7)<br>1,5-3,0 | | (3,1)<br>3,3 | closing press. | bar | | | 40 | 26,1 | 9,8 | 6,1 | |
| | | | | | add. performance | | | | 61,- | 61,- | 61,- | 61,- | |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | | | 35,7 | 13,6 | 8,5 | |
| | | | | | add. performance | | | | | 124,- | 124,- | 124,- | |
| DP34 | | 0,8-2,4 | | 2,7 | closing press. | bar | | | 40[b)] | 28,2[b)] | 10,6 | 6,6 | 2,7 |
| | | | | | add. performance | | | | 155,- | 155,- | 155,- | 155,- | 155,- |
| | | 1,5-3,0<br>(2,1-3,0) | | 3,3 | closing press. | bar | | | | (40[a)]) | (30,5) | (19,4) | 5,8 |
| | | | | | add. performance | | | | | 171,- | 171,- | 171,- | 171,- |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | | | | | | 8 |
| | | | | | add. performance | | | | | | | | 474,- |
| | | 2,4-3,6 | | 4,0 | closing press. | bar | | | | | 35,1 | 22,4 | |
| | | | | | add. performance | | | | | | 474,- | 474,- | |
| DP34 T | | 0,8-2,4 | | 2,9 | closing press.[1)] | bar | | | | | | | 6 |
| | | | | | add. performance | | | Additional performance for special design and accessories of actuators | | | | | 203,- |
| | | 1,5-3,0 | | 3,5 | closing press.[1)] | bar | | see pages 52 to 55 | | | | | 12,2 |
| | | | | | add. performance | | | Special flange drillings by agreement (refer to page 204) | | | | | 344,- |
| | | 2,0-4,0 | | 4,5 | closing press.[1)] | bar | | [1)] DN150 with PTFE or graphite packing. | | | | | 16,6 |
| | | | | | add. performance | | | [2)] Available from Kvs 1,0 upwards. | | | | | 951,- |
| DP34Tri | | 0,8-2,4 | | 2,9 | closing press.[1)] | bar | | | | | | | 9,5 |
| | | | | | add. performance | | | | | | | | 264,- |
| | | 1,5-3,0 | | 3,5 | closing press.[1)] | bar | | | | | | | 18,8 |
| | | | | | add. performance | | | | | | | | 371,- |
| | | 2,0-4,0 | | 4,5 | closing press.[1)] | bar | | | | | | | 25,4 |
| | | | | | add. performance | | | | | | | | 1.235,- |

| | | | | | | |
|---|---|---|---|---|---|---|
| special design | Stem-/bellows unit Fig. 35.471 | 713,- | 744,- | 744,- | 833,- | 887,- | 1.061,- |
| | Trim X 6 CrNiMoTi 17 12 2 (1.4571) | 148,- | 215,- | 237,- | 472,- | 857,- | 1.436,- |
| | Parabol. plug with PTFE-soft seal max. 200 °C [2)] | 293,- | 302,- | 319,- | 489,- | 637,- | 919,- |
| | Miniature-Kvs-values 0,1-0,16-0,25-0,4-0,63 (only equal percentage) | 129,- | | | | | |
| | Pressure balanced plug max. 200 °C | | 824,- | 1.051,- | 2.035,- | 2.578,- | 4.380,- |
| | Hard facing seat and plug [2)] | 527,- | 634,- | 730,- | 1.000,- | 1.266,- | 2.308,- |
| | Perforated plug (reduced Kvs-values) [2)] | 171,- | 229,- | 229,- | 373,- | 474,- | 899,- |
| | V-port-plug | | | | 250,- | 318,- | 599,- |
| | Shoed ends | on request | | | | | |
| | Increased tightness on seat, leakage class IV-S1 | price and closing pressure on request | | | | | |

Air supply pressure: max 6 bar (ARI-DP34Tri: 5 bar) a) 5 bar b) 4,5 bar c) 4 bar d) 3,5 bar e) 3 bar

# ARI-STEVI® Pro

## Electric actuated control valve in straight through form

Body: EN-JS1049 / 1.0619+N / 1.4581
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuators: ARI-PREMIO®
Closing pressures for standard Kvs-values

DVGW-GAS type approval on request.[2)]

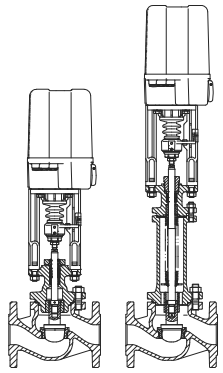


Fig. ...470....1 Fig. ...471....1
ARI-PREMIO®

| nominal diameter | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | standard | | | 4 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 250 | 400 |
| | | reduced miniature Kvs-values see special design | | | 2,5/1,6/1 | 4/2,5/1,6/1 | 6,3/4/2,5/1,6/1 | 10 6,3 | 16 10 | 25 16 | 40 25 | 63 40 | 100 63 | 160 100 | 250 160 |
| PREMIO® 2,2 kN (230V) | | closing pressure | | bar | 40 | 40 | 35,9 | 21,6 | 13,2 | 8,1 | 4,5 | 2,7 | 1,5 | | |
| | | operating time | | s | 53 | 53 | 53 | 53 | 79 | 79 | 79 | 79 | 79 | | |
| Fig. No. | 23.470....1 | PN16/25 | EN-JS1049 | | 1.954,- | 1.983,- | 2.001,- | 2.158,- | 2.189,- | 2.241,- | 2.927,- | 3.182,- | 3.989,- | | |
| | 35.470....1 | PN25/40 | 1.0619+N | | 2.196,- | 2.216,- | 2.249,- | 2.446,- | 2.515,- | 2.631,- | 3.480,- | 3.852,- | 4.482,- | | |
| | 55.470....1 | PN40 | 1.4581 | | 2.638,- | 2.687,- | 2.746,- | 3.078,- | 3.467,- | 3.786,- | 5.074,- | 5.857,- | 7.775,- | | |
| PREMIO® 5 kN (90-264V) | | closing pressure | | bar | | | 40 | 40 | 34,6 | 21,9 | 12,7 | 8,2 | 5 | 3,1 | 2 |
| | | operating time | | s | | | 53 | 53 | 79 | 79 | 79 | 79 | 79 | 132 | 132 |
| Fig. No. | 23.470....1 | PN16/25 | EN-JS1049 | | | | 2.259,- | 2.417,- | 2.451,- | 2.502,- | 3.186,- | 3.444,- | 4.250,- | 6.170,- | 7.379,- |
| | 35.470....1 | PN25/40 | 1.0619+N | | | | 2.506,- | 2.705,- | 2.778,- | 2.891,- | 3.741,- | 4.115,- | 4.740,- | 7.518,- | 9.123,- |
| | 55.470....1 | PN40 | 1.4581 | | | | 3.009,- | 3.341,- | 3.730,- | 4.048,- | 5.337,- | 6.120,- | 8.038,- | 9.645,- | 12.275,- |
| PREMIO® 12 kN (90-264V) | | closing pressure | | bar | | | | | 40 | 40 | 33,3 | 21,8 | 13,8 | 8,7 | 5,9 |
| | | operating time | | s | | | | | 79 | 79 | 79 | 79 | 79 | 132 | 132 |
| Fig. No. | 23.470....1 | PN16/25 | EN-JS1049 | | | | | | 2.917,- | 2.968,- | 3.654,- | 3.911,- | 4.719,- | 6.634,- | 7.847,- |
| | 35.470....1 | PN25/40 | 1.0619+N | | | | | | 3.242,- | 3.359,- | 4.206,- | 4.582,- | 5.208,- | 7.985,- | 9.590,- |
| | 55.470....1 | PN40 | 1.4581 | | | | | | 4.194,- | 4.513,- | 5.801,- | 6.585,- | 8.503,- | 10.109,- | 12.740,- |
| PREMIO® 15 kN (90-264V) | | closing pressure | | bar | | | | | | | 40 | 27,7 | 17,6 | 11,1 | 7,6 |
| | | operating time | | s | | | | | | | 79 | 79 | 79 | 132 | 132 |
| Fig. No. | 23.470....1 | PN16/25 | EN-JS1049 | | | | | | | | 3.842,- | 4.101,- | 4.909,- | 6.824,- | 8.036,- |
| | 35.470....1 | PN25/40 | 1.0619+N | | | | | | | | 4.396,- | 4.767,- | 5.399,- | 8.173,- | 9.778,- |
| | 55.470....1 | PN40 | 1.4581 | | | | | | | | 5.990,- | 6.471,- | 8.691,- | 10.298,- | 12.928,- |
| PREMIO® 25 kN (90-264V) | | closing pressure | | bar | | | | | | | | 40 | 30,1 | 19,2 | 19,2 |
| | | operating time | | s | | | | | | | | 79 | 79 | 132 | 132 |
| Fig. No. | 23.470....1 | PN16/25 | EN-JS1049 | | | | | | | | | 4.864,- | 5.671,- | 7.586,- | 8.798,- |
| | 35.470....1 | PN25/40 | 1.0619+N | | | | | | | | | 5.529,- | 6.161,- | 8.963,- | 10.541,- |
| | 55.470....1 | PN40 | 1.4581 | | | | | | | | | 7.233,- | 9.453,- | 11.060,- | 13.690,- |
| special design | | | | | additional performance | | | | | | | | | | |
| nominal diameter | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| Stem-/bellows unit Fig. 23./ 35.471 | | | | | 637,- | 637,- | 713,- | 713,- | 744,- | 744,- | 767,- | 833,- | 887,- | 975,- | 1.061,- |
| Trim X 6 CrNiMoTi 17 12 2 (1.4571) | | | | | 110,- | 136,- | 148,- | 170,- | 215,- | 237,- | 377,- | 472,- | 857,- | 1.156,- | 1.436,- |
| Parabolic plug with PTFE-soft seal max. 200 °C [1)] | | | | | 293,- | 293,- | 293,- | 293,- | 302,- | 319,- | 431,- | 489,- | 637,- | 791,- | 919,- |
| Miniature-Kvs-values 0,1-0,16-0,25-0,4-0,63 (only equal percentage) | | | | | 129,- | 129,- | 129,- | | | | | | | | |
| Pressure balanced plug max. 200 °C | | | | | | | | | 824,- | 1.051,- | 1.440,- | 2.035,- | 2.578,- | 3.243,- | 4.380,- |
| Hard facing seat and plug [1)] | | | | | 527,- | 527,- | 527,- | 578,- | 634,- | 730,- | 863,- | 1.000,- | 1.266,- | 1.749,- | 2.308,- |
| Perforated plug (reduced Kvs-value) [1)] | | | | | 171,- | 171,- | 171,- | 171,- | 229,- | 229,- | 304,- | 373,- | 474,- | 662,- | 899,- |
| V-port-plug | | | | | | | | | | | 204,- | 250,- | 318,- | 442,- | 599,- |
| Increased tightness on seat, leakage class IV-S1 | | | | | price and closing pressure on request | | | | | | | | | | |
| Type approval (DVGW-GAS) acc.to DIN EN 13611 (EN-JS1049 and 1.0619+N) [2)] | | | | | 155,- | 159,- | 165,- | 193,- | 214,- | 244,- | 406,- | 479,- | 650,- | 861,- | 1.058,- |

Supply voltage, add. performance for special design and accessories of actuators - see page 57
Special flange drillings by agreement (refer to page 204)

**Larger nominal diameters on page 23**

[1)] Available from Kvs 1,0 upwards.

[2)] Design acc. to data sheet ARI-STEVI® 470-G / 471-G

# ARI-STEVI® Pro

## Electric actuated control valve in straight through form

Body: 1.0619+N
Type of connection: Butt weld ends DIN EN 12627
Face-to-face dimension: ETE 73 acc. to DIN EN 12982
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuators: ARI-PREMIO®
Closing pressures for standard Kvs-values

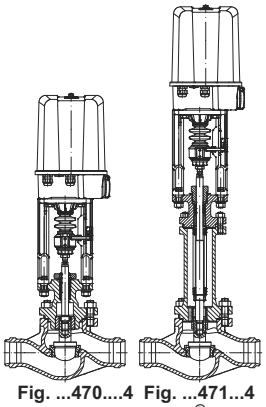


**Fig. ...470....4 Fig. ...471...4**
**ARI-PREMIO®**

| **nominal diameter** | | | | **DN** | **25** | **40** | **50** | **80** | **100** | **150** |
|---|---|---|---|---|---|---|---|---|---|---|
| **Kvs - values** | **standard** | | | | **10** | **25** | **40** | **100** | **160** | **400** |
| | **reduced** miniature Kvs-values see special design | | | | **6,3/4/2,5/1,6/1** | **16 10** | **25 16** | **63 40** | **100 63** | **250 160** |
| **PREMIO® 2,2 kN (230V)** | closing pressure | | | bar | 35,9 | 13,2 | 8,1 | 2,7 | 1,5 | |
| | operating time | | | s | 53 | 79 | 79 | 79 | 79 | |
| Fig. No. 35.470....4 | PN40 | | 1.0619+N | | 2.094,- | 2.514,- | 2.628,- | 3.504,- | 4.134,- | |
| **PREMIO® 5 kN (90-264V)** | closing pressure | | | bar | 40 | 34,6 | 21,9 | 8,2 | 5 | 2 |
| | operating time | | | s | 53 | 79 | 79 | 79 | 79 | 132 |
| Fig. No. 35.470....4 | PN40 | | 1.0619+N | | 2.357,- | 2.777,- | 2.891,- | 4.114,- | 4.743,- | 8.842,- |
| **PREMIO® 12 kN (90-264V)** | closing pressure | | | bar | | 40 | 40 | 21,8 | 13,8 | 5,9 |
| | operating time | | | s | | 79 | 79 | 79 | 79 | 132 |
| Fig. No. 35.470....4 | PN40 | | 1.0619+N | | | 3.241,- | 3.356,- | 4.578,- | 5.208,- | 9.307,- |
| **PREMIO® 15 kN (90-264V)** | closing pressure | | | bar | | | | 27,7 | 17,6 | 7,6 |
| | operating time | | | s | | | | 79 | 79 | 132 |
| Fig. No. 35.470....4 | PN40 | | 1.0619+N | | | | | 4.767,- | 5.397,- | 9.495,- |
| **PREMIO® 25 kN (90-264V)** | closing pressure | | | bar | | | | 40 | 30,1 | 13,2 |
| | operating time | | | s | | | | 79 | 79 | 132 |
| Fig. No. 35.470....4 | PN40 | | 1.0619+N | | | | | 5.529,- | 6.159,- | 10.257,- |
| **special design** | | | | | **additional performance** | | | | | |
| **nominal diameter** | | | | **DN** | **25** | **40** | **50** | **80** | **100** | **150** |
| Stem-/bellows unit Fig. 35.471 | | | | | 713,- | 744,- | 744,- | 833,- | 887,- | 1.061,- |
| Trim X6CrNiMoTi17 12 2 (1.4571) | | | | | 148,- | 215,- | 237,- | 472,- | 857,- | 1.436,- |
| Parabolic plug with PTFE-soft seal max. 200 °C [1] | | | | | 293,- | 302,- | 319,- | 489,- | 637,- | 919,- |
| Miniature-Kvs-values 0,1-0,16-0,25-0,4-0,63 (only equal percentage) | | | | | 129,- | | | | | |
| Pressure balanced plug max. 200 °C | | | | | | 824,- | 1.051,- | 2.035,- | 2.578,- | 4.380,- |
| Hard facing seat and plug [1] | | | | | 527,- | 634,- | 730,- | 1.000,- | 1.266,- | 2.308,- |
| Perforated plug (reduced Kvs-value) [1] | | | | | 171,- | 229,- | 229,- | 373,- | 474,- | 899,- |
| V-port-plug | | | | | | | | 250,- | 318,- | 599,- |
| Shoes ends | | | | | on request | | | | | |
| Increased tightness on seat, leakage class IV-S1 | | | | | price and closing pressure on request | | | | | |

Supply voltage, add. performance for special design and accessories of actuators - see page 57
Special flange drillings by agreement (refer to page 204)

[1] Available from Kvs 1,0 upwards.

# ARI-STEVI® Pro

## Electric actuated control valve with fail-safe function

Body: EN-JS1049 / 1.0619+N / 1.4581

Trim: X 20 Cr 13+QT (1.4021+QT)

Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220 °C
further designs up to +450°C acc. to data sheet

Flow characteristic: equal percentage or linear

Rangeability: 50 : 1

Actuators: ARI-PREMIO®**-Plus 2G** with fail-safe function
Actuator stem drives out on power failure

Closing pressures for standard Kvs-values

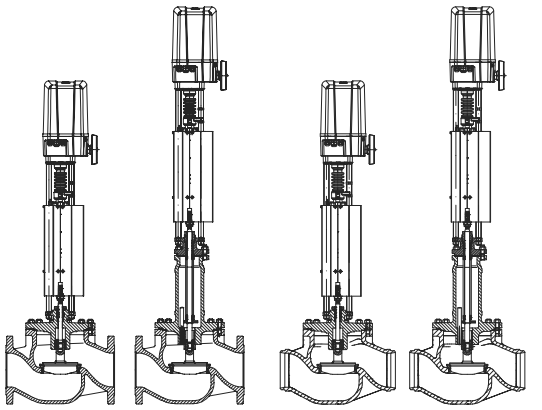


**Fig. ...470....1** **Fig. ...471....1** **Fig. ...470....4**[1)] **Fig. ...471....4**[1)]
**ARI-PREMIO®-Plus 2G**

| **nominal diameter** | | | | **DN** | **40** | **50** | **65** | **80** | **100** | **125** | **150** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Kvs - values** | | **standard** | | | **25** | **40** | **63** | **100** | **160** | **250** | **400** |
| | | **reduced** | | | **16<br>10** | **25<br>16** | **40<br>25** | **63<br>40** | **100<br>63** | **160<br>100** | **250<br>160** |
| **PREMIO®-Plus 2G 9 kN (90-264V)** | | closing pressure | | bar | 40 | 40 | 24,5 | 16 | 10,1 | 6,3 | 4,3 |
| | | operating time | | s | 79 | 79 | 79 | 79 | 79 | 132 | 132 |
| | | operating time on power failure | | s | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Fig. No. | 23.470....1 | PN16/25 | EN-JS1049 | | 7.344,- | 7.398,- | 7.629,- | 7.884,- | 8.692,- | 10.611,- | 11.818,- |
| | 35.470....1 | PN25/40 | 1.0619+N | | 7.670,- | 7.786,- | 8.182,- | 8.555,- | 9.184,- | 11.958,- | 13.563,- |
| | 35.470....4 | PN40 | 1.0619+N | | 7.517,- | 7.786,- | | 8.555,- | 9.184,- | | 13.278,- |
| | 55.470....1 | PN40 | 1.4581 | | 8.595,- | 9.378,- | 10.666,- | 11.449,- | 13.367,- | 14.974,- | 17.604,- |

| **special design** | **additional performance** | | | | | | |
|---|---|---|---|---|---|---|---|
| **nominal diameter** **DN** | **40** | **50** | **65** | **80** | **100** | **125** | **150** |
| Stem-/bellows unit Fig. 23./ 35.471 | 744,- | 744,- | 767,- | 833,- | 887,- | 975,- | 1.061,- |
| Trim X 6 CrNiMoTi 17 12 2 (1.4571) | 215,- | 237,- | 377,- | 472,- | 857,- | 1.156,- | 1.436,- |
| Parabolic plug with PTFE-soft seal max. 200 °C | 302,- | 319,- | 431,- | 489,- | 637,- | 791,- | 919,- |
| Pressure balanced plug max. 200 °C | 824,- | 1.051,- | 1.440,- | 2.035,- | 2.578,- | 3.243,- | 4.380,- |
| Hard facing seat and plug | 634,- | 730,- | 863,- | 1.000,- | 1.266,- | 1.749,- | 2.308,- |
| Perforated plug (reduced Kvs-value) | 229,- | 229,- | 304,- | 373,- | 474,- | 662,- | 899,- |
| V-port-plug | | | 204,- | 250,- | 318,- | 442,- | 599,- |
| Shoed ends (for Fig. 470/471....4) | on request | | | | | | |

Supply voltage, add. performance for special design and accessories of actuators - see page 58

Larger nominal diameters on page 23

[1)] Butt weld ends acc. to DIN EN 12627 (Face-to-face dimension ETE 73 acc. to DIN EN 12982)

Special flange drillings by agreement (refer to page 204)

# ARI-STEVI® Pro

## Electric actuated control valve in straight through form

Body: EN-JS1049 / 1.0619+N / 1.4581
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuators: AUMA
Supply voltage: 400V 50Hz 3~ Protection class: IP 68
Closing pressures for standard Kvs-values

**Alternative: SCHIEBEL-actuators refer to page 61**

**DVGW-GAS type approval on request.[3)]**

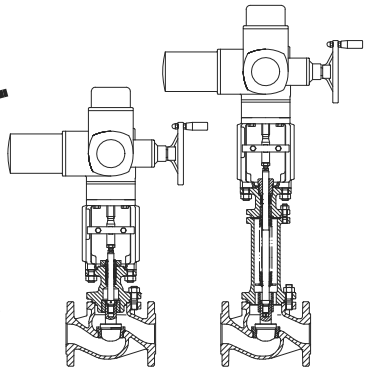


**Fig. ...470 ....1** **Fig. ...471....1**
**AUMA**

| **nominal diameter** | | | | **DN** | | | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Kvs - values** | | **standard** | | | | | **10** | **16** | **25** | **40** | **63** | **100** | **160** | **250** | **400** |
| | | **reduced** | | | | | **--** | **10** | **16 10** | **25 16** | **40 25** | **63 40** | **100 63** | **160 100** | **250 160** |
| **AUMA SAR 07.2** | | closing pressure | shut off | bar | | | 40 | 40 | 40 | 40 | 40 | 30,4 | 19,4 | | |
| | | | control | bar | | | 40 | 40 | 40 | 37,1 | 21,7 | 14,2 | 8,9 | | |
| | | operating time | | s | | | 54 | 54 | 56 | 56 | 56 | 56 | 56 | | |
| Fig. No. | 23.470....1 | PN16/25 | EN-JS1049 | | | | 4.801,- | 4.956,- | 4.981,- | 5.031,- | 5.716,- | 5.971,- | 6.781,- | | |
| | 35.470....1 | PN25/40 | 1.0619+N | | | | 5.048,- | 5.244,- | 5.304,- | 5.418,- | 6.267,- | 6.641,- | 7.270,- | | |
| | 55.470....1 | PN40 | 1.4581 | | | | 5.544,- | 5.877,- | 6.265,- | 6.584,- | 7.872,- | 8.655,- | 10.573,- | | |
| **AUMA SAR 07.6** | | closing pressure | shut off | bar | | | | | | 40 | 40 | 40 | 27,4 | 17,3 | 11,9 |
| | | | control | bar | | | | | | 40 | 31,2 | 20,4 | 12,9 | 8 | 5,5 |
| | | operating time | | s | | | | | | 64 | 64 | 64 | 64 | 55 | 55 |
| Fig. No. | 23.470....1 | PN16/25 | EN-JS1049 | | | | | | | 5.159,- | 5.843,- | 6.098,- | 6.907,- | 8.821,- | 10.036,- |
| | 35.470....1 | PN25/40 | 1.0619+N | | | | | | | 5.544,- | 6.394,- | 6.767,- | 7.397,- | 10.172,- | 11.781,- |
| | 55.470....1 | PN40 | 1.4581 | | | | | | | 6.712,- | 8.000,- | 8.784,- | 10.702,- | 12.309,- | 14.939,- |
| **AUMA SAR 10.2** | | closing pressure | shut off | bar | | | | | | | | 40 | 40 | 29,7 | 20,5 |
| | | | control | bar | | | | | | | | 40 | 27,4 | 17,3 | 11,9 |
| | | operating time | | s | | | | | | | | 64 | 64 | 55 | 55 |
| Fig. No. | 23.470....1 | PN16/25 | EN-JS1049 | | | | | | | | | 7.179,- | 7.986,- | 9.901,- | 11.115,- |
| | 35.470....1 | PN25/40 | 1.0619+N | | | | | | | | | 7.848,- | 8.476,- | 11.250,- | 12.862,- |
| | 55.470....1 | PN40 | 1.4581 | | | | | | | | | 9.869,- | 11.787,- | 13.394,- | 16.024,- |
| **AUMA SAR 14.2** | | closing pressure [1)] | shut off | bar | | | | | | | | | | 40 | 40 |
| | | | control | bar | | | | | | | | | | 28,9 | 20 |
| | | operating time | | s | | | | | | | | | | 45 | 45 |
| Fig. No. | 23.470....1 | PN16/25 | EN-JS1049 | | | | | | | | | | | 13.528,- | 12.318,- |
| | 35.470....1 | PN25/40 | 1.0619+N | | | | | | | | | | | 15.274,- | 13.667,- |
| | 55.470....1 | PN40 | 1.4581 | | | | | | | | | | | 15.809,- | 18.439,- |
| **AUMA SAR 14.6 with LE100.1** | | closing pressure [1)] | shut off | bar | | | | | | | | | | 40 | 40 |
| | | | control | bar | | | | | | | | | | 40 | 27,7 |
| | | operating time | | s | | | | | | | | | | 54 | 54 |
| Fig. No. | 23.470....1 | PN16/25 | EN-JS1049 | | | | | | | | | | | 15.042,- | 16.258,- |
| | 35.470....1 | PN25/40 | 1.0619+N | | | | | | | | | | | 16.392,- | 18.001,- |
| | 55.470....1 | PN40 | 1.4581 | | | | | | | | | | | 18.516,- | 21.146,- |

Add. performance for special design and accessories of actuators - see page 60
**Larger nominal diameters on page 23**
Special flange drillings by agreement (refer to page 204)
[1)] DN125 and 150 with PTFE or graphite packing
[2)] Available from Kvs 1,0 upwards
[3)] Design acc. to data sheet ARI-STEVI® 470-G / 471-G

| **special design** | **additional performance** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **nominal diameter** | **DN** | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** |
| Stem-/bellows unit Fig. 23./ 35.471 | | 713,- | 713,- | 744,- | 744,- | 767,- | 833,- | 887,- | 975,- | 1.061,- |
| Trim X 6 CrNiMoTi 17 12 2 (1.4571) | | 148,- | 170,- | 215,- | 237,- | 377,- | 472,- | 857,- | 1.156,- | 1.436,- |
| Parabolic plug with PTFE-soft seal max. 200 °C [2)] | | 293,- | 293,- | 302,- | 319,- | 431,- | 489,- | 637,- | 791,- | 919,- |
| Pressure balanced plug max. 200 °C | | | | 824,- | 1.051,- | 1.440,- | 2.035,- | 2.578,- | 3.243,- | 4.380,- |
| Hard facing seat and plug [2)] | | 527,- | 578,- | 634,- | 730,- | 863,- | 1.000,- | 1.266,- | 1.749,- | 2.308,- |
| Perforated plug (reduced Kvs-values) [2)] | | 171,- | 171,- | 229,- | 229,- | 304,- | 373,- | 474,- | 662,- | 899,- |
| V-port plug | | | | | | 204,- | 250,- | 318,- | 442,- | 599,- |
| Increased tightness on seat, leakage class IV-S1 | price and closing pressure on request | | | | | | | | | |
| Type approval (DVGW-GAS) acc.to DIN EN 13611 (EN-JS1049 and 1.0619+N)[3)] | | 165,- | 193,- | 214,- | 244,- | 406,- | 479,- | 650,- | 861,- | 1.058,- |

# ARI-STEVI® Pro

## Electric actuated control valve in straight through form

Body: 1.0619+N
Type of connection: Butt weld ends DIN EN 12627
Face-to-face dimension: ETE 73 acc. to DIN EN 12982
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuators: AUMA
Supply voltage: 400V 50Hz 3~ Protection class: IP 68
Closing pressures for standard Kvs-values

**Alternative: SCHIEBEL-actuators refer to page 61**

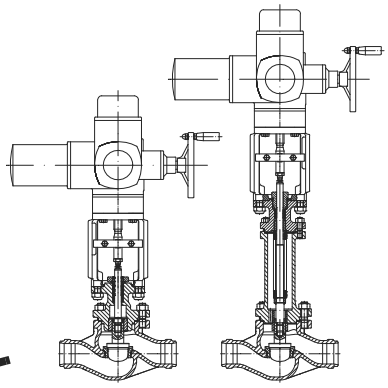


**Fig. ...470 ....4** **Fig. ...471....4**
**AUMA**

| **nominal diameter** | | | | **DN** | **25** | **40** | **50** | **80** | **100** | **150** |
|---|---|---|---|---|---|---|---|---|---|---|
| **Kvs - values** | | **standard** | | | **10** | **25** | **40** | **100** | **160** | **400** |
| | | **reduced** | | | **--** | **16<br>10** | **25<br>16** | **63<br>40** | **100<br>63** | **250<br>160** |
| **AUMA SAR 07.2** | | closing pressure | shut off | bar | 40 | 40 | 40 | 30,4 | 19,4 | |
| | | | control | bar | 40 | 40 | 37,1 | 14,2 | 8,9 | |
| | | operating time | | s | 54 | 56 | 56 | 56 | 56 | |
| Fig. No. | 35.470....4 | PN40 | 1.0619+N | | 4.895,- | 5.304,- | 5.418,- | 6.641,- | 7.270,- | |
| **AUMA SAR 07.6** | | closing pressure | shut off | bar | | | 40 | 40 | 27,4 | 11,9 |
| | | | control | bar | | | 40 | 20,4 | 12,9 | 5,5 |
| | | operating time | | s | | | 64 | 64 | 64 | 55 |
| Fig. No. | 35.470....4 | PN40 | 1.0619+N | | | | 5.544,- | 6.767,- | 7.397,- | 11.495,- |
| **AUMA SAR 10.2** | | closing pressure | shut off | bar | | | | 40 | 40 | 20,5 |
| | | | control | bar | | | | 40 | 27,4 | 11,9 |
| | | operating time | | s | | | | 64 | 64 | 55 |
| Fig. No. | 35.470....4 | PN40 | 1.0619+N | | | | | 7.848,- | 8.476,- | 12.617,- |
| **AUMA SAR 14.2** | | closing pressure | shut off | bar | | | | | | 40 |
| | | | control | bar | | | | | | 20 |
| | | operating time | | s | | | | | | 45 |
| Fig. No. | 35.470....4 | PN40 | 1.0619+N | | | | | | | 14.988,- |
| **AUMA SAR 14.6 mit LE100.1** | | closing pressure [1] | shut off | bar | | | | | | 40 |
| | | | control | bar | | | | | | 27,7 |
| | | operating time | | s | | | | | | 54 |
| Fig. No. | 35.470....4 | PN40 | 1.0619+N | | | | | | | 17.715,- |

Add. performance for special design and accessories of actuators - see page 60
Special flange drillings by agreement (refer to page 204)
[1] DN150 with PTFE or graphite packing
[2] Available from Kvs 1,0 upwards

| **special design** | **additional performance** | | | | | |
|---|---|---|---|---|---|---|
| **nominal diameter** **DN** | **25** | **40** | **50** | **80** | **100** | **150** |
| Stem-/bellows unit Fig. 35.471 | 713,- | 744,- | 744,- | 833,- | 887,- | 1.061,- |
| Trim X6CrNiMoTi17 12 2 (1.4571) | 148,- | 215,- | 237,- | 472,- | 857,- | 1.436,- |
| Parabolic plug with PTFE-soft seal max. 200 °C [2] | 293,- | 302,- | 319,- | 489,- | 637,- | 919,- |
| Pressure balanced plug max. 200 °C | | 824,- | 1.051,- | 2.035,- | 2.578,- | 4.380,- |
| Hard facing seat and plug [2] | 527,- | 634,- | 730,- | 1.000,- | 1.266,- | 2.308,- |
| Perforated plug (reduced Kvs-values) [2] | 171,- | 229,- | 229,- | 373,- | 474,- | 899,- |
| V-port plug | | | | 250,- | 318,- | 599,- |
| Shoed ends | on request | | | | | |
| Increased tightness on seat, leakage class IV-S1 | price and closing pressure on request | | | | | |

**Notes:**

# ARI-STEVI® Pro

## Pneumatic actuated control valve in straight through form ANSI

Body: ASTM SA216 WCB
Trim: AISI 420
Stem sealing: DN25-150: spring loaded PTFE-V-ring unit -10 ...+220°C
DN200: PTFE-packing -10 ...+250°C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuators: ARI-DP single acting pneumatic actuators
Action: spring closes / opens the seat on air failure

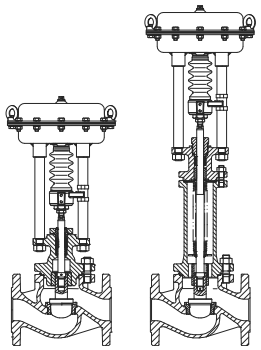


Fig. ...470....1 ANSI ARI-DP Fig. ...471....1 ANSI

Closing pressures for standard Kvs-values

| nominal diameter | | | | | | DN | 25 | 40 | 50 | 80 | 100 | 150 | 200 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | NPS | 1" | 1 1/2" | 2" | 3" | 4" | 6" | 8" |
| Kvs - values | | | standard | | | | 10 | 25 | 40 | 100 | 160 | 400 | 630 |
| | | | reduced miniature Kvs-values see special design | | | | 6,3<br>4 | 16<br>10 | 25<br>16 | 63<br>40 | 100<br>63 | 250<br>160 | 400<br>250 |
| DP32 | | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,2 | closing press. (bar) | 3,3 | | | | | | |
| | | | 0,4-1,2 | | 1,4 | | 12,6 | 3,8 | 2,1 | | | | |
| | | spring opens | | | 1,4 | | 12,6 | 3,8 | 2,1 | | | | |
| | | | | | 6 | | 51 | 51 | 51 | 22,3 | 14,1 | | |
| Fig. No. | 32.470....1 | | ANSI150 | | SA216WCB | | 1.742,- | 1.987,- | 2.094,- | 3.222,- | 3.805,- | | |
| | 35.470....1 | | ANSI300 | | | | 2.021,- | 2.315,- | 2.442,- | 3.789,- | 4.480,- | | |
| DP33 | | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,2 | closing press. (bar) | 8,8[c] | 2,3[a] | 1,1[a] | | | | |
| | | | 0,4-1,2 | | 1,4 | | 23,7[c] | 8,3[a] | 4,9[a] | 1,4 | | | |
| | | spring opens | | | 1,4 | | 23,7[d] | 8,3[d] | 4,9[d] | 1,4[d] | | | |
| | | | | | 6 | | 51[c] | 51[a] | 51[a] | 36,4 | 23,2 | | |
| Fig. No. | 32.470....1 | | ANSI150 | | SA216WCB | | 1.945,- | 2.191,- | 2.298,- | 3.425,- | 4.009,- | | |
| | 35.470....1 | | ANSI300 | | | | 2.232,- | 2.528,- | 2.649,- | 3.997,- | 4.689,- | | |
| DP34 | | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,2 | closing press. (bar) | | 8,3[e] | 5[e] | 1,5 | | | |
| | | | 0,4-1,2 | | 1,4 | | | 20,4[d] | 12,7[d] | 4,5 | 2,7 | 1 | |
| | | spring opens | | | 1,4 | | | 20,4[e] | 12,7[e] | 4,5 | 2,7 | 1 | |
| | | | | | 6 | | | 51[e] | 51[e] | 51 | 48 | 21,2 | 11,7 |
| Fig. No. | 32.470....1 | | ANSI150 | | SA216WCB | | | 2.974,- | 3.081,- | 4.208,- | 4.793,- | 8.827,- | 13.548,- |
| | 35.470....1 | | ANSI300 | | | | | 3.333,- | 3.455,- | 4.805,- | 5.496,- | 10.312,- | 14.662,- |
| DP34T | | spring closes | 0,4-1,2 | air supply press. min. (bar) | 1,7 | closing press. (bar) | | | | | | 2,5 | 1,3 |
| | | spring opens | | | 1,5 | | | | | | 1) | 3,4 | 1,8 |
| | | | | | 6 | | | | | | | 42,9 | 24,1 |
| Fig. No. | 32.470....1 | | ANSI150 | | SA216WCB | | | | | | | 11.318,- | 16.039,- |
| | 35.470....1 | | ANSI300 | | | | | | | | | 14.696,- | 19.002,- |
| DP34Tri | | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,5 | closing press. (bar) | | | | | | 1,6[a] | |
| | | | 0,4-1,2 | | 1,7 | | | | | | 1) | 4,3[a] | 2,3[a] |
| Fig. No. | 32.470....1 | | ANSI150 | | SA216WCB | | | | | | | 15.035,- | 19.755,- |
| | 35.470....1 | | ANSI300 | | | | | | | | | 18.590,- | 22.895,- |
| DP35 | | spring closes | 1,8-3,8 | air supply press. min. (bar) | 4,3 | closing press. (bar) | | | | | | 45,5 | 23,4 |
| | | spring opens | | | 1,5 | | | | | | 1) | 8,7[b] | 4,1[b] |
| | | | | | 4,5 | | | | | | | 51[b] | 30,6[b] |
| Fig.No. | 32.470....1 | | ANSI150 | | SA216WCB | | | | | | | on request | |
| | 35.470....1 | | ANSI300 | | | | | | | | | | |

## Additional performance for further closing pressures / additional performance

**Fig. 470/471 ANSI - ARI-DP**

Action: spring closes the seat on air failure

Closing pressures for standard Kvs-values

| nominal diameter | | | | | | | DN | 25 | 40 | 50 | 80 | 100 | 150 | 200 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | NPS | 1" | 1 1/2" | 2" | 3" | 4" | 6" | 8" |
| Kvs - values | | | | standard | | | | 10 | 25 | 40 | 100 | 160 | 400 | 630 |
| | | | | reduced | | | | 6,3<br>4 | 16<br>10 | 25<br>16 | 63<br>40 | 100<br>63 | 250<br>160 | 400<br>250 |
| DP32 | spring range (bar) | 0,8-2,4 | air supply pressure min. (bar) | 2,7 | closing press. | bar | | 31,4 | 11,3 | 6,9 | 2,2 | 1,2 | | |
| | | | | | add. performance | | | 33,- | 33,- | 33,- | 33,- | 33,- | | |
| | | 1,5-2,9 | | 3,2 | closing press. | bar | | 51 | | | | | | |
| | | | | | add. performance | | | 45,- | | | | | | |
| DP33 | | 0,8-2,4 | | 2,7 | closing press. | bar | | 51[a)] | 20,2 | 12,6 | 4,5 | 2,7 | | |
| | | | | | add. performance | | | 57,- | 57,- | 57,- | 57,- | 57,- | | |
| | | (1,7-2,7)<br>1,4-2,9 | | (3,1)<br>3,3 | closing press. | bar | | | 41,1 | 26,1 | 9,8 | 6,1 | | |
| | | | | | add. performance | | | | 61,- | 61,- | 61,- | 61,- | | |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | | 51 | 35,7 | 13,6 | 8,5 | | |
| | | | | | add. performance | | | | 124,- | 124,- | 124,- | 124,- | | |
| DP34 | | 0,8-2,4<br>(1,0-2,0) | | 2,7<br>(2,3) | closing press. | bar | | | 44,4[b)] | 28,2[b)] | 10,6 | 6,6 | 2,7 | (1,8) |
| | | | | | add. performance | | | | 155,- | 155,- | 155,- | 155,- | 155,- | 155,- |
| | | 1,5-3,0<br>(2,1-3,0) | | 3,3 | closing press. | bar | | | (51[a)]) | (51[a)]) | (30,5) | (19,4) | 5,8 | |
| | | | | | add. performance | | | | | 171,- | 171,- | 171,- | 171,- | 171,- |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | | | | | | 8 | 4,3 |
| | | | | | add. performance | | | | | | | | 474,- | 820,- |
| | | 2,4-3,6 | | 4,0 | closing press. | bar | | | | | 35,1 | 22,4 | | |
| | | | | | add. performance | | | | | | 474,- | 474,- | | |
| DP34 T | | 0,8-2,4<br>(1,0-2,0) | | 2,9<br>(2,5) | closing press.[1)] | bar | | | | | | | 6 | (4,3) |
| | | | | | add. performance | | | Additional performance for special design and accessories of actuators - see pages 52 to 55. | | | | | 203,- | 203,- |
| | | 1,5-3,0 | | 3,5 | closing press.[1)] | bar | | Special flange drillings by agreement (refer to page 204) | | | | | 12,2 | |
| | | | | | add. performance | | | [1)] DN150 with PTFE or graphite packing | | | | | 371,- | |
| | | 2,0-4,0 | | 4,5 | closing press.[1)] | bar | | [2)] Available from Kvs 1,0 upwards. | | | | | 16,6 | 9,2 |
| | | | | | add. performance | | | | | | | | 951,- | 951,- |
| DP34 Tri | | 0,8-2,4 | | 2,9 | closing press.[1)] | bar | | | | | | | 9,5[a)] | 5,3[a)] |
| | | | | | add. performance | | | | | | | | 264,- | 264,- |
| | | 1,0-2,0 | | 2,5 | closing press.[1)] | bar | | | | | | | | 6,7[a)] |
| | | | | | add. performance | | | | | | | | | 405,- |
| | | 1,5-3,0 | | 3,5 | closing press.[1)] | bar | | | | | | | 18,8[a)] | 10,5[a)] |
| | | | | | add. performance | | | | | | | | 371,- | |
| | | 2,0-4,0 | | 4,5 | closing press.[1)] | bar | | | | | | | 25,4[a)] | 14,2[a)] |
| | | | | | add. performance | | | | | | | | 1.235,- | 1.246,- |
| special design | Stem-/bellows unit Fig. 32./35.471 | | | | | | | 713,- | 744,- | 744,- | 833,- | 887,- | 1.061,- | 1.133,- |
| | Trim AISI 316 Ti | | | | | | | 148,- | 215,- | 237,- | 472,- | 857,- | 1.436,- | 1.877,- |
| | Parabol. plug with PTFE-soft seal max. 200 °C [2)] | | | | | | | 293,- | 302,- | 319,- | 489,- | 637,- | 919,- | 1.299,- |
| | Miniature-Kvs-values 0,1-0,16-0,25-0,4-0,63 (only equal percentage) | | | | | | | 129,- | 129,- | 129,- | | | | |
| | Pressure balanced plug max. 200 °C | | | | | | | | 824,- | 1.051,- | 2.035,- | 2.578,- | 4.380,- | 5.687,- |
| | Hard facing seat and plug [2)] | | | | | | | 527,- | 634,- | 730,- | 1.000,- | 1.266,- | 2.308,- | 3.469,- |
| | Perforated plug (reduced Kvs-values) | | | | | | | 171,- | 229,- | 229,- | 373,- | 474,- | 899,- | 1.249,- |
| | V-port-plug | | | | | | | | | | 250,- | 318,- | 599,- | standard |
| | Increased tightness on seat, leakage class IV-S1 | | | | | | | price and closing pressure on request | | | | | | |

Air supply pressure: max 6 bar (ARI-DP34Tri: 5 bar) a) 5 bar b) 4,5 bar c) 4 bar d) 3,5 bar e) 3 bar

# ARI-STEVI® Pro

## Pneumatic actuated control valve in straight through form ANSI

Body: ASTM SA216 WCB
Type of connection: Butt weld ends ANSI B16.25
Face-to-face dimension: ANSI ISA-S75.15-1994
Trim: AISI 420
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220°C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuators: ARI-DP single acting pneumatic actuators
Action: spring closes / opens the seat on air failure

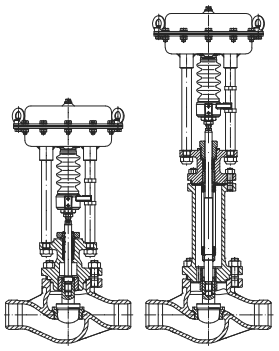


**Fig. ...470....4 ANSI ARI-DP** **Fig. ...471....4 ANSI**

Closing pressures for standard Kvs-values

| nominal diameter | | | | | DN | 25 | 40 | 50 | 80 | 100 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | NPS | 1" | 1 1/2" | 2" | 3" | 4" | 6" |
| Kvs - values | | standard | | | | 10 | 25 | 40 | 100 | 160 | 400 |
| | | reduced miniature Kvs-values see special design | | | | 6,3<br>4 | 16<br>10 | 25<br>16 | 63<br>40 | 100<br>63 | 250<br>160 |
| DP32 | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,2 | closing press. (bar) | 3,3 | | | | | |
| | spring closes | 0,4-1,2 | | 1,4 | | 12,6 | 3,8 | 2,1 | | | |
| | spring opens | | | 1,4 | | 12,6 | 3,8 | 2,1 | | | |
| | | | | 6 | | 51 | 51 | 51 | 22,3 | 14,1 | |
| Fig. No. | 35.470....4 | ANSI300 | | SA216WCB | | 1.748,- | 2.167,- | 2.282,- | 3.504,- | 4.134,- | |
| DP33 | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,2 | closing press. (bar) | 8,8[c] | 2,3[a] | 1,1[a] | | | |
| | spring closes | 0,4-1,2 | | 1,4 | | 23,7[c] | 8,3[a] | 4,9[a] | 1,4 | | |
| | spring opens | | | 1,4 | | 23,7[d] | 8,3[d] | 4,9[d] | 1,4[d] | | |
| | | | | 6 | | 51[c] | 51[a] | 51[a] | 36,4 | 23,2 | |
| Fig. No. | 35.470....4 | ANSI300 | | SA216WCB | | 1.956,- | 2.376,- | 2.490,- | 3.713,- | 4.343,- | |
| DP34 | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,2 | closing press. (bar) | | 8,3[e] | 5[e] | 1,5 | | |
| | spring closes | 0,4-1,2 | | 1,4 | | | 20,4[d] | 12,7[d] | 4,5 | 2,7 | 1 |
| | spring opens | | | 1,4 | | | 20,4[e] | 12,7[e] | 4,5 | 2,7 | 1 |
| | | | | 6 | | | 51[e] | 51[e] | 51 | 48 | 21,2 |
| Fig. No. | 35.470....4 | ANSI300 | | SA216WCB | | | 3.182,- | 3.296,- | 4.519,- | 5.149,- | 9.247,- |
| DP34T | spring closes | 0,4-1,2 | air supply press. min. (bar) | 1,7 | closing press. (bar) | | | | | | 2,5 |
| | spring opens | | | 1,5 | | | | | | 1) | 3,4 |
| | | | | 6 | | | | | | | 42,9 |
| Fig. No. | 35.470....4 | ANSI300 | | SA216WCB | | | | | | | 11.809,- |
| DP34Tri | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,5 | closing press. (bar) | | | | | | 1,6[a] |
| | | 0,4-1,2 | | 1,7 | | | | | | 1) | 4,3[a] |
| Fig. No. | 35.470....4 | ANSI300 | | SA216WCB | | | | | | | 15.629,- |
| DP35 | spring closes | 1,8-3,8 | air supply press. min. (bar) | 4,3 | closing press. (bar) | | | | | | 45,5 |
| | spring opens | | | 1,5 | | | | | | 1) | 8,7[b] |
| | | | | 4,5 | | | | | | | 51[b] |
| Fig.No. | 35.470....4 | ANSI300 | | SA216WCB | | | | | | | on request |

## Additional performance for further closing pressures / additional performance

**Fig. 470/471 ANSI - ARI-DP**

Action: spring closes the seat on air failure

Closing pressures for standard Kvs-values

| nominal diameter | | | | | | | DN | 25 | 40 | 50 | 80 | 100 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | NPS | 1" | 1 1/2" | 2" | 3" | 4" | 6" |
| Kvs - values | | | | standard | | | | 10 | 25 | 40 | 100 | 160 | 400 |
| | | | | reduced | | | | 6,3<br>4 | 16<br>10 | 25<br>16 | 63<br>40 | 100<br>63 | 250<br>160 |
| DP32 | spring range (bar) | 0,8-2,4 | air supply pressure min. (bar) | 2,7 | closing press. | bar | | 31,4 | 11,3 | 6,9 | 2,2 | 1,2 | |
| | | | | | add. performance | | | 33,- | 33,- | 33,- | 33,- | 33,- | |
| | | 1,5-2,9 | | 3,2 | closing press. | bar | | 51 | | | | | |
| | | | | | add. performance | | | 45,- | | | | | |
| DP33 | | 0,8-2,4 | | 2,7 | closing press. | bar | | 51[a)] | 20,2 | 12,6 | 4,5 | 2,7 | |
| | | | | | add. performance | | | 57,- | 57,- | 57,- | 57,- | 57,- | |
| | | (1,7-2,7)<br>1,4-2,9 | | (3,1)<br>3,3 | closing press. | bar | | | 41,1 | 26,1 | 9,8 | 6,1 | |
| | | | | | add. performance | | | | 61,- | 61,- | 61,- | 61,- | |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | | 51 | 35,7 | 13,6 | 8,5 | |
| | | | | | add. performance | | | | 124,- | 124,- | 124,- | 124,- | |
| DP34 | | 0,8-2,4<br>(1,0-2,0) | | 2,7<br>(2,3) | closing press. | bar | | | 44,4[b)] | 28,2[b)] | 10,6 | 6,6 | 2,7 |
| | | | | | add. performance | | | | 155,- | 155,- | 155,- | 155,- | 155,- |
| | | 1,5-3,0<br>(2,1-3,0) | | 3,3 | closing press. | bar | | | (51[a)]) | (51[a)]) | (30,5) | (19,4) | 5,8 |
| | | | | | add. performance | | | | | 171,- | 171,- | 171,- | 171,- |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | | | | | | 8 |
| | | | | | add. performance | | | | | | | | 474,- |
| | | 2,4-3,6 | | 4,0 | closing press. | bar | | | | | 35,1 | 22,4 | |
| | | | | | add. performance | | | | | | 474,- | 474,- | |
| DP34 T | | 0,8-2,4<br>(1,0-2,0) | | 2,9<br>(2,5) | closing press.[1)] | bar | | | | | | | 6 |
| | | | | | add. performance | | | | | | | | 203,- |
| | | 1,5-3,0 | | 3,5 | closing press.[1)] | bar | | | | | | | 12,2 |
| | | | | | add. performance | | | | | | | | 371,- |
| | | 2,0-4,0 | | 4,5 | closing press.[1)] | bar | | | | | | | 16,6 |
| | | | | | add. performance | | | | | | | | 951,- |
| DP34 Tri | | 0,8-2,4 | | 2,9 | closing press.[1)] | bar | | | | | | | 9,5[a)] |
| | | | | | add. performance | | | | | | | | 264,- |
| | | 1,0-2,0 | | 2,5 | closing press.[1)] | bar | | | | | | | |
| | | | | | add. performance | | | | | | | | |
| | | 1,5-3,0 | | 3,5 | closing press.[1)] | bar | | | | | | | 18,8[a)] |
| | | | | | add. performance | | | | | | | | 371,- |
| | | 2,0-4,0 | | 4,5 | closing press.[1)] | bar | | | | | | | 25,4[a)] |
| | | | | | add. performance | | | | | | | | 1.235,- |

Additional performance for special design and accessories of actuators - see pages 52 to 55.

Special flange drillings by agreement (refer to page 204)

[1)] DN150 with PTFE or graphite packing

[2)] Available from Kvs 1,0 upwards.

| special design | | | | | | |
|---|---|---|---|---|---|---|
| Stem-/bellows unit Fig. 35.471 | 713,- | 744,- | 744,- | 833,- | 887,- | 1.061,- |
| Trim AISI 316 Ti | 148,- | 215,- | 237,- | 472,- | 857,- | 1.436,- |
| Parabol. plug with PTFE-soft seal max. 200 °C [2)] | 293,- | 302,- | 319,- | 489,- | 637,- | 919,- |
| Miniature-Kvs-values 0,1-0,16-0,25-0,4-0,63 (only equal percentage) | 129,- | 129,- | 129,- | | | |
| Pressure balanced plug max. 200 °C | | 824,- | 1.051,- | 2.035,- | 2.578,- | 4.380,- |
| Hard facing seat and plug [2)] | 527,- | 634,- | 730,- | 1.000,- | 1.266,- | 2.308,- |
| Perforated plug (reduced Kvs-values) | 171,- | 229,- | 229,- | 373,- | 474,- | 899,- |
| V-port-plug | | | | 250,- | 318,- | 599,- |
| Shoed ends | on request | | | | | |
| Increased tightness on seat, leakage class IV-S1 | price and closing pressure on request | | | | | |

Air supply pressure: max 6 bar (ARI-DP34Tri: 5 bar) a) 5 bar b) 4,5 bar c) 4 bar d) 3,5 bar e) 3 bar

# ARI-STEVI® Pro

## Electric actuated control valve in straight through form ANSI

Body: ASTM SA216 WCB

Trim: AISI 420

Stem sealing: DN25-150: spring loaded PTFE-V-ring unit -10 ...+220 °C
DN200: PTFE-packing -10 ...+250 °C
further designs up to +450°C acc. to data sheet

Flow characteristic: equal percentage or linear

Rangeability: 50 : 1

Actuators: ARI-PREMIO®

Closing pressures for standard Kvs-values

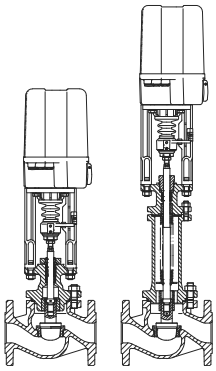


**Fig. ...470....1 ANSI Fig. ...471....1 ANSI**
**ARI-PREMIO®**

| **nominal diameter** | | | | **DN** | **25** | **40** | **50** | **80** | **100** | **150** | **200** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | **NPS** | **1"** | **1 1/2"** | **2"** | **3"** | **4"** | **6"** | **8"** |
| **Kvs - values** | | **standard** | | | **10** | **25** | **40** | **100** | **160** | **400** | **630** |
| | | **reduced** miniature Kvs-values see special design | | | **6,3 4** | **16 10** | **25 16** | **63 40** | **100 63** | **250 160** | **400 250** |
| **PREMIO® 2,2 kN (230V)** | | closing pressure | | bar | 35,9 | 13,2 | 8,1 | 2,7 | 1,5 | | |
| | | operating time | | s | 53 | 79 | 79 | 79 | 79 | | |
| Fig.No. | 32.470....1 | ANSI150 | SA216WCB | | 2.080,- | 2.323,- | 2.430,- | 3.558,- | 4.142,- | | |
| | 35.470....1 | ANSI300 | | | 2.370,- | 2.664,- | 2.786,- | 4.134,- | 4.824,- | | |
| **PREMIO® 5 kN (90-264V)** | | closing pressure | | bar | 51 | 34,6 | 21,9 | 8,2 | 5 | 2 | |
| | | operating time | | s | 53 | 79 | 79 | 79 | 79 | 132 | |
| Fig.No. | 32.470....1 | ANSI150 | SA216WCB | | 2.336,- | 2.579,- | 2.686,- | 3.815,- | 4.398,- | 8.432,- | |
| | 35.470....1 | ANSI300 | | | 2.631,- | 2.926,- | 3.047,- | 4.395,- | 5.087,- | 9.907,- | |
| **PREMIO® 12 kN (90-264V)** | | closing pressure [1] | | bar | | 51 | 51 | 21,8 | 13,8 | 5,9 | 3,1 |
| | | operating time | | s | | 79 | 79 | 79 | 79 | 132 | 171 |
| Fig.No. | 32.470....1 | ANSI150 | SA216WCB | | | 2.925,- | 3.139,- | 4.267,- | 4.849,- | 8.885,- | 13.605,- |
| | 35.470....1 | ANSI300 | | | | 3.392,- | 3.515,- | 4.865,- | 5.553,- | 10.373,- | 15.892,- |
| **PREMIO® 15 kN (90-264V)** | | closing pressure [1] | | bar | | | | 27,7 | 17,6 | 7,6 | 4 |
| | | operating time | | s | | | | 79 | 79 | 132 | 171 |
| Fig.No. | 32.470....1 | ANSI150 | SA216WCB | | | | | 4.418,- | 5.034,- | 9.069,- | 13.789,- |
| | 35.470....1 | ANSI300 | | | | | | 5.052,- | 5.742,- | 10.561,- | 16.079,- |
| **PREMIO® 25 kN (90-264V)** | | closing pressure [1] | | bar | | | | 40 | 30,1 | 19,2 | 7,3 |
| | | operating time | | s | | | | 79 | 79 | 132 | 171 |
| Fig.No. | 32.470....1 | ANSI150 | SA216WCB | | | | | 5.181,- | 5.796,- | 9.831,- | 14.551,- |
| | 35.470....1 | ANSI300 | | | | | | 5.814,- | 6.504,- | 11.323,- | 16.841,- |

| **special design** | **additional performance** | | | | | | |
|---|---|---|---|---|---|---|---|
| **nominal diameter** **DN** | **25** | **40** | **50** | **80** | **100** | **150** | **200** |
| **NPS** | **1"** | **1 1/2"** | **2"** | **3"** | **4"** | **6"** | **8"** |
| Stem-/bellows unit Fig. 32./35.471 | 713,- | 744,- | 744,- | 833,- | 887,- | 1.061,- | 1.133,- |
| Trim AISI 316 Ti | 148,- | 215,- | 237,- | 472,- | 857,- | 1.436,- | 1.877,- |
| Parabolic plug with PTFE-soft seal max. 200 °C [1] | 293,- | 302,- | 319,- | 489,- | 637,- | 919,- | 1.299,- |
| Miniature-Kvs-values 0,1-0,16-0,25-0,4-0,63 (only equal percentage) | 129,- | | | | | | |
| Pressure balanced plug max. 200 °C | | 824,- | 1.051,- | 2.035,- | 2.578,- | 4.380,- | 5.687,- |
| Hard facing seat and plug [1] | 527,- | 634,- | 730,- | 1.000,- | 1.266,- | 2.308,- | 3.469,- |
| Perforated plug (reduced Kvs-value) [1] | 171,- | 229,- | 229,- | 373,- | 474,- | 899,- | 1.249,- |
| V-port-plug | | | | 250,- | 318,- | 599,- | standard |
| Ring-Joint-Facing | on request | | | | | | |
| Increased tightness on seat, leakage class IV-S1 | price and closing pressure on request | | | | | | |

Supply voltage, add. performance for special design and accessories of actuators - see page 57

Special flange drillings by agreement (refer to page 204)

[1] Available from Kvs 1,0 upwards

# ARI-STEVI® Pro

## Electric actuated control valve in straight through form ANSI

Body: ASTM SA216 WCB
Type of connection: Butt weld ends ANSI B16.25
Face-to-face dimension: ANSI ISA-S75.15-1994
Trim: AISI 420
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuators: ARI-PREMIO®
Closing pressures for standard Kvs-values

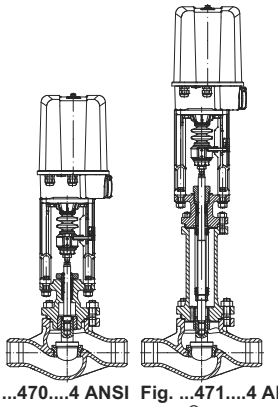


**Fig. ...470....4 ANSI ARI-PREMIO®** **Fig. ...471....4 ANSI**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **nominal diameter** | | | | **DN** | **25** | **40** | **50** | **80** | **100** | **150** |
| | | | | **NPS** | **1"** | **1 1/2"** | **2"** | **3"** | **4"** | **6"** |
| **Kvs - values** | | **standard** | | | **10** | **25** | **40** | **100** | **160** | **400** |
| | | **reduced** miniature Kvs-values see special design | | | **6,3 4** | **16 10** | **25 16** | **63 40** | **100 63** | **250 160** |
| **PREMIO® 2,2 kN (230V)** | | closing pressure | | bar | 35,9 | 13,2 | 8,1 | 2,7 | 1,5 | |
| | | operating time | | s | 53 | 79 | 79 | 79 | 79 | |
| Fig.No. | 35.470....4 | ANSI300 | SA216WCB | | 2.094,- | 2.514,- | 2.628,- | 3.504,- | 4.134,- | |
| **PREMIO® 5 kN (90-264V)** | | closing pressure | | bar | 51 | 34,6 | 21,9 | 8,2 | 5 | 2 |
| | | operating time | | s | 53 | 79 | 79 | 79 | 79 | 132 |
| Fig.No. | 35.470....4 | ANSI300 | SA216WCB | | 2.357,- | 2.777,- | 2.891,- | 4.114,- | 4.743,- | 8.842,- |
| **PREMIO® 12 kN (90-264V)** | | closing pressure [1] | | bar | | 51 | 51 | 21,8 | 13,8 | 5,9 |
| | | operating time | | s | | 79 | 79 | 79 | 79 | 132 |
| Fig.No. | 35.470....4 | ANSI300 | SA216WCB | | | 3.241,- | 3.356,- | 4.578,- | 5.208,- | 9.307,- |
| **PREMIO® 15 kN (90-264V)** | | closing pressure [1] | | bar | | | | 27,7 | 17,6 | 7,6 |
| | | operating time | | s | | | | 79 | 79 | 132 |
| Fig.No. | 35.470....4 | ANSI300 | SA216WCB | | | | | 4.767,- | 5.397,- | 9.495,- |
| **PREMIO® 25 kN (90-264V)** | | closing pressure [1] | | bar | | | | 40 | 30,1 | 19,2 |
| | | operating time | | s | | | | 79 | 79 | 132 |
| Fig.No. | 35.470....4 | ANSI300 | SA216WCB | | | | | 5.529,- | 6.159,- | 10.257,- |

| **special design** | **additional performance** | | | | | |
|---|---|---|---|---|---|---|
| **nominal diameter** **DN** | **25** | **40** | **50** | **80** | **100** | **150** |
| **NPS** | **1"** | **1 1/2"** | **2"** | **3"** | **4"** | **6"** |
| Stem-/bellows unit Fig. 35.471 | 713,- | 744,- | 744,- | 833,- | 887,- | 1.061,- |
| Trim AISI 316 Ti | 148,- | 215,- | 237,- | 472,- | 857,- | 1.436,- |
| Parabolic plug with PTFE-soft seal max. 200 °C [1] | 293,- | 302,- | 319,- | 489,- | 637,- | 919,- |
| Miniature-Kvs-values 0,1-0,16-0,25-0,4-0,63 (only equal percentage) | 129,- | | | | | |
| Pressure balanced plug max. 200 °C | | 824,- | 1.051,- | 2.035,- | 2.578,- | 4.380,- |
| Hard facing seat and plug [1] | 527,- | 634,- | 730,- | 1.000,- | 1.266,- | 2.308,- |
| Perforated plug (reduced Kvs-value) [1] | 171,- | 229,- | 229,- | 373,- | 474,- | 899,- |
| V-port-plug | | | | 250,- | 318,- | 599,- |
| Ring-Joint-Facing | on request | | | | | |
| Shoed ends | on request | | | | | |
| Increased tightness on seat, leakage class IV-S1 | price and closing pressure on request | | | | | |

Supply voltage, add. performance for special design and accessories of actuators - see page 57

Special flange drillings by agreement (refer to page 204)

[1] Available from Kvs 1,0 upwards

# ARI-STEVI® Pro

## Electric actuated control valve in straight through form ANSI

Body: ASTM SA216 WCB
Trim: AISI 420
Stem sealing: DN25-150: spring loaded PTFE-V-ring unit -10 ...+220 °C
DN200: PTFE-packing unit -10 ...+250 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuators: AUMA
Supply voltage: 400V 50Hz 3~ Protection class: IP 68
Closing pressures for standard Kvs-values

**Alternative: SCHIEBEL-actuators refer to page 61**

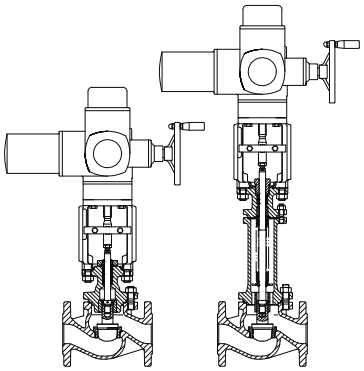


**Fig. ...470....1 ANSI AUMA** **Fig. ...471....1 ANSI AUMA**

| nominal diameter | | | | | DN | 25 | 40 | 50 | 80 | 100 | 150 | 200 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | NPS | 1" | 1 1/2" | 2" | 3" | 4" | 6" | 8" |
| Kvs - values | | standard | | | | 10 | 25 | 40 | 100 | 160 | 400 | 630 |
| | | reduced | | | | -- | 16<br>10 | 25<br>16 | 63<br>40 | 100<br>63 | 250<br>160 | 400<br>250 |
| AUMA SAR 07.2 | | closing pressure | shut off | bar | | 51 | 51 | 51 | 30,6 | 19,4 | | |
| | | | control | bar | | 51 | 51 | 37,6 | 14,3 | 9 | | |
| | | operating time | | | s | 54 | 56 | 56 | 56 | 56 | | |
| Fig.No. | 32.470....1 | ANSI150 | SA216WCB | | | 4.878,- | 5.058,- | 5.165,- | 6.292,- | 6.876,- | | |
| | 35.470....1 | ANSI300 | | | | 5.168,- | 5.456,- | 5.578,- | 6.923,- | 7.617,- | | |
| AUMA SAR 07.6 | | closing pressure | shut off | bar | | | | 51 | 43,1 | 27,5 | 12 | 6,6 |
| | | | control | bar | | | | 51 | 20,6 | 13 | 5,6 | 2,9 |
| | | operating time | | | s | | | 64 | 64 | 64 | 55 | 71 |
| Fig.No. | 32.470....1 | ANSI150 | SA216WCB | | | | | 5.290,- | 6.417,- | 7.008,- | 11.036,- | 15.724,- |
| | 35.470....1 | ANSI300 | | | | | | 5.705,- | 7.048,- | 7.744,- | 12.561,- | 18.078,- |
| AUMA SAR 10.2 | | closing pressure | shut off | bar | | | | | 51 | 46,7 | 20,7 | 13,9 |
| | | | control | bar | | | | | 43,1 | 27,5 | 12 | 6,6 |
| | | operating time | | | s | | | | 64 | 64 | 55 | 71 |
| Fig.No. | 32.470....1 | ANSI150 | SA216WCB | | | | | | 7.467,- | 8.050,- | 12.090,- | 16.805,- |
| | 35.470....1 | ANSI300 | | | | | | | 8.119,- | 8.812,- | 13.628,- | 19.149,- |
| AUMA SAR 14.2 | | closing pressure [1] | shut off | bar | | | | | | | 42,7 | 24 |
| | | | control | bar | | | | | | | 20 | 11,1 |
| | | operating time | | | s | | | | | | 63 | 59 |
| Fig.No. | 32.470....1 | ANSI150 | SA216WCB | | | | | | | | 14.431,- | 19.152,- |
| | 35.470....1 | ANSI300 | | | | | | | | | 16.641,- | 22.082,- |
| AUMA SAR 14.6 with LE100.1 | | closing pressure [1] | shut off | bar | | | | | | | 51 | 31,7 |
| | | | control | bar | | | | | | | 27,7 | 15,5 |
| | | operating time | | | s | | | | | | 54 | 51 |
| Fig.No. | 32.470....1 | ANSI150 | SA216WCB | | | | | | | | | 21.878,- |
| | 35.470....1 | ANSI300 | | | | | | | | | 19.368,- | 24.808,- |

Add. performance for special design and accessories of actuators - see page 60

Special flange drillings by agreement (refer to page 204)

[1] DN150 with PTFE or graphite packing

[2] available from Kvs 1,0

| special design | additional performance | | | | | | |
|---|---|---|---|---|---|---|---|
| nominal diameter DN | 25 | 40 | 50 | 80 | 100 | 150 | 200 |
| nominal diameter NPS | 1" | 1 1/2" | 2" | 3" | 4" | 6" | 8" |
| Stem-/bellows unit Fig. 32./35.471 | 713,- | 744,- | 744,- | 833,- | 887,- | 1.061,- | 1.133,- |
| Trim AISI 316 Ti | 148,- | 215,- | 237,- | 472,- | 857,- | 1.436,- | 1.877,- |
| Parabolic plug with PTFE-soft seal max. 200 °C [2] | 293,- | 302,- | 319,- | 489,- | 637,- | 919,- | 1.299,- |
| Pressure balanced plug max. 200 °C | | 824,- | 1.051,- | 2.035,- | 2.578,- | 4.380,- | 5.687,- |
| Hard facing seat and plug [2] | 527,- | 634,- | 730,- | 1.000,- | 1.266,- | 2.308,- | 3.469,- |
| Perforated plug (reduced Kvs-values) [2] | 171,- | 229,- | 229,- | 373,- | 474,- | 899,- | 1.249,- |
| V-port plug | | | | 250,- | 318,- | 599,- | standard |
| Ring-Joint-Facing | on request | | | | | | |
| Increased tightness on seat, leakage class IV-S1 | price and closing pressure on request | | | | | | |

# ARI-STEVI® Pro

## Electric actuated control valve in straight through form ANSI

Body: ASTM SA216 WCB
Type of connection: Butt weld ends ANSI B16.25
Face-to-face dimension: ANSI ISA-S75.15-1994
Trim: AISI 420
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuators: AUMA
Supply voltage: 400V 50Hz 3~ Protection class: IP 68
Closing pressures for standard Kvs-values

**Alternative: SCHIEBEL-actuators refer to page 61**

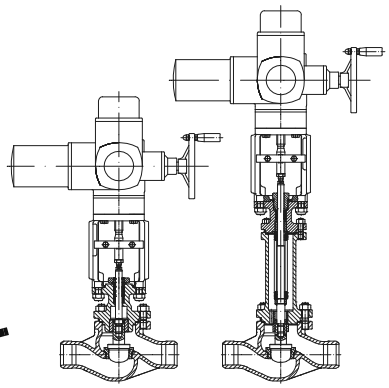


**Fig. ...470....4 ANSI AUMA** **Fig. ...471....4 ANSI AUMA**

| nominal diameter | | | | DN | 25 | 40 | 50 | 80 | 100 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | NPS | 1" | 1 1/2" | 2" | 3" | 4" | 6" |
| Kvs - values | | standard | | | 10 | 25 | 40 | 100 | 160 | 400 |
| | | reduced | | | -- | 16<br>10 | 25<br>16 | 63<br>40 | 100<br>63 | 250<br>160 |
| AUMA SAR 07.2 | closing pressure | shut off | | bar | 51 | 51 | 51 | 30,6 | 19,4 | |
| | | control | | bar | 51 | 51 | 37,6 | 14,3 | 9 | |
| | operating time | | | s | 54 | 56 | 56 | 56 | 56 | |
| Fig.No. 35.470....4 | ANSI300 | SA216WCB | | | 4.895,- | 5.304,- | 5.418,- | 6.641,- | 7.270,- | |
| AUMA SAR 07.6 | closing pressure | shut off | | bar | | | 51 | 43,1 | 27,5 | 12 |
| | | control | | bar | | | 51 | 20,6 | 13 | 5,6 |
| | operating time | | | s | | | 64 | 64 | 64 | 55 |
| Fig.No. 35.470....4 | ANSI300 | SA216WCB | | | | | 5.544,- | 6.767,- | 7.397,- | 11.495,- |
| AUMA SAR 10.2 | closing pressure | shut off | | bar | | | | 51 | 46,7 | 20,7 |
| | | control | | bar | | | | 43,1 | 27,5 | 12 |
| | operating time | | | s | | | | 64 | 64 | 55 |
| Fig.No. 35.470....4 | ANSI300 | SA216WCB | | | | | | 7.848,- | 8.476,- | 12.617,- |
| AUMA SAR 14.2 | closing pressure [1] | shut off | | bar | | | | | | 42,7 |
| | | control | | bar | | | | | | 20 |
| | operating time | | | s | | | | | | 63 |
| Fig.No. 35.470....4 | ANSI300 | SA216WCB | | | | | | | | 14.988,- |
| AUMA SAR 14.6 with LE100.1 | closing pressure [1] | shut off | | bar | | | | | | 51 |
| | | control | | bar | | | | | | 27,7 |
| | operating time | | | s | | | | | | 54 |
| Fig.No. 35.470....4 | ANSI300 | SA216WCB | | | | | | | | 17.715,- |

Add. performance for special design and accessories of actuators - see page 60

Special flange drillings by agreement (refer to page 204)

[1] DN150 with PTFE or graphite packing

[2] available from Kvs 1,0

| special design | additional performance | | | | | |
|---|---|---|---|---|---|---|
| nominal diameter DN | 25 | 40 | 50 | 80 | 100 | 150 |
| nominal diameter NPS | 1" | 1 1/2" | 2" | 3" | 4" | 6" |
| Stem-/bellows unit Fig. 35.471 | 713,- | 744,- | 744,- | 833,- | 887,- | 1.061,- |
| Trim AISI 316 Ti | 148,- | 215,- | 237,- | 472,- | 857,- | 1.436,- |
| Parabolic plug with PTFE-soft seal max. 200 °C [2] | 293,- | 302,- | 319,- | 489,- | 637,- | 919,- |
| Pressure balanced plug max. 200 °C | | 824,- | 1.051,- | 2.035,- | 2.578,- | 4.380,- |
| Hard facing seat and plug [2] | 527,- | 634,- | 730,- | 1.000,- | 1.266,- | 2.308,- |
| Perforated plug (reduced Kvs-values) [2] | 171,- | 229,- | 229,- | 373,- | 474,- | 899,- |
| V-port plug | | | | 250,- | 318,- | 599,- |
| Ring-Joint-Facing | on request | | | | | |
| Shoed ends | on request | | | | | |
| Increased tightness on seat, leakage class IV-S1 | price and closing pressure on request | | | | | |

# ARI-STEVI® Pro

## Pneumatic actuated control valve in straight through form

Body: EN-JL1040 / EN-JS1049 / 1.0619+N
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: PTFE packing -10 ...+250 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 30 : 1
Actuators: ARI-DP single acting pneumatic actuators
Action: spring closes / opens the seat on air failure
Closing pressures for standard Kvs-values

DVGW-GAS type approval on request.[1)]

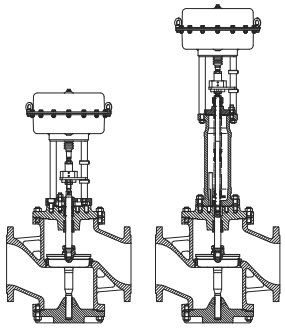


Fig. ...422 Fig. ...462
ARI-DP

| nominal diameter | | | | | | | DN | 200 | 250 |
|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | | | | standard | 630 | 1000 |
| | | | | | | | reduced | 400<br>250 | 630<br>400 |
| DP34 | | spring opens | | air supply press. min. (bar) | 6 | closing press (bar) | | 11,7 | 7,4 |
| Fig. No. | 12.422 | | PN16 | | EN-JL1040 | | | 8.356,- | 12.340,- |
| | 22.422 | | PN16 | | EN-JS1049 | | | 10.080,- | 15.098,- |
| | 35.422 | | PN25/40 | | 1.0619+N | | | 14.550,- | 22.252,- |
| DP34T | | spring closes | 0,4-1,2 | air supply press. min. (bar) | 1,7 | closing press (bar) | | 1,3[b)] | |
| | | spring opens | | | 1,5 | | | 1,8[b)] | |
| | | | | | 4 | | | 14,2[b)] | 9[b)] |
| Fig. No. | 12.422 | | PN16 | | EN-JL1040 | | | 10.912,- | 14.899,- |
| | 22.422 | | PN16 | | EN-JS1049 | | | 12.641,- | 17.659,- |
| | 35.422 | | PN25/40 | | 1.0619+N | | | 17.109,- | 24.812,- |
| DP34Tri | | spring closes | 0,4-1,2 | air supply press. min. (bar) | 1,7 | closing press (bar) | | 2,3[d)] | 1,4[d)] |
| Fig. No. | 12.422 | | PN16 | | EN-JL1040 | | | 14.733,- | 18.721,- |
| | 22.422 | | PN16 | | EN-JS1049 | | | 16.457,- | 21.478,- |
| | 35.422 | | PN25/40 | | 1.0619+N | | | 20.929,- | 28.633,- |
| DP35 | | spring closes | 1,8 - 3,8 | air supply press. min. (bar) | 4,3 | closing press (bar) | | 23,3 | 14,8 |
| | | spring opens | | | 1,5 | | | 4,1[b)] | 2,5[b)] |
| | | | | | 4 | | | 26,1[b)] | 16,7[b)] |
| Fig. No. | 12.422 | | PN16 | | EN-JL1040 | | | on request | |
| | 22.422 | | PN16 | | EN-JS1049 | | | | |
| | 35.422 | | PN25/40 | | 1.0619+N | | | | |

| special design | | add. performance | |
|---|---|---|---|
| nominal diameter | DN | 200 | 250 |
| Stem-/bellows unit Fig. 22./35.462 | | 1.182,- | 2.095,- |
| Trim X 6 CrNiMoTi 17 12 2 (1.4571) | | 1.877,- | 2.804,- |
| Parabolic plug with PTFE-soft seal max. 200 °C | | 1.299,- | 1.827,- |
| Pressure balanced plug max. 200 °C | | 5.687,- | 7.356,- |
| Hard facing seat and plug | | 3.469,- | 4.419,- |
| Perforated plug (only reduced Kvs-value) | | 1.249,- | 1.675,- |
| Type approval (DVGW-GAS) acc.to DIN EN 13611 (EN-JS1049 and 1.0619+N) [1)] | | 1.205,- | 1.269,- |

**additional performance for further closing pressures**
Mode of operation: **Spring closes** on air failure

| nominal diameter | | | | | | | DN | 200 | 250 |
|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | | | | standard | 630 | 1000 |
| | | | | | | | reduced | 400<br>250 | 630<br>400 |
| DP34 | spring range (bar) | 1,0-2,0 | air supply press. min. (bar) | 2,3 | closing press. | bar | | 1,8 | 1,1 |
| | | | | | add. performance | | | 155,- | 155,- |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | 4,3 | 2,7 |
| | | | | | add. performance | | | 820,- | 820,- |
| DP34T | | 1,0-2,0 | | 2,5 | closing press. | bar | | 4,3[a)] | 2,6[a)] |
| | | | | | add. performance | | | 310,- | 310,- |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | 9,2 | 5,8 |
| | | | | | add. performance | | | 1.638,- | 1.638,- |
| DP34Tri | | 1,0-2,0 | | 2,5 | closing press. | bar | | 6,7[b)] | 4,2[b)] |
| | | | | | add. performance | | | 405,- | 405,- |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | 14,2[a)] | 9[a)] |
| | | | | | add. performance | | | 1.246,- | 1.246,- |

Additional performance for special design and accessories of actuators - see pages 52 to 55

**Larger nominal diameters on page 36.**

Special flange drillings by agreement (refer to page 204)

[1)] Design acc. to data sheet ARI-STEVI® 422-G / 462-G

Air supply pressure max. 6 bar (ARI-DP34Tri: 5 bar)

a) 5 bar
b) 4,5 bar
c) 4 bar
d) 3,5 bar
e) 3 bar
f) 2,5 bar

# ARI-STEVI® Pro

## Electric actuated control valve in straight through form

Body: EN-JL1040 / EN-JS1049 / 1.0619+N
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: PTFE packing -10 ...+250 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 30 : 1

Actuators: ARI-PREMIO®

Actuators: AUMA
Supply voltage: 400V 50Hz 3~ Protection class: IP68

Alternative: SCHIEBEL-actuators refer to page 61

DVGW-GAS type approval on request.[1)]

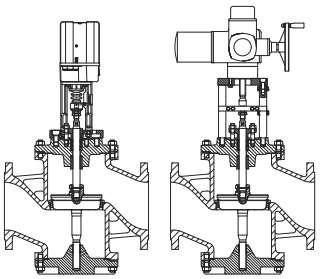


Fig. 422 ARI-PREMIO®



Fig. 422 AUMA



Closing pressures for standard Kvs-values

| nominal diameter | | | | | DN | 200 | 250 |
|---|---|---|---|---|---|---|---|
| Kvs - values | | | | standard | | 630 | 1000 |
| | | | | reduced | | 400<br>250 | 630<br>400 |
| PREMIO® 12 kN (90-264V) | | closing pressure | | | bar | 3,1 | 1,9 |
| | | operating time | | | s | 171 | 171 |
| Fig. No. | 12.422 | PN16 | EN-JL1040 | | | 8.411,- | 12.395,- |
| | 22.422 | PN16 | EN-JS1049 | | | 10.136,- | 15.157,- |
| | 35.422 | PN25/40 | 1.0619+N | | | 14.607,- | 22.311,- |
| PREMIO® 15 kN (90-264V) | | closing pressure | | | bar | 4 | 2,5 |
| | | operating time | | | s | 171 | 171 |
| Fig. No. | 12.422 | PN16 | EN-JL1040 | | | 8.599,- | 12.587,- |
| | 22.422 | PN16 | EN-JS1049 | | | 10.330,- | 15.345,- |
| | 35.422 | PN25/40 | 1.0619+N | | | 14.797,- | 22.497,- |
| PREMIO® 25 kN (90-264V) | | closing pressure | | | bar | 7,2 | 4,5 |
| | | operating time | | | s | 171 | 171 |
| Fig. No. | 12.422 | PN16 | EN-JL1040 | | | 9.362,- | 13.349,- |
| | 22.422 | PN16 | EN-JS1049 | | | 11.092,- | 16.107,- |
| | 35.422 | PN25/40 | 1.0619+N | | | 15.559,- | 23.260,- |
| AUMA SAR 07.6 | | closing pressure | | shut off | bar | 6,6 | 4,1 |
| | | | | control | bar | 2,9 | 1,8 |
| | | operating time | | | s | 71 | 71 |
| Fig. No. | 12.422 | PN16 | EN-JL1040 | | | 10.597,- | 14.585,- |
| | 22.422 | PN16 | EN-JS1049 | | | 12.324,- | 17.346,- |
| | 35.422 | PN25/40 | 1.0619+N | | | 16.794,- | 24.499,- |
| AUMA SAR 10.2 | | closing pressure | | shut off | bar | 13,9 | 8,8 |
| | | | | control | bar | 6,6 | 4,1 |
| | | operating time | | | s | 71 | 71 |
| Fig. No. | 12.422 | PN16 | EN-JL1040 | | | 11.679,- | 15.663,- |
| | 22.422 | PN16 | EN-JS1049 | | | 13.404,- | 18.426,- |
| | 35.422 | PN25/40 | 1.0619+N | | | 17.875,- | 25.577,- |
| AUMA SAR 14.2 | | closing pressure | | shut off | bar | 23,9 | 15,3 |
| | | | | control | bar | 11,1 | 7,1 |
| | | operating time | | | s | 59 | 59 |
| Fig. No. | 12.422 | PN16 | EN-JL1040 | | | 14.093,- | 18.078,- |
| | 22.422 | PN16 | EN-JS1049 | | | 15.820,- | 20.839,- |
| | 35.422 | PN25/40 | 1.0619+N | | | 20.289,- | 27.993,- |
| AUMA SAR 14.6 with LE100.1 | | closing pressure | | shut off | bar | 31,6 | 20,2 |
| | | | | control | bar | 15,5 | 9,8 |
| | | operating time | | | s | 70 | 70 |
| Fig. Nr. | 12.422 | PN16 | EN-JL1040 | | | 16.819,- | 20.804,- |
| | 22.422 | PN16 | EN-JS1049 | | | 18.546,- | 23.565,- |
| | 35.422 | PN25/40 | 1.0619+N | | | 23.016,- | 30.720,- |

| special design | additional performance | |
|---|---|---|
| nominal diameter | DN 200 | 250 |
| Stem-/bellows unit Fig.22./35.462 | 1.182,- | 2.095,- |
| Trim X 6 CrNiMoTi 17 12 2 (1.4571) | 1.877,- | 2.804,- |
| Parabolic plug with PTFE-soft seal max. 200 °C | 1.299,- | 1.827,- |
| Pressure balanced plug max. 200 °C | 5.687,- | 7.356,- |
| Hard facing seat and plug | 3.469,- | 4.419,- |
| Perforated plug (only with reduced Kvs-value) | 1.249,- | 1.675,- |
| Type approval (DVGW-GAS) acc.to DIN EN 13611 (EN-JS1049 and 1.0619+N) [1)] | 1.205,- | 1.269,- |

Supply voltage, additional performance for special design and accessories of actuators - see pages 57 and 60

**Larger nominal diameters on page 37.**

Special flange drillings by agreement (refer to page 204)

[1)] Design acc. to data sheet ARI-STEVI® 422-G / 462-G

# ARI-STEVI® Vario

## Pneumatic actuated control valve in straight through form

NEW! from ARI

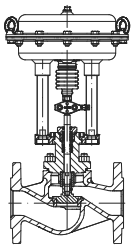


Fig. ...448

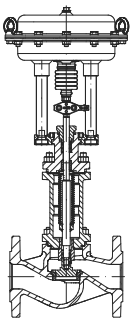


Fig. ...449

ARI-DP

Body: EN-JL1040 / EN-JS1049 / 1.0619+N / 1.4408

Trim: X 20 Cr 13+QT (1.4021+QT)

Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220°C
EPDM-sealing -10 ...+150 °C (for water and steam up to 180°C)
Optional: stainless steel bellow (-60) -10 ...+400°C

Flow characteristic: equal percentage or linear

Rangeability: 50 : 1

Actuators: ARI-DP single acting pneumatic actuators

Action: spring closes / opens the seat on air failure

Closing pressures for standard Kvs-values

| nominal diameter | | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | standard | | | 4 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 |
| | | | reduced miniature Kvs-values see special design | | | 2,5/1,6 1 | 4/2,5 1,6/1 | 6,3/4 2,5/1,6/1 | 10/6,3/4 2,5/1,6/1 | 16/10 6,3 | 25/16 10 | 40/25 16 | 63/40 25 | 100/63 40 |
| DP30 | spring closes | air supply press. min. (bar) | 4 | closing press. (bar) | | 40 | 40 | 40 | Closing pressures see data sheet. Only reduced Kvs-values possible | | | | | |
| | spring opens | air supply press. min. (bar) | 2 | closing press. (bar) | | 33 | 18 | 8 | | | | | | |
| | | | 3 | | | 40 | 40 | 28 | | | | | | |
| | | | 4 | | | 40 | 40 | 40 | | | | | | |
| Fig. Nr. 12.448 | | PN16 | EN-JL1040 | | | 1.125,- | 1.133,- | 1.140,- | 1.236,- | 1.281,- | 1.336,- | | | |
| Fig. Nr. 25.448 | | PN16/25/40 | EN-JS1049 | | | 1.325,- | 1.350,- | 1.360,- | 1.478,- | 1.544,- | 1.613,- | | | |
| Fig. Nr. 35.448 | | PN16/25/40 | 1.0619+N | | | 1.362,- | 1.389,- | 1.429,- | 1.651,- | 1.722,- | 1.945,- | | | |
| Fig. Nr. 55.448 | | PN16/25/40 | 1.4408 | | | 1.919,- | 1.996,- | 2.045,- | 2.369,- | 2.538,- | 2.835,- | | | |
| DP32 | spring closes | air supply press. min. (bar) | 4 | closing press. (bar) | | | | | 40 | 40 | 28 | Closing pressures see data sheet. Only reduced Kvs-values possible | | |
| | spring opens | air supply press. min. (bar) | 2 | closing press. (bar) | | | | | 23[c] | 14[c] | 9[c] | | | |
| | | | 3 | | | | | | 40[c] | 36[c] | 23[c] | | | |
| | | | 4 | | | | | | 40[c] | 40[c] | 38[c] | | | |
| Fig. Nr. 12.448 | | PN16 | EN-JL1040 | | | | | | 1.338,- | 1.383,- | 1.438,- | 1.855,- | 2.138,- | 2.931,- |
| Fig. Nr. 25.448 | | PN16/25/40 | EN-JS1049 | | | | | | 1.579,- | 1.646,- | 1.715,- | | | |
| Fig. Nr. 23.448 | | PN16/25 | EN-JS1049 | | | | | | | | | 2.191,- | 2.484,- | 3.391,- |
| Fig. Nr. 35.448 | | PN16/25/40 | 1.0619+N | | | | | | 1.753,- | 1.824,- | 2.047,- | 2.537,- | 3.173,- | 3.689,- |
| Fig. Nr. 55.448 | | PN16/25/40 | 1.4408 | | | | | | 2.471,- | 2.640,- | 2.937,- | 4.036,- | 5.258,- | 7.051,- |
| DP33 | spring closes | air supply press. min. (bar) | 4 | closing press. (bar) | | | | | | | | 25 | 16 | 8 |
| | spring opens | air supply press. min. (bar) | 2 | closing press. (bar) | | | | | | | | 11[a] | 7[a] | 3[a] |
| | | | 3 | | | | | | | | | 26[a] | 17[a] | 9[a] |
| | | | 4 | | | | | | | | | 40[a] | 26[a] | 14[a] |
| | | | 5 | | | | | | | | | 40[a] | 36[a] | 19[a] |
| Fig. Nr. 12.448 | | PN16 | EN-JL1040 | | | | | | | | | 2.120,- | 2.403,- | 3.196,- |
| Fig. Nr. 23.448 | | PN16/25 | EN-JS1049 | | | | | | | | | 2.456,- | 2.749,- | 3.656,- |
| Fig. Nr. 35.448 | | PN16/25/40 | 1.0619+N | | | | | | | | | 2.802,- | 3.438,- | 3.954,- |
| Fig. Nr. 55.448 | | PN16/25/40 | 1.4408 | | | | | | | | | 4.301,- | 5.523,- | 7.316,- |
| DP34 | spring closes | air supply press. min. (bar) | 4 | closing press. (bar) | | | | | | | | 40 | 32 | 17 |
| Fig. Nr. 12.448 | | PN16 | EN-JL1040 | | | | | | | | | 2.991,- | 3.274,- | 4.067,- |
| Fig. Nr. 23.448 | | PN16/25 | EN-JS1049 | | | | | | | | | 3.327,- | 3.621,- | 4.527,- |
| Fig. Nr. 35.448 | | PN16/25/40 | 1.0619+N | | | | | | | | | 3.673,- | 4.309,- | 4.825,- |
| Fig. Nr. 55.448 | | PN16/25/40 | 1.4408 | | | | | | | | | 5.172,- | 6.394,- | 8.188,- |

| special design | additional performance | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| nominal diameter DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 |
| Stem-/bellows unit Fig. 23./ 35.449 | 377,- | 377,- | 423,- | 423,- | 459,- | 459,- | 550,- | 662,- | 723,- |
| Stem-/bellows unit Fig. 55.449 | 754,- | 754,- | 846,- | 846,- | 917,- | 917,- | 1.101,- | 1.325,- | 1.447,- |
| Trim X6CrNiMoTi17 12 2 (1.4571) | 97,- | 122,- | 135,- | 158,- | 194,- | 219,- | 326,- | 382,- | 428,- |
| Parabol. plug with PTFE-soft seal max. 200 °C | 143,- | 143,- | 143,- | 143,- | 153,- | 163,- | 194,- | 224,- | 255,- |
| Miniature-Kvs-values 0,1-0,16-0,25-0,4-0,63 | 129,- | 129,- | 129,- | | | | | | |
| Hard facing seat and plug [1] | 489,- | 489,- | 489,- | 510,- | 550,- | 693,- | 744,- | 805,- | 866,- |
| Perforated plug (reduced Kvs-values) [1] | 127,- | 127,- | 127,- | 127,- | 135,- | 143,- | 153,- | 178,- | 194,- |
| Increased tightness on seat, leakage class IV-S1 [2] | 76,- | 76,- | 146,- | 146,- | 146,- | 146,- | 280,- | 336,- | 397,- |

Air supply pressure: max 6 bar a) 5 bar b) 4,5 bar c) 4 bar d) 3,5 bar e) 3 bar

Additional performance for special design and accessories of actuators see pages 52 to 55

Special flange drillings by agreement (refer to page 204)

[1] Available from Kvs 1,0 upwards.

[2] Closing pressures see extra data sheet.

# ARI-STEVI® Vario

## Electric actuated control valve in straight through form

NEW! from ARI

Body: EN-JL1040 / EN-JS1049 / 1.0619+N / 1.4408
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220°C
EPDM-sealing -10 ...+150 °C (for water and steam up to 180°C)
Optional: stainless steel bellow (-60) -10 ...+400°C
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuators: ARI-PREMIO®-**Plus 2G**
Closing pressures for standard Kvs-values

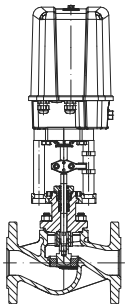


Fig. ...448

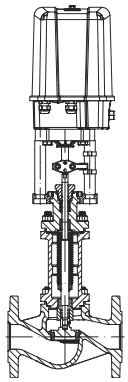


Fig. ...449
ARI-PREMIO®-Plus 2G



| nominal diameter | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | standard | | | 4 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 |
| | | reduced miniature Kvs-values see special design | | | 2,5/1,6/ 1 | 4/2,5 1,6/1 | 6,3/4/2,5/ 1,6/1 | 10/6,3/4 2,5/1,6/1 | 16/10 6,3 | 25/16 10 | 40/25 16 | 63/40 25 | 100/63 40 |
| PREMIO®-Plus 2G 2,2 kN (90-264V) | | closing pressure | | bar | 40 | 40 | 40 | 28 | 17 | 11 | | | |
| | | operating time | | s | 40 | 40 | 40 | 60 | 60 | 60 | | | |
| Fig. Nr. | 12.448 | PN16 | EN-JL1040 | | 2.113,- | 2.122,- | 2.129,- | 2.224,- | 2.269,- | 2.324,- | | | |
| | 25.448 | PN16/25/40 | EN-JS1049 | | 2.313,- | 2.339,- | 2.349,- | 2.466,- | 2.532,- | 2.602,- | | | |
| | 35.448 | PN16/25/40 | 1.0619+N | | 2.351,- | 2.377,- | 2.417,- | 2.639,- | 2.711,- | 2.934,- | | | |
| | 55.448 | PN16/25/40 | 1.4408 | | 2.907,- | 2.985,- | 3.034,- | 3.358,- | 3.557,- | 3.823,- | | | |
| PREMIO®-Plus 2G 5 kN (90-264V) | | closing pressure | | bar | | | | 40 | 40 | 30 | 17 | 10 | 5 |
| | | operating time | | s | | | | 60 | 60 | 60 | 53 | 66 | 79 |
| Fig. Nr. | 12.448 | PN16 | EN-JL1040 | | | | | 2.260,- | 2.305,- | 2.360,- | 2.777,- | 3.060,- | 3.853,- |
| | 25.448 | PN16/25/40 | EN-JS1049 | | | | | 2.502,- | 2.568,- | 2.637,- | | | |
| | 23.448 | PN16/25 | EN-JS1049 | | | | | | | | 3.113,- | 3.407,- | 4.313,- |
| | 35.448 | PN16/25/40 | 1.0619+N | | | | | 2.675,- | 2.746,- | 2.969,- | 3.460,- | 4.095,- | 4.611,- |
| | 55.448 | PN16/25/40 | 1.4408 | | | | | 3.393,- | 3.562,- | 3.859,- | 4.958,- | 6.180,- | 7.974,- |
| PREMIO®-Plus 2G 15 kN (90-264V) | | closing pressure | | bar | | | | | | | 40 | 36 | 19 |
| | | operating time | | s | | | | | | | 53 | 66 | 79 |
| Fig. Nr. | 12.448 | PN16 | EN-JL1040 | | | | | | | | 3.609,- | 3.893,- | 4.685,- |
| | 23.448 | PN16/25 | EN-JS1049 | | | | | | | | 3.946,- | 4.239,- | 5.146,- |
| | 35.448 | PN16/25/40 | 1.0619+N | | | | | | | | 4.292,- | 4.928,- | 5.443,- |
| | 55.448 | PN16/25/40 | 1.4408 | | | | | | | | 5.791,- | 7.013,- | 8.806,- |

| special design | | | | | additional performance | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| nominal diameter | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 |
| Stem-/bellows unit Fig. 23./ 35.449 | | | | | 377,- | 377,- | 423,- | 423,- | 459,- | 459,- | 550,- | 662,- | 723,- |
| Stem-/bellows unit Fig. 55.449 | | | | | 754,- | 754,- | 846,- | 846,- | 917,- | 917,- | 1.101,- | 1.325,- | 1.447,- |
| Trim X6CrNiMoTi17 12 2 (1.4571) | | | | | 97,- | 122,- | 135,- | 158,- | 194,- | 219,- | 326,- | 382,- | 428,- |
| Parabol. plug with PTFE-soft seal max. 200 °C | | | | | 143,- | 143,- | 143,- | 143,- | 153,- | 163,- | 194,- | 224,- | 255,- |
| Miniature-Kvs-values 0,1-0,16-0,25-0,4-0,63 | | | | | 129,- | 129,- | 129,- | | | | | | |
| Hard facing seat and plug [1] | | | | | 489,- | 489,- | 489,- | 510,- | 550,- | 693,- | 744,- | 805,- | 866,- |
| Perforated plug (reduced Kvs-values) [1] | | | | | 127,- | 127,- | 127,- | 127,- | 135,- | 143,- | 153,- | 178,- | 194,- |
| Increased tightness on seat, leakage class IV-S1 [2] | | | | | 76,- | 76,- | 146,- | 146,- | 146,- | 146,- | 280,- | 336,- | 397,- |

Supply voltage, additional performance for special design and accessories of actuators - see page 56

Special flange drillings by agreement (refer to page 204)

[1] Available from Kvs 1,0 upwards.
[2] Closing pressures see extra data sheet.

# ARI-STEVI® Smart

## Pneumatic actuated control valve in straight through form

Body: EN-JL1040 / EN-JS1049
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuators: ARI-DP single acting pneumatic actuators
Action: spring closes / opens the seat on air failure

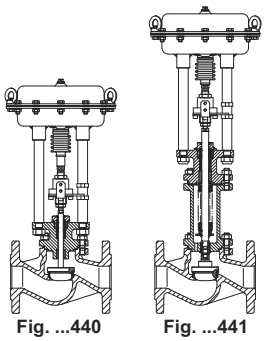


Fig. ...440 Fig. ...441
ARI-DP

| nominal diameter | | | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | standard | | | | 4 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 250 | 400 |
| | | | reduced | | | | 2,5 | 4 / 2,5 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 250 |
| DP32 | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,2 | closing pressure (bar) | | 5,5 | 5,5 | 2,6 | 1,6 | | | | | | | |
| | | 0,4-1,2 | | 1,4 | | | 18,6 | 18,6 | 10,7 | 7,8 | 3,9 | 2,2 | | | | | |
| | spring opens | | | 1,4 | | | 18,6 | 18,6 | 10,7 | 7,8 | 3,9 | 2,2 | | | | | |
| | | | | 6 | | | 40 | 40 | 40 | 40 | 40 | 40 | 33 | 21,7 | 13,8 | | |
| Fig. No. | 12.440 | | PN16 | | EN-JL1040 | | 1.177,- | 1.180,- | 1.189,- | 1.210,- | 1.266,- | 1.308,- | 1.557,- | 1.976,- | 2.514,- | | |
| | 23.440 | | PN16/25 | | EN-JS1049 | | 1.262,- | 1.281,- | 1.285,- | 1.450,- | 1.465,- | 1.548,- | 1.989,- | 2.253,- | 3.153,- | | |
| DP33 | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,2 | closing pressure (bar) | | 13,3[c] | 13,3[c] | 7,4[c] | 5,2[c] | 2,4[c] | 1,2[c] | | | | | |
| | | 0,4-1,2 | | 1,4 | | | 34,2[c] | 34,2[c] | 20,2[c] | 15,1[c] | 8,1[c] | 4,9[c] | 2,5 | 1,4 | | | |
| | spring opens | | | 1,4 | | | 34,2[d] | 34,2[d] | 20,2[d] | 15,1[d] | 8,1[d] | 4,9[d] | 2,5[d] | 1,4[d] | | | |
| | | | | 6 | | | 40[c] | 40[c] | 40[c] | 40[c] | 40[c] | 40[c] | 40 | 35,4 | 22,7 | | |
| Fig. No. | 12.440 | | PN16 | | EN-JL1040 | | 1.385,- | 1.389,- | 1.399,- | 1.419,- | 1.477,- | 1.519,- | 1.769,- | 2.185,- | 2.725,- | | |
| | 23.440 | | PN16/25 | | EN-JS1049 | | 1.473,- | 1.495,- | 1.497,- | 1.660,- | 1.673,- | 1.756,- | 2.200,- | 2.462,- | 3.362,- | | |
| DP34 | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,2 | closing pressure (bar) | | | | | | | | 2,5[b] | 1,5[b] | | | |
| | | 0,4-1,2 | | 1,4 | | | | | | | | | 7[b] | 4,4[b] | 2,7[b] | 1,6 | |
| | spring opens | | | 1,4 | | | | | | | | | 7[b] | 4,4[b] | 2,7[b] | 1,6 | 1 |
| | | | | 4 | | | | | | | | | 40[b] | 40[b] | 27,6[b] | 17,7 | 12,2 |
| | | | | 6 | | | | | | | | | | | | 30,9 | 20,9 |
| Fig. No. | 12.440 | | PN16 | | EN-JL1040 | | | | | | | | 2.572,- | 2.993,- | 3.530,- | 4.105,- | 4.847,- |
| | 23.440 | | PN16/25 | | EN-JS1049 | | | | | | | | 3.006,- | 3.267,- | 4.168,- | 4.593,- | 5.167,- |

| special design | additional performance | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| nominal diameter DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| Stem-/bellows unit Fig. 23.441 | 423,- | 423,- | 474,- | 474,- | 491,- | 491,- | 510,- | 557,- | 591,- | 648,- | 704,- |
| Parabol. plug PTFE-soft max. 200 °C (from Kvs 1,0) | 183,- | 183,- | 183,- | 183,- | 197,- | 204,- | 275,- | 316,- | 408,- | 534,- | 623,- |
| Pressure balanced plug max. 200 °C | | | 319,- | 430,- | 528,- | 677,- | 928,- | 1.310,- | 1.722,- | 2.153,- | 2.905,- |
| V-port-plug | | | | | | | 179,- | 217,- | 277,- | 421,- | 571,- |
| Increased tightness on seat, leakage class IV-S1 | price and closing pressure on request | | | | | | | | | | |

# Additional performance for further closing pressures

**Fig. 440/441 - ARI-DP**

Action: spring closes the seat on air failure

| nominal diameter | | | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | standard | | | 4 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 250 | 400 |
| | | | | reduced | | | 2,5 | 4 / 2,5 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 250 |
| DP32 | spring range (bar) | 0,8-2,4 | air supply pressure min. (bar) | 2,7 | closing press. | bar | 25 | 25 | 25 | 20,1 | 11 | 6,8 | 3,7 | 2,2 | 1,2 | | |
| | | | | | add. performance | | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- | | |
| | | 1,5-2,9 | | 3,2 | closing press. | bar | | | 25 | 25 | 23,5 | 15 | | | | | |
| | | | | | add. performance | | | | 45,- | 45,- | 45,- | 45,- | | | | | |
| | | 2,0-3,8 | | 4,1 | closing press. | bar | | | | | 25 | 20,8 | | | | | |
| | | | | | add. performance | | | | | | 155,- | 155,- | | | | | |
| DP33 | | 0,8-2,4 | | 2,7 | closing press. | bar | 25[a)] | 25[a)] | 25[a)] | 25[a)] | 19,5[a)] | 12,3[a)] | 7 | 4,4 | 2,6 | | |
| | | | | | add. performance | | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- | | |
| | | (1,7-2,7) 1,5-3,0 | | (3,1) 3,3 | closing press. | bar | | | | (25[a)]) | (25[a)]) | (25[a)]) | 14,8 | 9,6 | 6 | | |
| | | | | | add. performance | | | | | 61,- | 61,- | 61,- | 61,- | 61,- | 61,- | | |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | | | | | | 20,3 | 13,3 | 8,4 | | |
| | | | | | add. performance | | | | | | | | 124,- | 124,- | 124,- | | |
| | | 2,3-3,7 | | 4,5 | closing press. | bar | | | | | | 25 | | | | | |
| | | | | | add. performance | | | | | | | 124,- | | | | | |
| DP34 | | 0,8-2,4 | | 2,7 | closing press. | bar | | | | | | | 16 | 10,4 | 6,5 | 4 | 2,7 |
| | | | | | add. performance | | | | | | | | 155,- | 155,- | 155,- | 155,- | 155,- |
| | | 1,5-3,0 | | 3,3 | closing press. | bar | | | | | | | | | | 8,4 | 5,7 |
| | | | | | add. performance | | | | | | | | | | | 171,- | 171,- |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | | | | | | | | | 11,5 | 7,9 |
| | | | | | add. performance | | | | | | | | | | | 474,- | 474,- |
| | | 2,1-3,0 | | 3,3 | closing press. | bar | | | | | | | 25 | 25 | 19 | | |
| | | | | | add. performance | | | | | | | | 171,- | 171,- | 171,- | | |
| | | 2,4-3,6 | | 4,5 | closing press. | bar | | | | | | | | 25 | 21,9 | | |
| | | | | | add. performance | | | | | | | | | 474,- | 474,- | | |

Air supply pressure max. 6 bar a) 5 bar b) 4,5 bar c) 4 bar d) 3,5 bar e) 3 bar

Additional performance for special design and accessories of actuators - see pages 52 to 55

Larger nominal diameters on page 28

Special flange drillings by agreement (refer to page 204)

# ARI-STEVI® Smart

## Pneumatic actuated control valve in straight through form

Body: EN-JL1040 / EN-JS1049 / 1.0619+N / 1.4408
Trim: X 20 Cr 13+QT (1.4021+QT) / X 6 CrNiMoTi 17 12 2 (1.4571)
Stem sealing: PTFE packing -10 ...+250 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 30 : 1
Actuators: ARI-DP
single acting pneumatic actuators
Action: spring closes / opens the seat on air failure

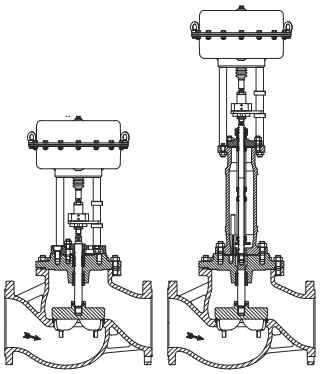


Fig. ...440 Fig. ...441
ARI-DP

| nominal diameter | | | | | | DN | 200 | 250 |
|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | standard | | | 630 | 1000 |
| | | | | reduced | | | 400 | 630 |
| DP34 | spring closes | 0,4-1,2 | air suppl. press. (bar) | 1,4 | closing pressure (bar) | | | |
| | spring opens | | | 4 | | | 1,8 | 1,1 |
| | | | | 6 | | | 11,6 | 7,4 |
| Fig. No. 12.440 | | PN16 | | EN-JL1040 | | | 7.819,- | 10.882,- |
| Fig. No. 22.440 | | PN16 | | EN-JS1049 | | | 9.008,- | 13.760,- |
| Fig. No. 35.440 | | PN25/40 | | 1.0619+N | | | 11.110,- | 16.702,- |
| Fig. No. 55.440 | | PN25 | | 1.4408 | | | 25.477,- | 40.233,- |
| | | PN40 | | | | | on request | |
| DP34T | spring closes | 0,4-1,2 | air suppl. press. (bar) | 1,7 | closing pressure (bar) | | 1,3[b)] | |
| | spring opens | | | 1,5 | | | 1,8[b)] | 1,1[b)] |
| | | | | 5 | | | 16,5[b)] | 10,5[b)] |
| Fig. No. 12.440 | | PN16 | | EN-JL1040 | | | 10.381,- | 13.444,- |
| Fig. No. 22.440 | | PN16 | | EN-JS1049 | | | 11.571,- | 16.320,- |
| Fig. No. 35.440 | | PN25/40 | | 1.0619+N | | | 13.672,- | 19.264,- |
| Fig. No. 55.440 | | PN25 | | 1.4408 | | | 28.155,- | 42.794,- |
| | | PN40 | | | | | on request | |
| DP34Tri | spring closes | 0,4-1,2 | air suppl. press. (bar) | 1,7 | closing press. (bar) | | 2,3[d)] | 1,4[d)] |
| Fig. No. 12.440 | | PN16 | | EN-JL1040 | | | 14.203,- | 17.264,- |
| Fig. No. 22.440 | | PN16 | | EN-JS1049 | | | 15.392,- | 20.141,- |
| Fig. No. 35.440 | | PN25/40 | | 1.0619+N | | | 17.493,- | 23.083,- |
| Fig. No. 55.440 | | PN25 | | 1.4408 | | | 31.973,- | 46.615,- |
| | | PN40 | | | | | on request | |

| special design | | additional performance | |
|---|---|---|---|
| nominal diameter | DN | 200 | 250 |
| Stem-/bellows unit Fig. 23./ 35.441 | | 1.339,- | 1.339,- |
| Stem-/bellows unit Fig. 55.441 | | 3.712,- | 3.712,- |
| **Screwed seat ring Fig. 55.445/55.446** [1)] | | 1.824,- | 2.293,- |
| Pressure balanced plug max. 200 °C | | on request | |
| Increased tightness on seat, leakage class IV-S1 | | price and closing pressure on request | |

## Additional performance for further closing pressures

**Fig. 440/441 - ARI-DP**

Action: spring closes the seat on air failure

| nominal diameter | | | | | | | DN | 200 | 250 |
|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | standard | | | | 630 | 1000 |
| | | | | reduced | | | | 400 | 630 |
| DP34 | spring range (bar) | 1,0-2,0 | air supply pressure min. (bar) | 2,4 | closing press. | bar | | 1,8 | 1,1 |
| | | | | | add. performance | | | 155,- | 155,- |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | 4,2 | 2,6 |
| | | | | | add. performance | | | 820,- | 820,- |
| DP34T | | 1,0-2,0 | | 2,5 | closing press. | bar | | 4,2[a)] | 2,6[a)] |
| | | | | | add. performance | | | 310,- | 310,- |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | 9,1 | 5,8 |
| | | | | | add. performance | | | 1.638,- | 1.638,- |
| DP34Tri | | 1,0-2,0 | | 2,5 | closing press. | bar | | 6,7[b)] | 4,2[b)] |
| | | | | | add. performance | | | 405,- | 405,- |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | 14 | 8,9 |
| | | | | | add. performance | | | 1.246,- | 1.246,- |

Air supply pressure max. 6 bar (ARI-DP34Tri: 5 bar) a) 5 bar b) 4,5 bar c) 4 bar d) 3,5 bar e) 3 bar

Additional performance for special design and accessories of actuators - see pages 52 to 55

Special flange drillings by agreement (refer to page 204)

[1)] Closing pressures for stainless steel body and screwed seat ring refer to data sheet ARI-STEVI® 445 / 446.

# ARI-STEVI® Smart

## Electric actuated control valve in straight through form

Body: EN-JL1040 / EN-JS1049
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuators: ARI-PREMIO®

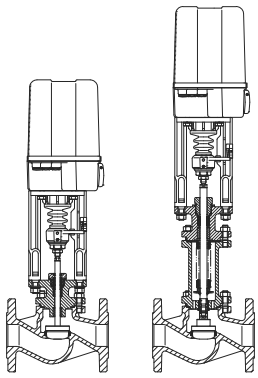


Fig. ...440 Fig. ...441
ARI-PREMIO®

| nominal diameter | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | standard | | 4 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 250 | 400 |
| | | | reduced | | 2,5 | 4 / 2,5 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 250 |
| PREMIO® 2,2 kN (230V) | | closing pressure | | bar | 25 | 25 | 25 | 23,1 | 12,8 | 8 | 4,3 | 2,7 | 1,5 | | |
| | | operating time | | s | 53 | 53 | 53 | 53 | 53 | 53 | 79 | 79 | 79 | | |
| Fig. No. | 12.440 | PN16 | EN-JL1040 | | 1.523,- | 1.527,- | 1.534,- | 1.555,- | 1.614,- | 1.657,- | 1.900,- | 2.324,- | 2.861,- | | |
| | 23.440 | PN16/25 | EN-JS1049 | | 1.607,- | 1.629,- | 1.633,- | 1.796,- | 1.810,- | 1.894,- | 2.337,- | 2.598,- | 3.497,- | | |
| PREMIO® 5 kN (90-264V) | | closing pressure | | bar | | | 25 | 25 | 25 | 21,3 | 12,3 | 8 | 4,9 | 3 | 2 |
| | | operating time | | s | | | 53 | 53 | 53 | 53 | 79 | 79 | 79 | 132 | 132 |
| Fig. No. | 12.440 | PN16 | EN-JL1040 | | | | 1.796,- | 1.815,- | 1.871,- | 1.915,- | 2.164,- | 2.581,- | 3.124,- | 3.696,- | 4.440,- |
| | 23.440 | PN16/25 | EN-JS1049 | | | | 1.895,- | 2.057,- | 2.071,- | 2.156,- | 2.598,- | 2.858,- | 3.759,- | 4.180,- | 4.762,- |
| PREMIO® 12 kN (90-264V) | | closing pressure | | bar | | | | | 25 | 25 | 25 | 21,2 | 13,5 | 8,5 | 5,9 |
| | | operating time | | s | | | | | 53 | 53 | 79 | 79 | 79 | 132 | 132 |
| Fig. No. | 12.440 | PN16 | EN-JL1040 | | | | | | 2.339,- | 2.384,- | 2.631,- | 3.050,- | 3.587,- | 4.164,- | 4.908,- |
| | 23.440 | PN16/25 | EN-JS1049 | | | | | | 2.537,- | 2.622,- | 3.064,- | 3.326,- | 4.226,- | 4.652,- | 5.228,- |
| PREMIO® 15 kN (90-264V) | | closing pressure | | bar | | | | | | | 25 | 25 | 17,2 | 10,9 | 7,5 |
| | | operating time | | s | | | | | | | 79 | 79 | 79 | 132 | 132 |
| Fig. No. | 12.440 | PN16 | EN-JL1040 | | | | | | | | 2.821,- | 3.239,- | 3.780,- | 4.352,- | 5.096,- |
| | 23.440 | PN16/25 | EN-JS1049 | | | | | | | | 3.255,- | 3.515,- | 4.415,- | 4.841,- | 5.417,- |
| PREMIO® 25 kN (90-264V) | | closing pressure | | bar | | | | | | | | | | 18,8 | 13 |
| | | operating time | | s | | | | | | | | | | 132 | 132 |
| Fig. No. | 12.440 | PN16 | EN-JL1040 | | | | | | | | | | | 5.114,- | 5.858,- |
| | 23.440 | PN16/25 | EN-JS1049 | | | | | | | | | | | 5.603,- | 6.179,- |

| special design | | | | | additional performance | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| nominal diameter | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| Stem-/bellows unit Fig. 23.441 | | | | | 423,- | 423,- | 474,- | 474,- | 491,- | 491,- | 510,- | 557,- | 591,- | 648,- | 704,- |
| Parabol. plug PTFE-soft max. 200 °C (from Kvs 1,0) | | | | | 183,- | 183,- | 183,- | 183,- | 197,- | 204,- | 275,- | 316,- | 408,- | 534,- | 623,- |
| Pressure balanced plug max. 200 °C | | | | | | | 319,- | 430,- | 528,- | 677,- | 928,- | 1.310,- | 1.722,- | 2.153,- | 2.905,- |
| V-port plug | | | | | | | | | | | 179,- | 217,- | 277,- | 421,- | 571,- |
| Increased tightness on seat, leakage class IV-S1 | | | | | price and closing pressure on request | | | | | | | | | | |

Supply voltage, add. performance for special design and accessories of actuators - see page 57
Larger nominal diameters on page 31
Special flange drillings by agreement (refer to page 204)

# ARI-STEVI® Smart

## Electric actuated control valve in straight through form

Body: EN-JL1040 / EN-JS1049 / 1.0619+N / 1.4408
Trim: X 20 Cr 13+QT (1.4021+QT) / X 6 CrNiMoTi 17 12 2 (1.4571)
Stem sealing: PTFE-packing -10 ...+250 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 30 : 1
Actuators: ARI-PREMIO®

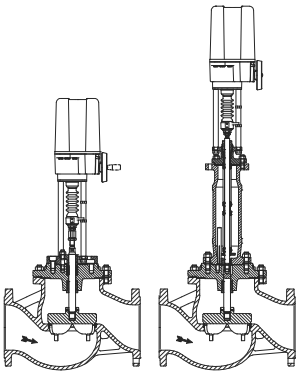


Fig. ...440 Fig. ...441
ARI-PREMIO®

| nominal diameter | | | | DN | 200 | 250 |
|---|---|---|---|---|---|---|
| Kvs - values | | | standard | | 630 | 1000 |
| | | | reduced | | 400 | 630 |
| PREMIO® 12 kN (90-264V) | | closing pressure | | bar | 3,1 | 1,9 |
| | | operating time | | s | 171 | 171 |
| Fig. No. | 12.440 | PN16 | EN-JL1040 | | 7.879,- | 10.941,- |
| | 22.440 | PN16 | EN-JS1049 | | 9.068,- | 13.818,- |
| | 35.440 | PN25/40 | 1.0619+N | | 11.169,- | 16.761,- |
| | 55.440 | PN25 | 1.4408 | | 25.650,- | 40.291,- |
| | | PN40 | | | on request | |
| PREMIO® 15 kN (90-264V) | | closing pressure | | bar | 4 | 2,5 |
| | | operating time | | s | 171 | 171 |
| Fig. No. | 12.440 | PN16 | EN-JL1040 | | 8.068,- | 11.132,- |
| | 22.440 | PN16 | EN-JS1049 | | 9.258,- | 14.008,- |
| | 35.440 | PN25/40 | 1.0619+N | | 11.359,- | 16.952,- |
| | 55.440 | PN25 | 1.4408 | | 25.841,- | 40.482,- |
| | | PN40 | | | on request | |
| PREMIO® 25 kN (90-264V) | | closing pressure | | bar | 7,1 | 4,5 |
| | | operating time | | s | 171 | 171 |
| Fig. No. | 12.440 | PN16 | EN-JL1040 | | 8.831,- | 11.894,- |
| | 22.440 | PN16 | EN-JS1049 | | 10.020,- | 14.770,- |
| | 35.440 | PN25/40 | 1.0619+N | | 12.121,- | 17.714,- |
| | 55.440 | PN25 | 1.4408 | | 26.603,- | 41.244,- |
| | | PN40 | | | on request | |

| special design | additional performance | |
|---|---|---|
| nominal diameter DN | 200 | 250 |
| Stem-/bellows unit Fig. 23./35.441 | 1.339,- | 1.339,- |
| Stem-/bellows unit Fig. 55.441/55.446 | 3.712,- | 3.712,- |
| **Screwed seat ring Fig. 55.445/55.446** 1) | 1.824,- | 2.293,- |
| Pressure balanced plug max. 200 °C | on request | |
| Increased tightness on seat, leakage class IV-S1 | price and closing pressure on request | |

Supply voltage, add. performance for special design and accessories of actuators - see page 57

Special flange drillings by agreement (refer to page 204)

1) Closing pressures for stainless steel body and screwed seat ring refer to data sheet ARI-STEVI® 445 / 446.

# ARI-STEVI® Smart

## Electric actuated control valve with fail-safe function

Body: EN-JL1040 / EN-JS1049
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+200 °C
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuator: FR 1.2 with fail-safe on power failure
(actuator spindle extends on power failure)
Supply voltage: 24V 50/60Hz 1~ / 24V DC or 230V 50/60Hz Protection class: IP 66

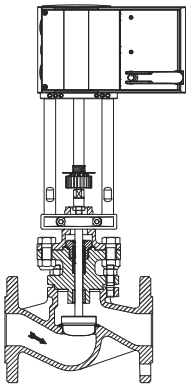


**Fig. ...440**
**FR 1.2**

## ARI-STEVI® 440-FR 1.2

With parabolic plug

| **nominal diameter** | | | | **DN** | **15** | **20** | **25** | **32** | **40** | **50** | **65** | **80** | **100** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Kvs - values** | | | **standard** | | **4** | **6,3** | **10** | **16** | **25** | **40** | **63** | **100** | **160** |
| | | | **reduced** | | **2,5** | **4 / 2,5** | **6,3** | **10** | **16** | **25** | **40** | **63** | **100** |
| **FR 1.2** | | closing pressure | | bar | 25 | 25 | 25 | 20,6 | 11,3 | 7 | 3,8 | 2,3 | 1,3 |
| | | operating time | | s | 40 | | | | | | 60 | | |
| | | reset time at zero voltage | | s | 28 | | | | | | 35 | | |
| Fig. No. | 12.440 | PN16 | EN-JL1040 | | 1.529,- | 1.534,- | 1.542,- | 1.563,- | 1.620,- | 1.666,- | 1.914,- | 2.346,- | 2.893,- |
| | 23.440 | PN16/25 | EN-JS1049 | | 1.617,- | 1.639,- | 1.641,- | 1.809,- | 1.823,- | 1.905,- | 2.357,- | 2.625,- | 3.542,- |
| **special design** | | | | | **additional performance** | | | | | | | | |
| **nominal diameter** | | | | **DN** | **15** | **20** | **25** | **32** | **40** | **50** | **65** | **80** | **100** |
| Parabolic plug with PTFE-soft seal max. 200 °C | | | | | 183,- | 183,- | 183,- | 183,- | 197,- | 204,- | 275,- | 316,- | 408,- |

## ARI-STEVI® 440 D-FR 1.2

With pressure balanced parabolic plug

| **nominal diameter** | | | | **DN** | | | | | **40** | **50** | **65** | **80** | **100** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Kvs - values** | | | **standard** | | | | | | **25** | **40** | **63** | **100** | **160** |
| | | | **reduced** | | | | | | **16** | **25** | **40** | **63** | **100** |
| **FR 1.2** | | closing pressure | | bar | | | | | 25 | 25 | 25 | 25 | 25 |
| | | operating time | | s | | | | | 40 | | 60 | | |
| | | reset time at zero voltage | | s | | | | | 28 | | 35 | | |
| Fig. No. | 12.440 | PN16 | EN-JL1040 | | | | | | 2.162,- | 2.357,- | 2.904,- | 3.683,- | 4.728,- |
| | 23.440 | PN16/25 | EN-JS1049 | | | | | | 2.360,- | 2.597,- | 3.307,- | 3.965,- | 5.300,- |

Add. performance for special design and accessories of actuators - see page 59

Special flange drillings by agreement (refer to page 204)

# ARI-STEVI® Smart

## Electric actuated control valve with fail-safe function

Body: EN-JL1040 / EN-JS1049
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220 °C
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuator: FR 2.1 with fail-safe function on power failure type approved acc. to DIN EN 14597: actuator spindle extends or retracts on power failure
Supply voltage: 230V 50/60Hz 1~ Protection class: IP 54

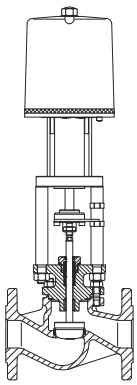


**Fig. ...440**
**FR 2.1**

## ARI-STEVI® 440-FR 2.1

With parabolic plug

| **nominal diameter** | | | | **DN** | **15** | **20** | **25** | **32** | **40** | **50** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Kvs - values** | | | **standard** | | **4** | **6,3** | **10** | **16** | **25** | **40** | | | |
| | | | **reduced** | | **2,5** | **4 / 2,5** | **6,3** | **10** | **16** | **25** | | | |
| **FR 2.1** | | closing pressure | | bar | 18 | 18 | 10,3 | 7,4 | 3,6 | 2 | | | |
| | | operating time | | s | 69 | | | | | | | | |
| | | reset time at zero voltage | | s | 5,5 | | | | | | | | |
| Fig. No. | 12.440 | PN16 | EN-JL1040 | | 1.968,- | 1.973,- | 1.981,- | 2.001,- | 2.056,- | 2.101,- | | | |
| | 23.440 | PN16/25 | EN-JS1049 | | 2.053,- | 2.074,- | 2.076,- | 2.241,- | 2.255,- | 2.336,- | | | |
| **special design** | | | | | **additional performance** | | | | | | | | |
| **nominal diameter** | | | | **DN** | **15** | **20** | **25** | **32** | **40** | **50** | | | |
| Parabol. plug with PTFE-soft seal max. 200 °C | | | | | 183,- | 183,- | 183,- | 183,- | 197,- | 204,- | | | |

## ARI-STEVI® 440 D-FR 2.1

With pressure balanced parabolic plug max. 200°C

| **nominal diameter** | | | | **DN** | | | **25** | **32** | **40** | **50** | **65** | **80** | **100** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Kvs - values** | | | **standard** | | | | **10** | **16** | **25** | **40** | **63** | **100** | **160** |
| | | | **reduced** | | | | **6,3** | **10** | **16** | **25** | **40** | **63** | **100** |
| **FR 2.1** | | closing pressure | | bar | | | 20 | 20 | 20 | 16 | 16 | 16 | 12 |
| | | operating time | | s | | | 69 | | | | 103 | | |
| | | reset time at zero voltage | | s | | | 5,5 | | | | 8,5 | | |
| Fig. No. | 12.440 | PN16 | EN-JL1040 | | | | 2.301,- | 2.428,- | 2.588,- | 2.780,- | 3.317,- | 4.080,- | 5.103,- |
| | 23.440 | PN16/25 | EN-JS1049 | | | | 2.398,- | 2.669,- | 2.783,- | 3.013,- | 3.712,- | 4.355,- | 5.666,- |

Add. performance for special design and accessories of actuators - see page 59

Special flange drillings by agreement (refer to page 204)

# ARI-STEVI® Smart

## Pneumatic actuated control valve in straight through form with screwed sockets ANSI (BSP or NPT)

Body: ASTM SA105
Trim: SA276Gr.420 / E347-16
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuators: ARI-DPsingle acting pneumatic actuators
Action: spring closes / opens the seat on air failure

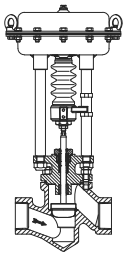


**Fig. ...440 ANSI ARI-DP**

| nominal diameter | | | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | NPS | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
| Kvs - values | | | | | standard | | 3,3 | 5,4 | 8,4 | 12,8 | 20 | 28,4 |
| | | | | | reduced | | 2,5 | 4 | 6,3 | 10 | 16 | 25 |
| DP32 | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,2 | closing press. (bar) | | 5,5 | 5,5 | 2,6 | | | |
| | | 0,4-1,2 | | 1,4 | | | 18,6 | 18,6 | 10,7 | 3,9 | 3,9 | 2,2 |
| | spring opens | | | 1,4 | | | 18,6 | 18,6 | 10,7 | 3,9 | 3,9 | 2,2 |
| | | | | 6 | | | 51,1 | 51,1 | 51,1 | 40 | 40 | 51,1 |
| Fig. No. | 45.440....2 | | ANSI300 | | SA105 | | 1.121,- | 1.132,- | 1.137,- | 1.258,- | 1.268,- | 1.330,- |
| DP33 | spring closes | 0,2-1,0 | air supply press. min. (bar) | 1,2 | closing press. (bar) | | 13,3[c] | 13,3[c] | 7,4[c] | 2,4[c] | 2,4[c] | 1,2[c] |
| | | 0,4-1,2 | | 1,4 | | | 34,2[c] | 34,2[c] | 20,2[c] | 8,1[c] | 8,1[c] | 4,9[c] |
| | spring opens | | | 1,4 | | | 34,2[d] | 34,2[d] | 20,2[d] | 8,1[d] | 8,1[d] | 4,9[d] |
| | | | | 4 | | | 51,1[d] | 51,1[d] | 51,1[d] | 40[d] | 40[d] | 51,1[c] |
| Fig. No. | 45.440....2 | | ANSI300 | | SA105 | | 1.325,- | 1.336,- | 1.340,- | 1.460,- | 1.471,- | 1.532,- |

**Additional performance for further closing pressures.** Action: **spring closes** the seat on air failure

| nominal diameter | | | | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | NPS | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
| Kvs - Werte | | | | | standard | | | 3,3 | 5,4 | 8,4 | 12,8 | 20 | 28,4 |
| | | | | | reduced | | | 2,5 | 4 | 6,3 | 10 | 16 | 25 |
| DP32 | spring range (bar) | 0,8-2,4 | air supply pressure min. (bar) | 2,7 | closing press. | bar | | 44,9 | 44,9 | 26,8 | 11 | 11 | 6,8 |
| | | | | | add. performance | | | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- |
| | | 1,5-2,9 | | 3,2 | closing press. | bar | | 51,1 | 51,1 | 51,1 | 23,5 | 23,5 | 15 |
| | | | | | add. performance | | | 45,- | 45,- | 45,- | 45,- | 45,- | 45,- |
| | | 2,0-3,8 | | 4,1 | closing press. | bar | | | | | 32,5 | 32,5 | 20,8 |
| | | | | | add. performance | | | | | | 155,- | 155,- | 155,- |
| DP33 | | 0,8-2,4 | | 2,7 | closing press. | bar | | 51,1[a] | 51,1[a] | 45,9[a] | 19,5[a] | 19,5[a] | 12,3[a] |
| | | | | | add. performance | | | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- |
| | | 1,7-2,7 | | 3,1 | closing press. | bar | | | | 51,1[a] | 40[a] | 40[a] | 29[a] |
| | | | | | add. performance | | | | | 61,- | 61,- | 61,- | 61,- |
| | | 2,3-3,7 | | 4,5 | closing press. | bar | | | | | | | 40,1 |
| | | | | | add. performance | | | | | | | | 124,- |

| special design | additional performance | | | | | |
|---|---|---|---|---|---|---|
| nominal diameter DN | 15 | 20 | 25 | 32 | 40 | 50 |
| nominal diameter NPS | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
| Stem-/bellows unit Fig. 45.441 | 423,- | 423,- | 474,- | 474,- | 491,- | 491,- |
| Trim SA240Gr.316Ti | 87,- | 108,- | 117,- | 136,- | 172,- | 190,- |
| Parabolic plug with PTFE-soft seal max. 200 °C | 137,- | 137,- | 137,- | 137,- | 148,- | 153,- |
| Isolation plug | without price addition | | | | | |
| Socket weld-ends (Fig. 45.440....3) | without price addition | | | | | |

Additional performance for special design and accessories of actuators - see pages 52 to 55

Air supply pressure max. 6 bar a) 5 bar b) 4,5 bar c) 4 bar d) 3,5 bar e) 3 bar

# ARI-STEVI® Smart

## Electric actuated control valve in straight through form with screwed sockets ANSI (BSP or NPT)

Body: ASTM SA105
Trim: SA276Gr.420 / E347-16
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 50 : 1
Actuators: ARI-PREMIO®

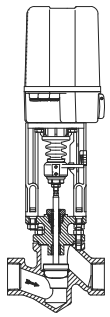


**Fig. ...440 ANSI**
**ARI-PREMIO®**

| **nominal diameter** | | | | **DN** | **15** | **20** | **25** | **32** | **40** | **50** |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | **NPS** | **1/2"** | **3/4"** | **1"** | **1 1/4"** | **1 1/2"** | **2"** |
| **Kvs - values** | | | **standard** | | **3,3** | **5,4** | **8,4** | **12,8** | **20** | **28,4** |
| | | | **reduced** | | **2,5** | **4** | **6,3** | **10** | **16** | **25** |
| **PREMIO® 2,2 kN (230V)** | closing pressure | | | bar | 51,1 | 51,1 | 30,8 | 12,8 | 12,8 | 8 |
| | operating time | | | s | 53 | 53 | 53 | 53 | 53 | 53 |
| Fig. No. 45.440....2 | ANSI300 | SA105 | | | 1.457,- | 1.469,- | 1.474,- | 1.595,- | 1.604,- | 1.666,- |
| **PREMIO® 5 kN (90-264V)** | closing pressure | | | bar | | | 51,1 | 33,2 | 33,2 | 21,3 |
| | operating time | | | s | | | 53 | 53 | 53 | 53 |
| Fig. No. 45.440....2 | ANSI300 | SA105 | | | | | 1.729,- | 1.851,- | 1.860,- | 1.922,- |
| **special design** | | | | | **additional performance** | | | | | |
| **nominal diameter** | | | | **DN** | **15** | **20** | **25** | **32** | **40** | **50** |
| | | | | **NPS** | **1/2"** | **3/4"** | **1"** | **1 1/4"** | **1 1/2"** | **2"** |
| Stem-/bellows unit Fig. 45.441 | | | | | 423,- | 423,- | 474,- | 474,- | 491,- | 491,- |
| Trim SA240Gr.316Ti | | | | | 87,- | 108,- | 117,- | 136,- | 172,- | 190,- |
| Parabol. plug with PTFE-soft seal max. 200 °C | | | | | 137,- | 137,- | 137,- | 137,- | 148,- | 153,- |
| Isolation plug | | | | | without price addition | | | | | |
| Socket weld-ends (Fig. 45.440....3) | | | | | without price addition | | | | | |

Supply voltage, add. performance for special design and accessories of actuators - see page 57

# ARI-STEVI® Smart

## Pneumatic actuated control valve in straight through form

Body: EN-JS1049 / 1.0619+N
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: PTFE-packing -10 ...+250 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 30 : 1

Actuators: ARI-DPsingle acting pneumatic actuators
Action: spring closes / opens the seat on air failure

Closing pressures for standard Kvs-values

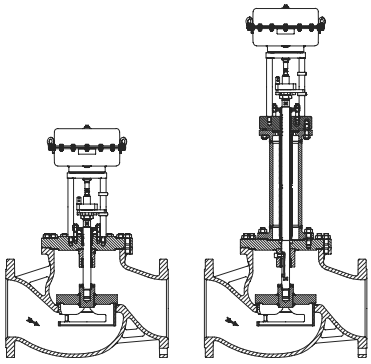


Fig. ...425 Fig. ...426
ARI-DP

| nominal diameter | | | | | | DN | 300 | 350 | 400 | 500 |
|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | standard | | | 1500 | 1800 | 2500 | 4000 |
| | | | | reduced | | | 1000 / 630 | 1500 / 1000 | 1500 / 1800 | 2500 / 1800 |
| DP34 | spring opens | | air supply press. min. (bar) | 2 | closing press. (bar) | | Closing pressures see data sheet only reduced Kvs-values | | | |
| | | | | 4 | | | | | | |
| | | | | 6 | | | | | | |
| Fig. No. | 22.425 | PN16 | | EN-JS1049 | | | on request | | | |
| | 35.425 | PN25/40 | | 1.0619+N | | | on request | | | |
| DP34T | spring opens | | air supply press. min. (bar) | 1,5 | closing press. (bar) | | Closing pressures see data sheet only reduced Kvs-values | | | |
| | | | | 4 | | | | | | |
| | | | | 6 | | | | | | |
| Fig. No. | 22.425 | PN16 | | EN-JS1049 | | | on request | | | |
| | 35.425 | PN25/40 | | 1.0619+N | | | on request | | | |
| DP34Tri | spring closes | 0,4-1,2 | air supply press. min. (bar) | 1,7 | closing press. (bar) | | Closing pressures see data sheet only reduced Kvs-values | | | |
| Fig. No. | 22.425 | PN16 | | EN-JS1049 | | | on request | | | |
| | 35.425 | PN25/40 | | 1.0619+N | | | on request | | | |
| DP35 | spring closes | 1,8 - 3,8 | air supply press. min. (bar) | 4,3 | closing press. (bar) | | 7,8 | 4,3 | 3,6 | 2,2 |
| | spring opens | | | 1,5 | | | Closing pressures see data sheet only reduced Kvs-values | | | |
| | | | | 4 | | | 10 | 6,9 | 5,8 | 3,6 |
| | | | | 6 | | | 17,5 | 12,4 | 10,6 | 6,6 |
| Fig. No. | 22.425 | PN16 | | EN-JS1049 | | | on request | | | |
| | 35.425 | PN25/40 | | 1.0619+N | | | on request | | | |
| special design | | | | | | | add. performance | | | |
| nominal diameter | | | | | | DN | 300 | 350 | 400 | 500 |
| Stem-/bellows unit Fig. 22./35.426 | | | | | | | on request | | | |
| Trim X 6 CrNiMoTi 17-12-2 (1.4571) | | | | | | | | | | |
| Plug with PTFE-soft seal max. 200 °C | | | | | | | | | | |
| Pressure balanced plug max. 200 °C | | | | | | | | | | |
| Hard facing seat and plug | | | | | | | | | | |
| Perforated plug (reduced Kvs-values) | | | | | | | | | | |

**Additional performance for further closing pressures.** Action: **Spring closes** on air failure

| nominal diameter | | | | | | DN | 300 | 350 |
|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | standard | | | | |
| | | | | reduced | | | 1000 / 630 | 1000 |
| DP34 | spring range (bar) | 1,0-2,0 | air supply press. min. (bar) | 2,3 | closing press. | bar | Closing pressures see data sheet. Only reduced Kvs-values<br><br>Prices on request | |
| | | | | | add. performance | | | |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | |
| | | | | | add. performance | | | |
| DP34T | | 1,0-2,0 | | 2,5 | closing press. | bar | | |
| | | | | | add. performance | | | |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | |
| | | | | | add. performance | | | |
| DP34Tri | | 1,0-2,0 | | 2,5 | closing press. | bar | | |
| | | | | | add. performance | | | |
| | | 2,0-4,0 | | 4,5 | closing press. | bar | | |
| | | | | | add. performance | | | |

Additional performance for special design and accessories of actuators - see pages 52 to 55

Air supply pressure:
max. 6 bar (ARI-DP34Tri: 5 bar)

# ARI-STEVI® Smart

## Electric actuated control valve in straight through form

Body: EN-JS1049 / 1.0619+N
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: PTFE-packing -10 ...+250 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: equal percentage or linear
Rangeability: 30 : 1
Actuators: AUMA
Supply voltage: 400 V, 50 Hz 3~ Protection class: IP68
Closing pressures for standard Kvs-values

**Alternative: SCHIEBEL-actuators refer to page 61**

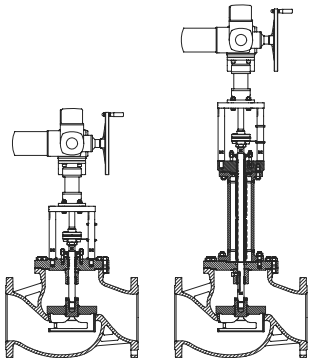


Fig. 425 Fig. 426

AUMA

| nominal diameter | | | | | DN | 300 | 350 | 400 | 500 |
|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | standard | | | 1500 | 1800 | 2500 | 4000 |
| | | | reduced | | | 1000 / 630 | 1500 / 1000 | 1800 / 1500 | 2500 / 1800 |
| AUMA SAR 07.6 with LE25.1 | | closing pressure | shut off | | bar | 2,2 | | | |
| | | | control | | bar | 1,4 | | | |
| | | operating time | | | s | 68 | | | |
| Fig. No. | 22.425 | PN16 | EN-JS1049 [1] | | | on request | | | |
| | 35.425 | PN25/40 | 1.0619+N | | | | | | |
| AUMA SAR 10.2 with LE50.1 | | closing pressure | shut off | | bar | 4,1 | 3 | 2,5 | 1,5 |
| | | | control | | bar | 2,4 | 1,8 | 1,5 | 1 |
| | | operating time | | | s | 56 | 55 | 55 | 55 |
| Fig. No. | 22.425 | PN16 | EN-JS1049 [1] | | | on request | | | |
| | 35.425 | PN25/40 | 1.0619+N | | | on request | | | |
| AUMA SAR 14.2 with LE70.1 | | closing pressure | shut off | | bar | 7,7 | 5,6 | 4,8 | 2,9 |
| | | | control | | bar | 4 | 3 | 2,5 | 1,6 |
| | | operating time | | | s | 70 | 64 | 64 | 64 |
| Fig. No. | 22.425 | PN16 | EN-JS1049 [1] | | | on request | | | |
| | 35.425 | PN25/40 | 1.0619+N | | | on request | | | |
| AUMA SAR 14.6 with LE100.1 | | closing pressure | shut off | | bar | 16,3 | 12 | 10,2 | 6,3 |
| | | | control | | bar | 6,7 | 5 | 4,3 | 2,7 |
| | | operating time | | | s | 70 | 64 | 64 | 64 |
| Fig. No. | 22.425 | PN16 | EN-JS1049 [1] | | | on request | | | |
| | 35.425 | PN25/40 | 1.0619+N | | | on request | | | |
| AUMA SAR 16.2 with LE200.1 | | closing pressure | shut off | | bar | 28,2 | 20,8 | 17,8 | 11,1 |
| | | | control | | bar | 11,5 | 8,5 | 7,3 | 4,6 |
| | | operating time | | | s | 61 | 56 | 56 | 56 |
| Fig. No. | 22.425 | PN16 | EN-JS1049 [1] | | | on request | | | |
| | 35.425 | PN25/40 | 1.0619+N | | | on request | | | |

| special design | additional performance | | | |
|---|---|---|---|---|
| **nominal diameter** **DN** | **300** | **350** | **400** | **500** |
| Stem-/bellows unit Fig. 22./35.426 | on request | | | |
| Trim X 6 CrNiMoTi 17-12-2 (1.4571) | | | | |
| Plug with PTFE-soft seal max. 200 °C | | | | |
| Pressure balanced plug max. 200 °C | | | | |
| Hard facing seat and plug | | | | |
| Perforated plug (reduced Kvs-values) | | | | |

Additional performance for special design and accessories of actuators - see page 60

[1] Only full Kvs. Reductions not available

# ARI-STEVI® Smart

## Pneumatic actuated control valve in 3-way-form as mixing valve

Body: EN-JL1040 / EN-JS1049 / 1.0619+N / 1.4408

Trim: X 20 Cr 13+QT (1.4021+QT) / X 6 CrNiMoTi 17 12 2 (1.4571)

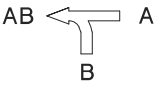
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220°C
further designs up to +450°C acc. to data sheet

Flow characteristic: linear

Rangeability: 30 : 1

Actuators: ARI-DP single acting pneumatic actuators

Action: spring closes port A or B on air failure



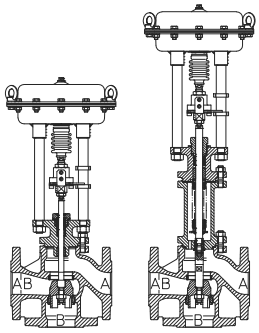



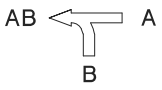

Fig. ...450 Fig. ...451
ARI-DP

| nominal diameter | | | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | standard | | | | 4 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 250 | 320 |
| | | | reduced | | | | 2,5 | 4 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 250 |
| DP32 | spring range (bar) | 0,2-1,0 | air supply pressure (bar) | 1,2 | closing pressure (bar) | | 5,5 | 3,3 | 2,6 | 1,4 | | | | | | | |
| | | 0,4-1,2 | | 1,6 | | | 18,6 | 12,6 | 10,7 | 7,2 | 3,9 | 2,2 | | | | | |
| Fig. No. | 12.450 | PN16 | | EN-JL1040 | | | 1.310,- | 1.331,- | 1.361,- | 1.413,- | 1.487,- | 1.608,- | 1.854,- | 2.163,- | 2.700,- | | |
| | 23.450 | PN16/25 | | EN-JS1049 | | | 1.522,- | 1.525,- | 1.562,- | 1.622,- | 1.704,- | 1.840,- | 2.105,- | 2.451,- | 3.464,- | | |
| | 35.450 | PN25/40 | | 1.0619+N | | | 1.781,- | 1.796,- | 1.928,- | 2.125,- | 2.369,- | 2.687,- | 3.208,- | 3.766,- | 4.560,- | | |
| | 55.450 | PN25/40 | | 1.4408 | | | 2.630,- | 2.840,- | 3.054,- | 3.557,- | 3.716,- | 4.017,- | 5.626,- | 7.732,- | 10.870,- | | |
| DP33 | spring range (bar) | 0,2-1,0 | air supply pressure (bar) | 1,2[3] | closing pressure (bar) | | 13,3[c] | 8,8[c] | 7,4[c] | 4,9[c] | 2,4[c] | 1,2[c] | | | | | |
| | | 0,4-1,2 | | 1,6[3] | | | 34,2[c] | 23,7[c] | 20,2[c] | 14,1[c] | 8,1[c] | 4,9[c] | 2,5 | 1,4 | | | |
| Fig. No. | 12.450 | PN16 | | EN-JL1040 | | | 1.523,- | 1.540,- | 1.568,- | 1.623,- | 1.699,- | 1.820,- | 2.063,- | 2.373,- | 2.908,- | | |
| | 23.450 | PN16/25 | | EN-JS1049 | | | 1.733,- | 1.735,- | 1.773,- | 1.830,- | 1.914,- | 2.053,- | 2.314,- | 2.662,- | 3.676,- | | |
| | 35.450 | PN25/40 | | 1.0619+N | | | 1.989,- | 2.005,- | 2.138,- | 2.334,- | 2.578,- | 2.897,- | 3.418,- | 3.977,- | 4.771,- | | |
| | 55.450 | PN25/40 | | 1.4408 | | | 2.839,- | 3.050,- | 3.263,- | 3.766,- | 3.924,- | 4.230,- | 5.838,- | 7.941,- | 11.081,- | | |
| DP34 | spring range (bar) | 0,2-1,0 | air supply pressure (bar) | 1,2 | closing pressure (bar) | | | | | | | | 2,5[b] | 1,5[b] | | | |
| | | 0,4-1,2 | | 1,6 | | | | | | | | | 7[b] | 4,4[b] | 2,7[b] | 1,8 | 1,2 |
| Fig. No. | 12.450 | PN16 | | EN-JL1040 | | | | | | | | | 2.868,- | 3.178,- | 3.716,- | | |
| | 23.450 | PN16/25 | | EN-JS1049 | | | | | | | | | 3.121,- | 3.468,- | 4.481,- | 6.817,- | 8.137,- |
| | 35.450 | PN25/40 | | 1.0619+N | | | | | | | | | 4.225,- | 4.786,- | 5.579,- | 8.916,- | 10.701,- |
| | 55.450 | PN25/40 | | 1.4408 | | | | | | | | | 6.645,- | 8.747,- | 11.887,- | 14.831,- | 19.165,- |
| DP34 T | spring range (bar) | 0,2-1,0 | air supply pressure (bar) | 1,2 | closing pressure (bar) | | | | | | | | | | [1] | 1,4 | |
| | | 0,4-1,2 | | 1,6 | | | | | | | | | | | | 4,1 | 2,9 |
| Fig. No. | 12.450 | PN16 | | EN-JL1040 | | | | | | | | | | | | | |
| | 23.450 | PN16/25 | | EN-JS1049 | | | | | | | | | | | | 9.377,- | 10.700,- |
| | 35.450 | PN25/40 | | 1.0619+N | | | | | | | | | | | | 11.479,- | 13.260,- |
| | 55.450 | PN25/40 | | 1.4408 | | | | | | | | | | | | 17.394,- | 21.726,- |
| special design | | | | | | | additional performance | | | | | | | | | | |
| nominal diameter | | | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| Stem-/bellows unit Fig. 23./35.451 | | | | | | | 423,- | 423,- | 474,- | 474,- | 491,- | 491,- | 510,- | 557,- | 591,- | 648,- | 704,- |
| Stem-/bellows unit Fig. 55.451 | | | | | | | 1.428,- | 1.428,- | 1.453,- | 1.453,- | 1.488,- | 1.488,- | 1.556,- | 1.576,- | 1.681,- | on request | |
| 2 screwed seat rings [2] | | | | | | | 66,- | 66,- | 68,- | 68,- | 69,- | 75,- | 79,- | 102,- | 129,- | standard | |

## Additional performance for further closing pressures

**Fig. 450/451 as mixing valve - ARI-DP**

Action: Spring closes port A or B on air failure.




| nominal diameter | | | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | standard | | | 4 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 250 | 320 |
| | | | | reduced | | | 2,5 | 4 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 250 |
| DP32 | spring range (bar) | 0,8-2,4 | air supply pressure min. (bar) | 3,2 | closing press. | bar | 40 | 31,4 | 26,8 | 18,8 | 11 | 6,8 | 3,7 | 2,2 | 1,2 | | |
| | | | | | add. performance | | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- | | |
| | | 1,5-2,9 | | 4,4 | closing press. | bar | | 40 | 40 | 39,1 | 23,5 | 15 | | | | | |
| | | | | | add. performance | | | 45,- | 45,- | 45,- | 45,- | 45,- | | | | | |
| | | 2,0-3,8 | | 5,8 | closing press. | bar | | | | 40 | 32,5 | 20,8 | | | | | |
| | | | | | add. performance | | | | | 155,- | 155,- | 155,- | | | | | |
| DP33 | | 0,8-2,4 | | 3,2 | closing press. [3] | bar | 40[a] | 40[a] | 40[a] | 32,5[a] | 19,5[a] | 12,3[a] | 7 | 4,4 | 2,6 | | |
| | | | | | add. performance | | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- | | |
| | | 1,5-3,0 (1,7-2,7) | | 4,5 (4,4) | closing press. | bar | | | | (40[a]) | (40[a]) | (29[a]) | 14,8 | 9,6 | 6 | | |
| | | | | | add. performance | | | | | 61,- | 61,- | 61,- | 61,- | 61,- | 61,- | | |
| | | 2,0-4,0 (2,3-3,7) | | 6,0 (6,0) | closing press. | bar | | | | | | (40) | 20,3 | 13,3 | 8,4 | | |
| | | | | | add. performance | | | | | | | 124,- | 124,- | 124,- | 124,- | | |
| DP34 | | 0,8-2,4 | | 3,2 | closing press. | bar | | | | | | | 16 | 10,4 | 6,5 | 4,5 | 3,2 |
| | | | | | add. performance | | | | | | | | 155,- | 155,- | 155,- | 155,- | 155,- |
| | | 1,5-3,0 (2,1-3,0) | | 4,5 (5,1) | closing press. | bar | | | | | | | (40) | (29,7) | (19) | 9,3 | 6,7 |
| | | | | | add. performance | | | | | | | | 171,- | 171,- | 171,- | 171,- | 171,- |
| | | 2,0-4,0 (2,4-3,6) | | 6,0 (6,0) | closing press. | bar | | | | | | | | (34,2) | (21,9) | 12,7 | 9,2 |
| | | | | | add. performance | | | | | | | | | 474,- | 474,- | 474,- | 474,- |
| DP34T | | 0,8-2,4 | | 3,2 | closing press.[1] | bar | | | | | | | | | | 9,6 | 7 |
| | | | | | add. performance | | | | | | | | | | | 203,- | 203,- |
| | | 1,5-3,0 | | 4,5 | closing press.[1] | bar | | | | | | | | | | 19,1 | 14 |
| | | | | | add. performance | | | | | | | | | | | 344,- | 344,- |
| | | 2,0-4,0 | | 6,0 | closing press.[1] | bar | | | | | | | | | | 26 | 19 |
| | | | | | add. performance | | | | | | | | | | | 951,- | 951,- |

Air supply pressure max. 6 bar a) 5 bar b) 4,5 bar c) 4 bar d) 3,5 bar e) 3 bar

Additional performance for special design and accessories of actuators - see pages 52 to 55

Special flange drillings by agreement (refer to page 204)

[1] DN125 and 150 with PTFE or graphite packing.

[2] Further reduced Kvs-values and higher closing pressures possible with two screwed seat rings. Standard at DN 125-150 and at stainless steel

[3] With action "Spring closes port A-AB on air failure" the air supply pressure max. is 3,5 bar

# ARI-STEVI® Smart

## Pneumatic actuated control valve in 3-way-form as diverting valve

Body: EN-JL1040 / EN-JS1049 / 1.0619+N / 1.4408

Trim: X 20 Cr 13+QT (1.4021+QT) / X 6 CrNiMoTi 17 12 2 (1.4571)

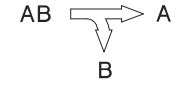
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220 °C
further designs up to +450°C acc. to data sheet

Flow characteristic: linear

Rangeability: 30 : 1

Actuators: ARI-DP single acting pneumatic actuators

Action: spring closes port A or B on air failure



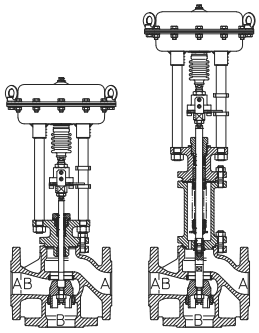



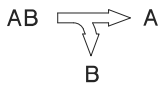

Fig. ...450 Fig. ...451
ARI-DP

| nominal diameter | | | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | standard | | | | 4 | 6,3 | 10 | 16 | 14 | 25 | 45 | 60 | 95 | 170 | 200 |
| | | | reduced | | | | 2,5 | 4 | 6,3 | 10 | | | | | | | |
| DP32 | spring range (bar) | 0,2-1,0 | air supply pressure (bar) | 1,2 | closing pressure (bar) | | 2,7 | 1,6 | 1,3 | | | | | | | | |
| | | 0,4-1,2 | | 1,6 | | | 9,3 | 6,3 | 5,3 | 3,6 | 4,1 | 2,3 | 1,2 | | | | |
| Fig. No. 12.450 | | PN16 | | EN-JL1040 | | | 1.310,- | 1.331,- | 1.361,- | 1.413,- | 1.698,- | 1.913,- | 2.212,- | 2.623,- | 3.277,- | | |
| Fig. No. 23.450 | | PN16/25 | | EN-JS1049 | | | 1.522,- | 1.525,- | 1.562,- | 1.622,- | 1.913,- | 2.146,- | 2.463,- | 2.907,- | 4.038,- | 6.678,- | |
| Fig. No. 35.450 | | PN25/40 | | 1.0619+N | | | 1.781,- | 1.796,- | 1.928,- | 2.125,- | 2.577,- | 2.989,- | 3.565,- | 4.228,- | 5.137,- | 8.777,- | |
| Fig. No. 55.450 | | PN25/40 | | 1.4408 | | | 2.630,- | 2.840,- | 3.054,- | 3.557,- | 3.930,- | 4.332,- | 5.994,- | 8.203,- | 11.462,- | 14.666,- | |
| DP33 | spring range (bar) | 0,2-1,0 | air supply pressure (bar) | 1,2 | closing pressure (bar) | | 6,6[c] | 4,4[c] | 3,7[c] | 2,4[c] | 2,6[c] | 1,3[c] | | | | | |
| | | 0,4-1,2 | | 1,6 | | | 17,1[c] | 11,9[c] | 10,1[c] | 7[c] | 8,5[c] | 5,1[c] | 3,2 | 1,8 | 1,1 | | |
| Fig. No. 12.450 | | PN16 | | EN-JL1040 | | | 1.523,- | 1.540,- | 1.568,- | 1.623,- | 1.908,- | 2.125,- | 2.422,- | 2.834,- | 3.487,- | | |
| Fig. No. 23.450 | | PN16/25 | | EN-JS1049 | | | 1.733,- | 1.735,- | 1.773,- | 1.830,- | 2.125,- | 2.357,- | 2.673,- | 3.119,- | 4.249,- | 6.885,- | 8.599,- |
| Fig. No. 35.450 | | PN25/40 | | 1.0619+N | | | 1.989,- | 2.005,- | 2.138,- | 2.334,- | 2.788,- | 3.202,- | 3.773,- | 4.438,- | 5.348,- | 8.988,- | 11.164,- |
| Fig. No. 55.450 | | PN25/40 | | 1.4408 | | | 2.839,- | 3.050,- | 3.263,- | 3.766,- | 4.138,- | 4.542,- | 6.207,- | 8.412,- | 11.674,- | 14.876,- | 19.587,- |
| DP34 | spring range (bar) | 0,2-1,0 | air supply pressure (bar) | 1,2 | closing pressure (bar) | | | | | | | | 3,2[b] | 1,8[b] | 1,1[b] | | |
| | | 0,4-1,2 | | 1,6 | | | | | | | | | 8,6[b] | 5,3[b] | 3,5[b] | 2,4 | 1,6 |
| Fig. No. 12.450 | | PN16 | | EN-JL1040 | | | | | | | | | 3.227,- | 3.640,- | 4.291,- | | |
| Fig. No. 23.450 | | PN16/25 | | EN-JS1049 | | | | | | | | | 3.482,- | 3.927,- | 5.057,- | 7.692,- | 9.404,- |
| Fig. No. 35.450 | | PN25/40 | | 1.0619+N | | | | | | | | | 4.583,- | 5.242,- | 6.153,- | 9.796,- | 11.968,- |
| Fig. No. 55.450 | | PN25/40 | | 1.4408 | | | | | | | | | 7.012,- | 9.221,- | 12.480,- | 15.683,- | 20.393,- |
| DP34T | spring range (bar) | 0,2-1,0 | air supply pressure (bar) | 1,2 | closing pressure (bar) | | | | | | | | | | [1] | 1,9[b] | 1,2[b] |
| | | 0,4-1,2 | | 1,6 | | | | | | | | | | | | 5,5[b] | 3,7[b] |
| Fig. No. 12.450 | | PN16 | | EN-JL1040 | | | | | | | | | | | | | |
| Fig. No. 23.450 | | PN16/25 | | EN-JS1049 | | | | | | | | | | | | 10.256, | 11.968,- |
| Fig. No. 35.450 | | PN25/40 | | 1.0619+N | | | | | | | | | | | | 12.354,- | 14.528,- |
| Fig. No. 55.450 | | PN25/40 | | 1.4408 | | | | | | | | | | | | 18.246,- | 22.958,- |
| special design | | | | | | | additional performance | | | | | | | | | | |
| nominal diameter | | | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| Stem-/bellows unit Fig. 23./ 35.451 | | | | | | | 423,- | 423,- | 474,- | 474,- | 491,- | 491,- | 510,- | 557,- | 591,- | 648,- | 704,- |
| Stem-/bellows unit Fig. 55.451 | | | | | | | 1.428,- | 1.428,- | 1.453,- | 1.453,- | 1.488,- | 1.488,- | 1.556,- | 1.576,- | 1.681,- | on request | |

## Additional performance for further closing pressures

**Fig. 450/451 as diverting valve - ARI-DP**

Action: Spring closes port A or B on air failure.




| nominal diameter | | | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | standard | | | 4 | 6,3 | 10 | 16 | 14 | 25 | 45 | 60 | 95 | 170 | 200 |
| | | | | reduced | | | 2,5 | 4 | 6,3 | 10 | | | | | | | |
| DP32 | spring range (bar) | 0,8-2,4 | air supply pressure min. (bar) | 3,2 | closing press. | bar | 22,5 | 15,7 | 13,4 | 9,4 | 11,6 | 7,1 | 4,5 | 2,7 | 1,7 | 1,1 | |
| | | | | | add. performance | | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- | 33,- | |
| | | 1,5-2,9 | | 4,4 | closing press. | bar | 40 | 32,1 | 27,5 | 19,6 | 24,5 | 15,4 | | | | | |
| | | | | | add. performance | | | 45,- | 45,- | 45,- | 45,- | 45,- | | | | | |
| | | 2,0-3,8 | | 5,8 | closing press. | bar | | 40 | 37,6 | 26,8 | 33,8 | 21,4 | | | | | |
| | | | | | add. performance | | | | | 155,- | 155,- | 155,- | | | | | |
| DP33 | | 0,8-2,4 | | 3,2 | closing press. [2] | bar | 38[a] | 26,8[a] | 23[a] | 16,3[a] | 20,3[a] | 12,7[a] | 8,5 | 5,2 | 3,5 | 2,4 | 1,6 |
| | | | | | add. performance | | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- |
| | | 1,5-3,0 (1,7-2,7) | | 4,5 (4,4) | closing press. | bar | (40[a]) | (40[a]) | (40[a]) | (37[a]) | (40[a]) | (29,8[a]) | 17,9 | 11,2 | 7,7 | 5,4 | 3,7 |
| | | | | | add. performance | | 61,- | 61,- | 61,- | 61,- | 61,- | 61,- | 61,- | 61,- | 61,- | 61,- | 61,- |
| | | 2,0-4,0 (2,3-3,7) | | 6,0 (6,0) | closing press. | bar | | | | (40) | (40) | (40) | 24,5 | 15,5 | 10,7 | 7,6 | 5,3 |
| | | | | | add. performance | | | | | 124,- | 124,- | 124,- | 124,- | 124,- | 124,- | 124,- | 124,- |
| DP34 | | 0,8-2,4 | | 3,2 | closing press. | bar | | | | | | | 19,3 | 12,2 | 8,3 | 5,9 | 4,1 |
| | | | | | add. performance | | | | | | | | 155,- | 155,- | 155,- | 155,- | 155,- |
| | | 2,1-3,0 | | 5,1 | closing press. | bar | | | | | | | 40 | 34,7 | 24 | 17,4 | 12,2 |
| | | | | | add. performance | | | | | | | | 171,- | 171,- | 171,- | 171,- | 171,- |
| | | 2,4-3,6 | | 6 | closing press. | bar | | | | | | | | 39,9 | 27,6 | 20 | 14,1 |
| | | | | | add. performance | | | | | | | | | 171,- | 171,- | 474,- | 474,- |
| DP34T | | 0,8-2,4 | | 3,2 | closing press.[1] | bar | | | | | | | | | | 12,5 | 8,7 |
| | | | | | add. performance | | | | | | | | | | | 203,- | 203,- |
| | | 2,1-3,0 | | 5,1 | closing press.[1] | bar | | | | | | | | | | 35,4 | 25 |
| | | | | | add. performance | | | | | | | | | | | 371,- | 371,- |
| | | 2,4-3,6 | | 6 | closing press.[1] | bar | | | | | | | | | | 40 | 28,7 |
| | | | | | add. performance | | | | | | | | | | | 951,- | 951,- |

Air supply pressure max. 6 bar a) 5 bar b) 4,5 bar c) 4 bar d) 3,5 bar e) 3 bar

Additional performance for special design and accessories of actuators - see pages 52 to 55

Special flange drillings by agreement (refer to page 204)

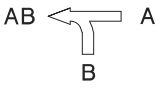
[1] DN125 and 150 with PTFE or graphite packing

[2] With action "Spring closes port B on air failure" the air supply pressure max. is 3,5 bar

# ARI-STEVI® Smart

## Electric actuated control valve in 3-way-form as mixing valve

Body: EN-JL1040 / EN-JS1049 / 1.0619+N / 1.4408
Trim: X 20 Cr 13+QT (1.4021+QT) / X 6 CrNiMoTi 17 12 2 (1.4571)
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: linear
Rangeability: 30 : 1
Actuators: ARI-PREMIO®



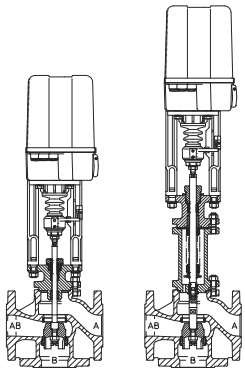




Fig. ...450 Fig. ...451
ARI-PREMIO®

| nominal diameter | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | standard | | 4 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 250 | 320 |
| | | | reduced | | 2,5 | 4 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 250 |
| PREMIO® 2,2 kN (230V) | | closing pressure | | bar | 40 | 35,9 | 30,8 | 21,7 | 12,8 | 8 | 4,3 | 2,7 | 1,5 | | |
| | | operating time | | s | 53 | 53 | 53 | 53 | 53 | 53 | 79 | 79 | 79 | | |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | 1.659,- | 1.676,- | 1.707,- | 1.757,- | 1.834,- | 1.955,- | 2.200,- | 2.509,- | 3.045,- | | |
| | 23.450 | PN16/25 | EN-JS1049 | | 1.866,- | 1.869,- | 1.909,- | 1.968,- | 2.051,- | 2.189,- | 2.452,- | 2.798,- | 3.808,- | | |
| | 35.450 | PN25/40 | 1.0619+N | | 2.127,- | 2.144,- | 2.274,- | 2.472,- | 2.716,- | 3.035,- | 3.554,- | 4.117,- | 4.909,- | | |
| | 55.450 | PN25/40 | 1.4408 | | 2.975,- | 3.186,- | 3.400,- | 3.904,- | 4.059,- | 4.365,- | 5.973,- | 8.076,- | 11.216,- | | |
| PREMIO® 5 kN (90-264V) | | closing pressure | | bar | | 40 | 40 | 40 | 33,2 | 21,3 | 12,3 | 8 | 4,9 | 3,4 | 2,4 |
| | | operating time | | s | | 53 | 53 | 53 | 53 | 53 | 79 | 79 | 79 | 132 | 132 |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | | 1.939,- | 1.965,- | 2.020,- | 2.095,- | 2.218,- | 2.462,- | 2.773,- | 3.310,- | | |
| | 23.450 | PN16/25 | EN-JS1049 | | | 2.132,- | 2.167,- | 2.225,- | 2.312,- | 2.450,- | 2.715,- | 3.060,- | 4.071,- | 6.408,- | 7.731,- |
| | 35.450 | PN25/40 | 1.0619+N | | | 2.404,- | 2.535,- | 2.731,- | 2.976,- | 3.295,- | 3.816,- | 4.375,- | 5.168,- | 8.509,- | 10.291,- |
| | 55.450 | PN25/40 | 1.4408 | | | 3.449,- | 3.661,- | 4.166,- | 4.320,- | 4.628,- | 6.235,- | 8.342,- | 11.482,- | 14.426,- | 18.758,- |
| PREMIO® 12 kN (90-264V) | | closing pressure | | bar | | | | | 40 | 40 | 32,3 | 21,2 | 13,5 | 9,5 | 6,9 |
| | | operating time | | s | | | | | 53 | 53 | 79 | 79 | 79 | 132 | 132 |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | | | | | 2.563,- | 2.686,- | 2.928,- | 3.238,- | 3.772,- | | |
| | 23.450 | PN16/25 | EN-JS1049 | | | | | | 2.780,- | 2.916,- | 3.180,- | 3.527,- | 4.539,- | 6.877,- | 8.197,- |
| | 35.450 | PN25/40 | 1.0619+N | | | | | | 3.444,- | 3.760,- | 4.281,- | 4.842,- | 5.635,- | 8.975,- | 10.760,- |
| | 55.450 | PN25/40 | 1.4408 | | | | | | 4.789,- | 5.095,- | 6.752,- | 8.808,- | 11.946,- | 14.891,- | 19.225,- |
| PREMIO® 15 kN (90-264V) | | closing pressure | | bar | | | | | | | 40 | 26,9 | 17,2 | 12,1 | 8,8 |
| | | operating time | | s | | | | | | | 79 | 79 | 79 | 132 | 132 |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | | | | | | | 3.117,- | 3.428,- | 3.966,- | | |
| | 23.450 | PN16/25 | EN-JS1049 | | | | | | | | 3.370,- | 3.714,- | 4.729,- | 7.064,- | 8.386,- |
| | 35.450 | PN25/40 | 1.0619+N | | | | | | | | 4.470,- | 5.031,- | 5.824,- | 9.164,- | 10.946,- |
| | 55.450 | PN25/40 | 1.4408 | | | | | | | | 6.893,- | 8.997,- | 12.135,- | 15.080,- | 19.413,- |
| PREMIO® 25 kN (90-264V) | | closing pressure | | bar | | | | | | | | | | 20,8 | 15,2 |
| | | operating time | | s | | | | | | | | | | 132 | 132 |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | | | | | | | | | | | |
| | 23.450 | PN16/25 | EN-JS1049 | | | | | | | | | | | 7.826,- | 9.149,- |
| | 35.450 | PN25/40 | 1.0619+N | | | | | | | | | | | 9.926,- | 11.708,- |
| | 55.450 | PN25/40 | 1.4408 | | | | | | | | | | | 15.870,- | 20.175,- |

| special design | | additional performance | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| nominal diameter | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| Stem-/bellows unit Fig. 23./35.451 | | 423,- | 423,- | 474,- | 474,- | 491,- | 491,- | 510,- | 557,- | 591,- | 648,- | 704,- |
| Stem-/bellows unit Fig. 55.451 | | 1.428,- | 1.428,- | 1.453,- | 1.453,- | 1.488,- | 1.488,- | 1.556,- | 1.576,- | 1.681,- | on request | |
| 2 screwed seat rings [1] | | 66,- | 66,- | 68,- | 68,- | 69,- | 75,- | 79,- | 102,- | 129,- | standard | |

Supply voltage, add. performance for special design and accessories of actuators - see page 57

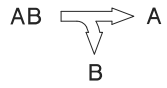
Special flange drillings by agreement (refer to page 204)

[1] Further reduced Kvs-values and higher closing pressures possible with two screwed seat rings.
Standard at DN 125-150 and at stainless steel DN15-100.

# ARI-STEVI® Smart

## Electric actuated control valve in 3-way-form as diverting valve

Body: EN-JL1040 / EN-JS1049 / 1.0619+N / 1.4408
Trim: X 20 Cr 13+QT (1.4021+QT) / X 6 CrNiMoTi 17 12 2 (1.4571)
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: linear
Rangeability: 30 : 1
Actuators: ARI-PREMIO®



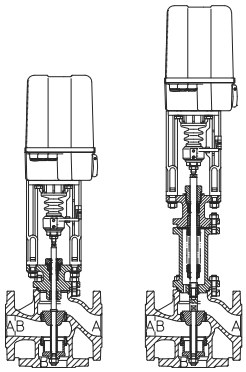




Fig. ...450 Fig. ...451
ARI-PREMIO®

| nominal diameter | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - value | | | standard | | 4 | 6,3 | 10 | 16 | 14 | 25 | 45 | 60 | 95 | 170 | 200 |
| | | | reduced | | 2,5 | 4 | 6,3 | 10 | | | | | | | |
| PREMIO® 2,2 kN (230V) | | closing pressure | | bar | 25,7 | 18 | 15,4 | 10,8 | 13,4 | 8,2 | 5,4 | 3,2 | 2 | 1,3 | |
| | | operating time | | s | 53 | 53 | 53 | 53 | 53 | 53 | 79 | 79 | 79 | 79 | |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | 1.659,- | 1.676,- | 1.707,- | 1.757,- | 2.046,- | 2.259,- | 2.559,- | 2.968,- | 3.623,- | | |
| | 23.450 | PN16/25 | EN-JS1049 | | 1.866,- | 1.869,- | 1.909,- | 1.969,- | 2.259,- | 2.492,- | 2.810,- | 3.257,- | 4.386,- | 7.026,- | |
| | 35.450 | PN25/40 | 1.0619+N | | 2.127,- | 2.144,- | 2.274,- | 2.472,- | 2.926,- | 3.336,- | 3.912,- | 4.572,- | 5.484,- | 9.124,- | |
| | 55.450 | PN25/40 | 1.4408 | | 2.975,- | 3.186,- | 3.400,- | 3.904,- | 4.275,- | 4.677,- | 6.341,- | 8.549,- | 11.810,- | 15.016,- | |
| PREMIO® 5 kN (90-264V) | | closing pressure | | bar | 40 | 40 | 38,5 | 27,4 | 34,6 | 21,9 | 15 | 9,4 | 6,4 | 4,5 | 3,1 |
| | | operating time | | s | 53 | 53 | 53 | 53 | 53 | 53 | 79 | 79 | 79 | 79 | 79 |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | 1.921,- | 1.939,- | 1.965,- | 2.020,- | 2.305,- | 2.521,- | 2.819,- | 3.227,- | 3.883,- | | |
| | 23.450 | PN16/25 | EN-JS1049 | | 2.130,- | 2.132,- | 2.167,- | 2.225,- | 2.521,- | 2.752,- | 3.072,- | 3.515,- | 4.644,- | 7.288,- | 9.001,- |
| | 35.450 | PN25/40 | 1.0619+N | | 2.388,- | 2.404,- | 2.535,- | 2.731,- | 3.183,- | 3.597,- | 4.171,- | 4.835,- | 5.745,- | 9.386,- | 11.561,- |
| | 55.450 | PN25/40 | 1.4408 | | 3.238,- | 3.449,- | 3.661,- | 4.166,- | 4.539,- | 4.941,- | 6.602,- | 8.811,- | 12.072,- | 15.278,- | 19.989,- |
| PREMIO® 12 kN (90-264V) | | closing pressure | | bar | | | 40 | 40 | 40 | 40 | 38,9 | 24,8 | 17,1 | 12,3 | 8,6 |
| | | operating time | | s | | | 53 | 53 | 53 | 53 | 79 | 79 | 79 | 79 | 79 |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | | | 2.434,- | 2.487,- | 2.773,- | 2.987,- | 3.283,- | 3.693,- | 4.348,- | | |
| | 23.450 | PN16/25 | EN-JS1049 | | | | 2.638,- | 2.698,- | 2.987,- | 3.221,- | 3.539,- | 3.983,- | 5.111,- | 7.752,- | 9.468,- |
| | 35.450 | PN25/40 | 1.0619+N | | | | 3.004,- | 3.202,- | 3.652,- | 4.065,- | 4.640,- | 5.299,- | 6.212,- | 9.852,- | 12.024,- |
| | 55.450 | PN25/40 | 1.4408 | | | | 4.130,- | 4.634,- | 5.004,- | 5.405,- | 7.072,- | 9.278,- | 12.540,- | 15.744,- | 20.454,- |
| PREMIO® 15 kN (90-264V) | | closing pressure | | bar | | | | | | | 40 | 31,4 | 21,7 | 15,7 | 11 |
| | | operating time | | s | | | | | | | 79 | 79 | 79 | 79 | 79 |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | | | | | | | 3.476,- | 3.885,- | 4.541,- | | |
| | 23.450 | PN16/25 | EN-JS1049 | | | | | | | | 3.729,- | 4.171,- | 5.301,- | 7.943,- | 9.654,- |
| | 35.450 | PN25/40 | 1.0619+N | | | | | | | | 4.829,- | 5.491,- | 6.401,- | 10.041,- | 12.214,- |
| | 55.450 | PN25/40 | 1.4408 | | | | | | | | 7.224,- | 9.465,- | 12.725,- | 15.932,- | 20.644,- |
| PREMIO® 25 kN (90-264V) | | closing pressure | | bar | | | | | | | | | | 26,9 | 19 |
| | | operating time | | s | | | | | | | | | | 79 | 79 |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | | | | | | | | | | | |
| | 23.450 | PN16/25 | EN-JS1049 | | | | | | | | | | | 8.705,- | 10.416,- |
| | 35.450 | PN25/40 | 1.0619+N | | | | | | | | | | | 10.803,- | 12.976,- |
| | 55.450 | PN25/40 | 1.4408 | | | | | | | | | | | 16.694,- | 21.406,- |
| special design | | | | | additional performance | | | | | | | | | | |
| nominal diameter | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| Stem-/bellows unit Fig. 23./35.451 | | | | | 423,- | 423,- | 474,- | 474,- | 491,- | 491,- | 510,- | 557,- | 591,- | 648,- | 704,- |
| Stem-/bellows unit Fig. 55.451 | | | | | 1.428,- | 1.428,- | 1.453,- | 1.453,- | 1.488,- | 1.488,- | 1.556,- | 1.576,- | 1.681,- | on request | |

Supply voltage, add. performance for special design and accessories of actuators - see page 57

Special flange drillings by agreement (refer to page 204)

# ARI-STEVI® Smart

## Electric actuated control valve in 3-way-form as mixing valve

Body: EN-JL1040 / EN-JS1049 / 1.0619+N / 1.4408

Trim: X 20 Cr 13+QT (1.4021+QT) / X 6 CrNiMoTi 17 12 2 (1.4571)

Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220 °C
further designs up to +450°C acc. to data sheet

Flow characteristic: linear

Rangeability: 30 : 1

Actuators: AUMA

Supply voltage: 400V 50Hz 3~ Protection class: IP68

**Alternative: SCHIEBEL-actuators refer to page 61**

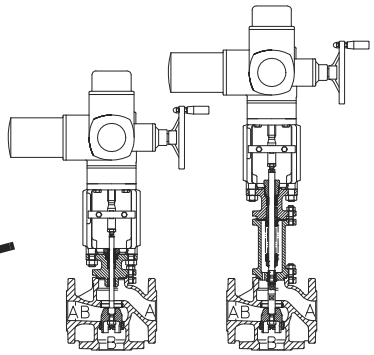




Fig. ...450 Fig. ...451

AUMA

| nominal diameter | | | | DN | | | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | standard | | | | | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 250 | 320 |
| | | reduced | | | | | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 250 |
| AUMA SAR 07.2 | | closing pressure | shut off | bar | | | 40 | 40 | 40 | 40 | 40 | 29,7 | 19 | 13,4 | 9,7 |
| | | | control | bar | | | 40 | 40 | 40 | 36,5 | 21,4 | 14 | 8,8 | 6,1 | 4,4 |
| | | operating time | | s | | | 54 | 54 | 54 | 54 | 56 | 56 | 56 | 94 | 94 |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | | | 4.506,- | 4.555,- | 4.622,- | 4.745,- | 4.989,- | 5.298,- | 5.836,- | | |
| | 23.450 | PN16/25 | EN-JS1049 | | | | 4.707,- | 4.767,- | 4.840,- | 4.980,- | 5.242,- | 5.588,- | 6.597,- | 8.937,- | 10.257,- |
| | 35.450 | PN25/40 | 1.0619+N | | | | 5.073,- | 5.271,- | 5.505,- | 5.821,- | 6.340,- | 6.902,- | 7.698,- | 11.036,- | 12.819,- |
| | 55.450 | PN25/40 | 1.4408 | | | | 6.199,- | 6.702,- | 6.850,- | 7.156,- | 8.763,- | 10.870,- | 14.007,- | 16.952,- | 21.286,- |
| AUMA SAR 07.6 | | closing pressure | shut off | bar | | | | | | 40 | 40 | 40 | 26,9 | 18,9 | 13,8 |
| | | | control | bar | | | | | | 40 | 30,5 | 20 | 12,8 | 8,9 | 6,5 |
| | | operating time | | s | | | | | | 43 | 64 | 64 | 64 | 55 | 55 |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | | | | | | 4.874,- | 5.117,- | 5.425,- | 5.961,- | | |
| | 23.450 | PN16/25 | EN-JS1049 | | | | | | | 5.105,- | 5.368,- | 5.716,- | 6.724,- | 9.064,- | 10.385,- |
| | 35.450 | PN25/40 | 1.0619+N | | | | | | | 5.951,- | 6.467,- | 7.030,- | 7.822,- | 11.164,- | 12.946,- |
| | 55.450 | PN25/40 | 1.4408 | | | | | | | 7.284,- | 8.893,- | 10.993,- | 14.136,- | 17.080,- | 21.410,- |
| AUMA SAR10.2 | | closing pressure | shut off | bar | | | | | | | 40 | 40 | 31,6 | 32,3 | 23,7 |
| | | | control | bar | | | | | | | 40 | 40 | 26,9 | 18,9 | 13,8 |
| | | operating time | | s | | | | | | | 64 | 64 | 64 | 55 | 55 |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | | | | | | | | | | | |
| | 22.450 | PN16/25 | EN-JS1049 | | | | | | | | | | | 9.919,- | 11.214,- |
| | 35.450 | PN25/40 | 1.0619+N | | | | | | | | | | | 12.242,- | 14.026,- |
| | 55.450 | PN25/40 | 1.4408 | | | | | | | | | | | 18.159,- | 22.492,- |
| AUMA SAR14.2 | | closing pressure [1] | shut off | bar | | | | | | | | | | 40 | 40 |
| | | | control | bar | | | | | | | | | | 31,3 | 22,9 |
| | | operating time | | s | | | | | | | | | | 63 | 63 |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | | | | | | | | | | | |
| | 22.450 | PN16/25 | EN-JS1049 | | | | | | | | | | | 12.330,- | 13.628,- |
| | 35.450 | PN25/40 | 1.0619+N | | | | | | | | | | | 14.657,- | 16.441,- |
| | 55.450 | PN25/40 | 1.4408 | | | | | | | | | | | 20.573,- | 24.905,- |

| special design | | | | | | additional performance | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| nominal diameter | DN | | | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| Stem-/bellows unit Fig. 23./35.451 | | | | 474,- | 474,- | 491,- | 491,- | 510,- | 557,- | 591,- | 648,- | 704,- |
| Stem-/bellows unit Fig. 55.451 | | | | 1.453,- | 1.453,- | 1.488,- | 1.488,- | 1.556,- | 1.576,- | 1.681,- | on request | |
| 2 screwed seat rings [2] | | | | 68,- | 68,- | 69,- | 75,- | 79,- | 102,- | 129,- | standard | |

Add. performance for special design and accessories of actuators - see page 60

Special flange drillings by agreement (refer to page 204)

[1] DN125 and 150 with PTFE or graphite packing.

[2] Further reduced Kvs-values and higher closing pressures possible with two screwed seat rings. Standard at DN 125-150 and at stainless steel DN15-100.

# ARI-STEVI® Smart

## Electric actuated control valve in 3-way-form as diverting valve

Body: EN-JL1040 / EN-JS1049 / 1.0619+N / 1.4408
Trim: X 20 Cr 13+QT (1.4021+QT) / X 6 CrNiMoTi 17 12 2 (1.4571)
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+220 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: linear
Rangeability: 30 : 1
Actuators: AUMA
Supply voltage: 400V 50Hz 3~ Protection class: IP68

Alternative: SCHIEBEL-actuators refer to page 61

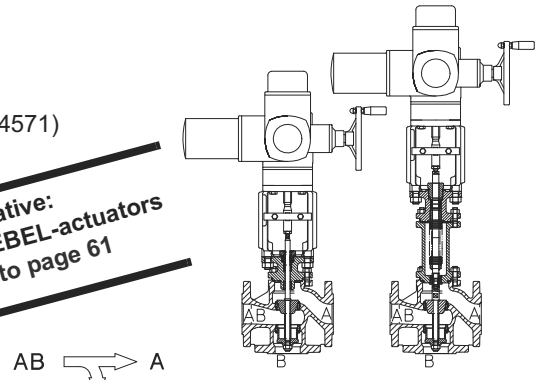



Fig. ...450 Fig. ...451

AUMA

| nominal diameter | | | | DN | | | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | standard | | | | | 10 | 16 | 14 | 25 | 45 | 60 | 95 | 170 | 200 |
| | | | | | | | 6,3 | 10 | | | | | | | |
| AUMA SAR 07.2 | | closing pressure | shut off | bar | | | 40 | 40 | 40 | 40 | 40 | 34,7 | 24 | 17,4 | 12,2 |
| | | | control | bar | | | 40 | 40 | 40 | 37,6 | 25,8 | 16,4 | 11,2 | 8 | 5,6 |
| | | operating time | | s | | | 54 | 54 | 54 | 54 | 56 | 56 | 56 | 56 | 56 |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | | | 4.506,- | 4.555,- | 4.833,- | 5.047,- | 5.345,- | 5.757,- | 6.411,- | | |
| | 23.450 | PN16/25 | EN-JS1049 | | | | 4.707,- | 4.767,- | 5.047,- | 5.282,- | 5.599,- | 6.043,- | 7.172,- | 9.813,- | 11.471,- |
| | 35.450 | PN25/40 | 1.0619+N | | | | 5.073,- | 5.271,- | 5.713,- | 6.136,- | 6.698,- | 7.363,- | 8.271,- | 11.912,- | 14.088,- |
| | 55.450 | PN25/40 | 1.4408 | | | | 6.199,- | 6.702,- | 7.066,- | 7.465,- | 9.133,- | 11.339,- | 14.600,- | 17.804,- | 22.517,- |
| AUMA SAR 07.6 | | closing pressure | shut off | bar | | | | | | 40 | 40 | 40 | 33,9 | 24,6 | 17,3 |
| | | | control | bar | | | | | | 40 | 36,8 | 23,4 | 16,2 | 11,6 | 8,1 |
| | | operating time | | s | | | | | | 43 | 64 | 64 | 64 | 64 | 64 |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | | | | | | 5.176,- | 5.475,- | 5.884,- | 6.540,- | | |
| | 23.450 | PN16/25 | EN-JS1049 | | | | | | | 5.408,- | 5.727,- | 6.170,- | 7.300,- | 9.942,- | 11.655,- |
| | 35.450 | PN25/40 | 1.0619+N | | | | | | | 6.253,- | 6.825,- | 7.490,- | 8.401,- | 12.038,- | 14.214,- |
| | 55.450 | PN25/40 | 1.4408 | | | | | | | 7.595,- | 9.259,- | 11.466,- | 14.726,- | 17.939,- | 22.643,- |
| AUMA SAR10.2 | | closing pressure | shut off | bar | | | | | | | 40 | 40 | 39,8 | 40 | 29,5 |
| | | | control | bar | | | | | | | 40 | 40 | 33,9 | 24,6 | 17,3 |
| | | operating time | | s | | | | | | | 64 | 64 | 64 | 64 | 64 |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | | | | | | | | | | | |
| | 22.450 | PN16/25 | EN-JS1049 | | | | | | | | | | | 10.792,- | 12.486,- |
| | 35.450 | PN25/40 | 1.0619+N | | | | | | | | | | | 13.120,- | 15.293,- |
| | 55.450 | PN25/40 | 1.4408 | | | | | | | | | | | 19.011,- | 23.721,- |
| AUMA SAR14.2 | | closing pressure [1] | shut off | bar | | | | | | | | | | 40 | 40 |
| | | | control | bar | | | | | | | | | | 40 | 28,6 |
| | | operating time | | s | | | | | | | | | | 38 | 38 |
| Fig. No. | 12.450 | PN16 | EN-JL1040 | | | | | | | | | | | | |
| | 22.450 | PN16/25 | EN-JS1049 | | | | | | | | | | | 13.204,- | 14.899,- |
| | 35.450 | PN25/40 | 1.0619+N | | | | | | | | | | | 15.533,- | 17.709,- |
| | 55.450 | PN25/40 | 1.4408 | | | | | | | | | | | 21.425,- | 26.136,- |
| special design | | | | | | | additional performance | | | | | | | | |
| nominal diameter | | | | DN | | | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| Stem-/bellows unit Fig. 23./35.451 | | | | | | | 474,- | 474,- | 491,- | 491,- | 510,- | 557,- | 591,- | 648,- | 704,- |
| Stem-/bellows unit Fig. 55.451 | | | | | | | 1.453,- | 1.453,- | 1.488,- | 1.488,- | 1.556,- | 1.576,- | 1.681,- | on request | |

Add. performance for special design and accessories of actuators - see page 60

Special flange drillings by agreement (refer to page 204)

[1] DN125 and 150 with PTFE or graphite packing

# ARI-STEVI® Smart

## Pneumatic actuated control valve in 3-way-form as mixing / diverting valve

Body: EN-JL1040 / EN-JS1049 / 1.0619+N
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: PTFE-packing -10 ...+250 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: linear
Rangeability: 30 : 1
Actuators: ARI-DP single acting pneumatic actuators
Action: spring closes port A or B on air failure
Closing pressures for standard Kvs-values

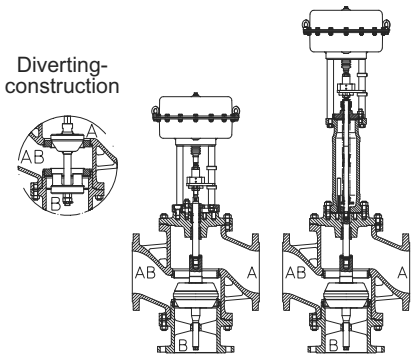


Fig. ...423 Fig. ...463
ARI-DP

| nominal diameter | | | | | | DN | Mixing valve AB ⇐ A, B | | | Diverting valve AB ⇒ A, B | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 200 | 250 | | 200 | 250 |
| Kvs - values | | | standard | | | | 630 | 1000 | | 355 | 560 |
| | | | reduced | | | | 400 | 630 | | 212 | 355 |
| DP34 | spring range (bar) | 0,4-1,2 | air supply pressure (bar) | 1,6 | closing pressure (bar) | | | | | | |
| Fig. No. 12.423 | | PN16 | | EN-JL1040 | | | 8.982,- | 13.352,- | | 11.186,- | 16.787,- |
| Fig. No. 22.423 | | PN16 | | EN-JS1049 | | | 11.169,- | 16.850,- | | 13.370,- | 20.287,- |
| Fig. No. 35.423 | | PN25/40 | | 1.0619+N | | | 16.603,- | 25.535,- | | 18.802,- | 28.970,- |
| DP 34T | spring range (bar) | 0,4-1,2 | air supply pressure (bar) | 1,6 | closing pressure (bar) | | 1,3[d] | | | 2,5[d] | 1,7[d] |
| Fig. No. 12.423 | | PN16 | | EN-JL1040 | | | 11.541,- | 15.914,- | | 13.744,- | 19.349,- |
| Fig. No. 22.423 | | PN16 | | EN-JS1049 | | | 13.730,- | 19.409,- | | 15.930,- | 22.844,- |
| Fig. No. 35.423 | | PN25/40 | | 1.0619+N | | | 19.160,- | 28.095,- | | 21.361,- | 31.530,- |

**additional performance for further closing pressures**

| nominal diameter | | | | | | | DN | 200 | 250 | | 200 | 250 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | standard | | | | 630 | 1000 | | 355 | 560 |
| | | | | reduced | | | | 400 | 630 | | 212 | 355 |
| DP34 | spring range (bar) | 1,0-2,0 (0,8-2,4) | air supply pressure min. (bar) | 3,2 (3,2) | closing press. | bar | | 1,8 | 1,1 | | (2,5) | 2,3 |
| | | | | | add. performance | | | 155,- | 155,- | | 155,- | 155,- |
| | | 1,5-3,0 | | 4,5 | closing press. | bar | | -- | -- | | 5,6 | -- |
| | | | | | add. performance | | | -- | -- | | 171,- | -- |
| | | 2,0-4,0 | | 6,0 | closing press. | bar | | 4,3 | 2,6 | | 7,8 | 5,3 |
| | | | | | add. performance | | | 820,- | 820,- | | 820,- | 820,- |
| DP34T | | 1,0-2,0 (0,8-2,4) | | 3,2 (3,2) | closing press. | bar | | 4,3[a] | 2,6[a] | | (6) | 5,3[a] |
| | | | | | add. performance | | | 310,- | 310,- | | 310,- | 310,- |
| | | 1,5-3,0 | | 4,5 | closing press. | bar | | -- | -- | | 12,2 | -- |
| | | | | | add. performance | | | -- | -- | | 171,- | -- |
| | | 2,0-4,0 | | 6,0 | closing press. | bar | | 9,2 | 5,8 | | 16,6 | 11,5 |
| | | | | | add. performance | | | 1.638,- | 1.638,- | | 1.638,- | 1.638,- |
| special design | | | | | | | | additional performance | | | additional performance | |
| nominal diameter | | | | | | | DN | 200 | 250 | | 200 | 250 |
| Stem-/bellows unit Fig. 22./35.463 | | | | | | | | 1.182,- | 2.095,- | | 1.182,- | 2.095,- |

Air supply pressure max. 6 bar a) 5 bar b) 4,5 bar c) 4 bar d) 3,5 bar e) 3 bar

Additional performance for special design and accessories of actuators - see pages 52 to 55

**Larger nominal diameters on page 47**

Special flange drillings by agreement (refer to page 204)

# ARI-STEVI® Smart

## Pneumatic actuated control valve in 3-way-form as mixing valve

Body: EN-JS1049
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: PTFE packing -10 ...+250 °C
further designs up to +350°C acc. to data sheet
Flow characteristic: linear
Rangeability: 30 : 1
Actuators: ARI-DP single acting pneumatic actuators
Action: spring closes port A or B on air failure

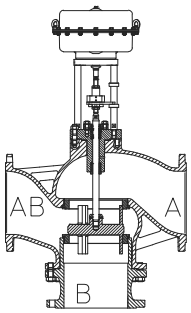



**Fig. 423**
**ARI-DP**
DN300

| nominal diameter | | | | | | DN | Mixing valve AB ⇐ A, B |
|---|---|---|---|---|---|---|---|
| | | | | | | | 300 |
| Kvs - values | | standard | | | | | 1500 |
| | | reduced | | | | 1000 | |
| DP34 | spring range (bar) | 1,0-2,0 | air supply pressure (bar) | 3,0 | closing pressure (bar) | 1,1 | |
| Fig. No. 22.423 | | PN16 | | EN-JS1049 | | on request | |
| DP34 | spring range (bar) | 2,0-4,0 | air supply pressure (bar) | 6,0 | closing pressure (bar) | 2,6 | |
| Fig. No. 22.423 | | PN16 | | EN-JS1049 | | on request | |
| DP34 T | spring range (bar) | 0,55-2,40 | air supply pressure (bar) | 3,0 | closing pressure (bar) | | 1,2 |
| Fig. No. 22.423 | | PN16 | | EN-JS1049 | | | on request |
| DP34 T | spring range (bar) | 1,0-2,0 | air supply pressure (bar) | 3,0 | closing pressure (bar) | 2,6 a) | |
| Fig. No. 22.423 | | PN16 | | EN-JS1049 | | on request | |
| DP34 T | spring range (bar) | 2,0-4,0 | air supply pressure (bar) | 6,0 | closing pressure (bar) | 5,8 | |
| Fig. No. 22.423 | | PN16 | | EN-JS1049 | | on request | |
| DP35 | spring range (bar) | 2,3-3,6 | air supply pressure (bar) | 5,9 | closing pressure (bar) | 13 | 12,4 |
| Fig. No. 22.423 | | PN16 | | EN-JS1049 | | on request | |

Air supply pressure max. 6 bar a) 5 bar b) 4,5 bar c) 4 bar d) 3,5 bar e) 3 bar

Additional performance for special design and accessories of actuators - see pages 52 to 55

# ARI-STEVI® Smart

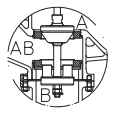
## Electric actuated control valve in 3-way-form as mixing / diverting valve

Body: EN-JL1040 / EN-JS1049 / 1.0619+N
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: PTFE-packing -10 ...+250 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: linear
Rangeability: 30 : 1

Actuators: ARI-PREMIO®

Actuators: AUMA
Supply voltage: 400V 50Hz 3~ Protection class: IP68

Diverting-construction



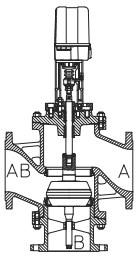




**Fig. 423**
**ARI-PREMIO®**
DN200-250

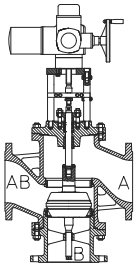



**Fig. 423**
**AUMA**
DN200-250

**Alternative: SCHIEBEL-actuators refer to page 61**

Closing pressures for standard Kvs-values

| nominal diameter | | | | DN | Mixing valve AB ⇐ A, B | | Diverting valve AB ⇒ A, B | |
|---|---|---|---|---|---|---|---|---|
| | | | | | 200 | 250 | 200 | 250 |
| Kvs - values | | standard | | | 630 | 1000 | 355 | 560 |
| | | reduced | | | 400 | 630 | 212 | 355 |
| PREMIO® 12 kN (90-264V) | | closing pressure | | bar | 3,1 | 1,9 | 5,7 | 3,9 |
| | | operating time | | s | 171 | 171 | 132 | 171 |
| Fig. No. | 12.423 | PN16 | EN-JL1040 | | 9.042,- | 13.411,- | 11.245,- | 16.847,- |
| | 22.423 | PN16 | EN-JS1049 | | 11.227,- | 16.907,- | 13.431,- | 20.344,- |
| | 35.423 | PN25/40 | 1.0619+N | | 16.662,- | 25.594,- | 18.861,- | 29.028,- |
| PREMIO® 15 kN (90-264V) | | closing pressure | | bar | 4 | 2,5 | 7,4 | 5,1 |
| | | operating time | | s | 171 | 171 | 132 | 171 |
| Fig. No. | 12.423 | PN16 | EN-JL1040 | | 9.228,- | 13.601,- | 11.432,- | 17.037,- |
| | 22.423 | PN16 | EN-JS1049 | | 11.418,- | 17.098,- | 13.619,- | 20.533,- |
| | 35.423 | PN25/40 | 1.0619+N | | 16.849,- | 25.783,- | 19.050,- | 29.219,- |
| PREMIO® 25 kN (90-264V) | | closing pressure | | bar | 7,2 | 4,5 | 13,0 | 9,0 |
| | | operating time | | s | 171 | 171 | 132 | 171 |
| Fig. No. | 12.423 | PN16 | EN-JL1040 | | 9.990,- | 14.363,- | 12.194,- | 17.799,- |
| | 22.423 | PN16 | EN-JS1049 | | 12.180,- | 17.860,- | 14.381,- | 21.295,- |
| | 35.423 | PN25/40 | 1.0619+N | | 17.611,- | 26.545,- | 19.812,- | 29.981,- |
| AUMA SAR 07.6 | | closing pressure | shut off | bar | 6,6 | 4,1 | 11,9 | 8,2 |
| | | | control | bar | 2,9 | 1,8 | 5,5 | 3,7 |
| | | operating time | | s | 71 | 71 | 55 | 71 |
| Fig. No. | 12.423 | PN16 | EN-JL1040 | | 11.230,- | 15.599,- | 13.431,- | 19.036,- |
| | 22.423 | PN16 | EN-JS1049 | | 13.417,- | 19.094,- | 15.618,- | 22.530,- |
| | 35.423 | PN25/40 | 1.0619+N | | 18.844,- | 27.783,- | 21.051,- | 31.218,- |
| AUMA SAR 10.2 | | closing pressure | shut off | bar | 13,9 | 8,8 | 24,8 | 17,2 |
| | | | control | bar | 6,6 | 4,1 | 11,9 | 8,2 |
| | | operating time | | s | 71 | 71 | 55 | 71 |
| Fig. No. | 12.423 | PN16 | EN-JL1040 | | 12.307,- | 16.679,- | 14.511,- | 20.114,- |
| | 22.423 | PN16 | EN-JS1049 | | 14.494,- | 20.176,- | 16.698,- | 23.610,- |
| | 35.423 | PN25/40 | 1.0619+N | | 19.928,- | 28.863,- | 22.130,- | 32.296,- |
| AUMA SAR 14.2 | | closing pressure | shut off | bar | 23,9 | 15,3 | 40 | 29,6 |
| | | | control | bar | 11,1 | 7,1 | 20 | 13,8 |
| | | operating time | | s | 59 | 59 | 63 | 59 |
| Fig. No. | 12.423 | PN16 | EN-JL1040 | | 14.726,- | 19.093,- | 16.926,- | 22.531,- |
| | 22.423 | PN16 | EN-JS1049 | | 16.908,- | 22.590,- | 19.114,- | 26.025,- |
| | 35.423 | PN25/40 | 1.0619+N | | 22.341,- | 31.277,- | 24.512,- | 34.711,- |
| special design | | | | | additional performance | | additional performance | |
| nominal diameter | | | | DN | 200 | 250 | 200 | 250 |
| Stem-/bellows unit Fig. 22./35.463 | | | | | 1.182,- | 2.095,- | 1.182,- | 2.095,- |

Supply voltage, add. performance for special design and accessories of actuators - see pages 57 and 60
Special flange drillings by agreement (refer to page 204)

**Larger nominal diameters on page 49**

# ARI-STEVI® Smart

## Electric actuated control valve in 3-way-form as mixing valve

Body: EN-JS1049
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: PTFE packing -10 ...+250 °C
further designs up to +350°C acc. to data sheet
Flow characteristic: linear Rangeability: 30 : 1

Actuator: ARI-PREMIO®

Actuators: AUMA
Supply voltage: 400V 50Hz 3~ Protection class: IP68

**Alternative: SCHIEBEL-actuators refer to page 61**

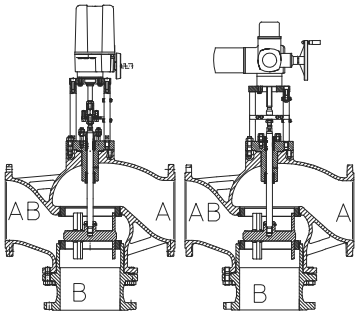



**Fig. 423 ARI-PREMO®** DN300

**Fig. 423 AUMA** DN300

| nominal diameter | | | | | DN | Mixing valve AB ⇐ A, B | |
|---|---|---|---|---|---|---|---|
| | | | | | | 300 | |
| Kvs - values | | | standard | | | | 1500 |
| | | | reduced | | | 1000 | |
| PREMIO® 12 kN (90-264V) | | closing pressure | | | bar | 1,9 | |
| | | operating time | | | s | 171 | 197 |
| Fig. No. | 22.423 | PN16 | EN-JS1049 | | | on request | |
| PREMIO® 15 kN (90-264V) | | closing pressure | | | bar | 2,5 | |
| | | operating time | | | s | 171 | 197 |
| Fig. No. | 22.423 | PN16 | EN-JS1049 | | | on request | |
| PREMIO® 25 kN (90-264V) | | closing pressure | | | bar | 4,3 | |
| | | operating time | | | s | 171 | 197 |
| Fig. No. | 22.423 | PN16 | EN-JS1049 | | | on request | |
| AUMA SAR 07.6 | | closing pressure | shut off | | bar | 4,1 | |
| | | | control | | bar | 2,2 | |
| | | operating time | | | s | 71 | 82 |
| Fig. No. | 22.423 | PN16 | EN-JS1049 | | | on request | |
| AUMA SAR 10.2 | | closing pressure | shut off | | bar | 8,8 | |
| | | | control | | bar | 4,5 | |
| | | operating time | | | s | 71 | 82 |
| Fig. No. | 22.423 | PN16 | EN-JS1049 | | | on request | |
| AUMA SAR 14.2 | | closing pressure | shut off | | bar | 15,2 | |
| | | | control | | bar | 7,4 | |
| | | operating time | | | s | 59 | 68 |
| Fig. No. | 22.423 | PN16 | EN-JS1049 | | | on request | |

Supply voltage, add. performance for special design and accessories of actuators - see pages 57 and 60

# ARI-STEVI® Pro

## Electric actuated feedwater control valve with pump spill back

Body: 1.0619+N
Trim: X 20 Cr 13+QT (1.4021+QT) / X 6 CrNiMoTi 17 12 2 (1.4571)
Stem sealing: EPDM-sealing -10 ...+180 °C
Flow characteristic: equal percentage or linear
Rangeability: 30 : 1
Actuators: ARI-PREMIO®**-Plus 2G**
Closing pressures for standard Kvs-values

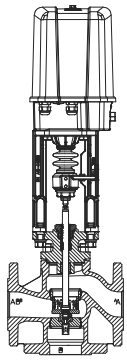


**Fig. ...453**
**ARI-PREMIO® -Plus 2G**

| **nominal diameter** | | | | **DN** | **25** | **32** | **40** | **50** | **65** | **80** | **100** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Kvs - values** | | **Straight through** | **standard** | | **6,3** | **10** | **16** | **25** | **40** | **63** | **100** |
| | | | **reduced** | | **4 / 2,5 / 1,6 / 1** | **6,3 / 4 / 2,5** | **10 / 6,3 / 4** | **16 / 10 / 6,3** | **25 / 16 / 10** | **40 / 25 / 16** | **63 / 40 / 25** |
| | | **Bypass** | **standard** | | **0,63** | **1** | **1,6** | **2,5** | **4** | **6,3** | **10** |
| | | | **reduced** | | **0,4 / 0,25 / 0,16 / 0,1** | **0,6 / 0,4 / 0,25** | **1 / 0,63 / 0,4** | **1,6 / 1 / 0,63** | **2,5 / 1,6 / 1** | **4 / 2,5 / 1,6** | **6,3 / 4 / 2,5** |
| **PREMIO®-Plus 2G 2,2 kN (90-264V)** | | closing pressure | | bar | 15,4 | 11,6 | 6,4 | 4,0 | | | |
| | | operating time | | s | 53 | 53 | 53 | 53 | | | |
| Fig. No. | 35.453 | PN40 | 1.0619+N | | 3.130,- | 3.251,- | 3.582,- | 3.907,- | | | |
| **PREMIO®-Plus 2G 5 kN (90-264V)** | | closing pressure | | bar | 38,5 | 29,2 | 16,6 | 10,6 | 6,2 | 4,0 | 2,5 |
| | | operating time | | s | 53 | 53 | 53 | 53 | 79 | 79 | 79 |
| Fig. No. | 35.453 | PN40 | 1.0619+N | | 3.392,- | 3.452,- | 3.844,- | 4.169,- | 4.806,- | 5.492,- | 6.464,- |
| **PREMIO®-Plus 2G 12 kN (90-264V)** | | closing pressure | | bar | 40 | 40 | 40 | 27,2 | 16,1 | 10,6 | 6,8 |
| | | operating time | | s | 53 | 53 | 53 | 53 | 79 | 79 | 79 |
| Fig. No. | 35.453 | PN40 | 1.0619+N | | 3.858,- | 3.978,- | 4.309,- | 4.634,- | 5.271,- | 5.957,- | 6.928,- |
| **PREMIO®-Plus 2G 15 kN (90-264V)** | | closing pressure | | bar | | | | | 20,4 | 13,4 | 8,6 |
| | | operating time | | s | | | | | 79 | 79 | 79 |
| Fig. No. | 35.453 | PN40 | 1.0619+N | | | | | | 5.461,- | 6.147,- | 7.117,- |
| **special design** | | | | | **additional performance** | | | | | | |
| **nominal diameter** | | | | **DN** | **25** | **32** | **40** | **50** | **65** | **80** | **100** |
| Adapter flange (to make compatible to other design) | | | | | on request | | | | | | |

Supply voltage, add. performance for special design and accessories of actuators - see page 56 **ARI-PREMIO® on request.**
Special flange drillings by agreement (refer to page 204)

# ARI-STEVI® H

## Compact control valve in 3-way form as mixing valve for water

Body: EN-JL1040

Trim: DN15-100: Brass 2.0401 / X 6 CrNiMoTi 17 12 2 (1.4571)
DN125-150: X 20Cr13+QT (1.4021+QT) / X 6 CrNiMoTi 17 12 2 (1.4571)

Stem sealing: O-rings 0 ...+130 °C Special design acc. to data sheet

Flow characteristic: A equal percentage / B linear

Positioning ratio: 30 : 1

Leakage rate: DN15-100: tight shut off acc. to DIN EN 12266-1 Leakage rate A
DN125-150: 0,05% of the Kvs value

Actuators: ARI-PACO® / ARI-PACO® 2G
ARI-PREMIO®

(Operating limit: max. flow speed 2m/s)

Details for actuator refer to pages 57 and 62

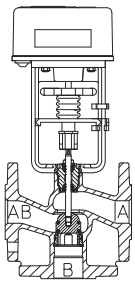



Fig. 485
ARI-PACO®

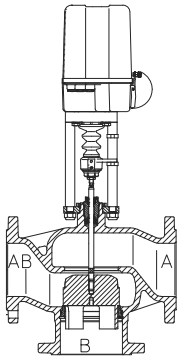



Fig. 485
ARI-PREMIO®

| nominal diameter | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | standard | | | 4 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | 160 | 220 | 320 |
| | | reduced | | | 2,5/1,6/1/ 0,63 | 4 | 6,3 | 10 | 16 | 25 | 40 | 63 | 100 | -- | -- |
| PACO® 0,85 D | | closing pressure | | bar | 16 | 16 | 11,3 | 8,3 | 4,4 | 2,6 | | | | | |
| | | operating time | | s | 127 | 127 | 127 | 127 | 127 | 127 | | | | | |
| Fig. No. | 12.485 | PN16 | EN-JL1040 | | 656,- | 676,- | 685,- | 720,- | 739,- | 775,- | | | | | |
| PACO® 2G 1,6 D | | closing pressure | | bar | | | | | | | 3,2 | 2 | 1,2 | | |
| | | operating time | | s | | | | | | | 200 | 200 | 200 | | |
| Fig. No. | 12.485 | PN16 | EN-JL1040 | | | | | | | | 1.197,- | 1.383,- | 1.805,- | | |
| PREMIO® 2,2kN (230V) | | closing pressure | | bar | | | | | | | | | | 1,1 | 0,7 |
| | | operating time | | s | | | | | | | | | | 105 | 105 |
| Fig. No. | 12.485 | PN16 | EN-JL1040 | | | | | | | | | | | 2.894,- | 3.277,- |
| PREMIO® 5kN (90-264V) | | closing pressure | | bar | | | | | | | | | | 3,3 | 2,2 |
| | | operating time | | s | | | | | | | | | | 105 | 105 |
| Fig. No. | 12.485 | PN16 | EN-JL1040 | | | | | | | | | | | 3.157,- | 3.540,- |
| special design | | | | | additional performance | | | | | | | | | | |
| nominal diameter | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| spindle heating 24V 50Hz | | | | | 316,- | | | | | | | | | | |

Supply voltage, add. performance for special design and accessories of actuators - see pages 57 and 62

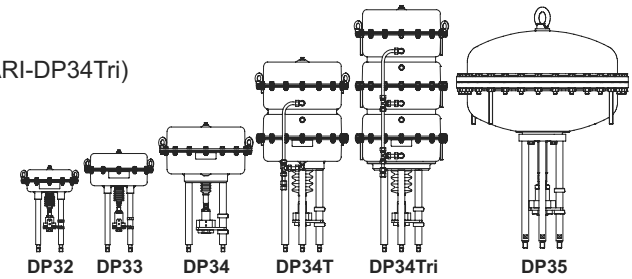
## Pneumatic actuators ARI-DP

Mounting parts: with coupling acc. to DIN IEC 60534 part 6 (Namur) and travel indicator

Action: single acting;
Options: Stem extend on air failure
Stem retract on air failure (not for ARI-DP34Tri)

Air connection: ARI-DP32, ARI-DP33 G1/4"; ARI-DP34 G3/8", ARI-DP34T G3/8"; ARI-DP34Tri G1/2", ARI-DP35 G1"

max. air supply: 6 bar (ARI-DP34Tri: 5 bar)




| **Pneumatic actuators** (Operating mode: Extended or retracted stem on air failure) | | | | | |
|---|---|---|---|---|---|
| **DP32** | **250 cm²** | | Travel 20/30 mm 0,2-1,0 bar | Travel 20/30 mm 0,4-1,2 bar | 690,- |
| | | Additional performance for further spring ranges | Travel 20/30 mm 0,8-2,4 bar | | 33,- |
| | | | Travel 20 mm 1,5-2,9 bar | | 45,- |
| | | | Travel 20 mm 2,0-3,8 bar | | 155,- |
| **DP33** | **400 cm²** | | Travel 20/30 mm 0,2-1,0 bar | Travel 20/30 mm 0,4-1,2 bar | 899,- |
| | | Additional performance for further spring ranges | Travel 20/30 mm 0,8-2,4 bar | | 57,- |
| | | | Travel 20 mm 1,7-2,7 bar | Travel 30 mm 1,5-3,0 bar | 61,- |
| | | | Travel 20 mm 2,3-3,7 bar | Travel 30 mm 2,0-4,0 bar | 124,- |
| **DP34** | **800 cm²** | | Travel 30/50 mm 0,2-1,0 bar | Travel 30/50 mm 0,4-1,2 bar | 1.705,- |
| | | | Travel 65 mm 0,2-1,0 bar | Travel 65 mm 0,4-1,2 bar | |
| | | Additional performance for further spring ranges | Travel 30/50 mm 0,8-2,4 bar | | 155,- |
| | | | Travel 65 mm 1,0-2,0 bar | | 155,- |
| | | | Travel 30 mm 2,1-3,0 bar | Travel 50 mm 1,5-3,0 bar | 171,- |
| | | | Travel 30 mm 2,4-3,6 bar | Travel 50 mm 2,0-4,0 bar | 474,- |
| | | | Travel 65 mm 2,0-4,0 bar | | 820,- |
| **DP34T** | **1600 cm²** | | Travel 30/50 mm 0,2-1,0 bar | Travel 30/50 mm 0,4-1,2 bar | 4.267,- |
| | | | Travel 65 mm 0,2-1,0 bar | Travel 65 mm 0,4-1,2 bar | |
| | | Additional performance for further spring ranges | Travel 30/50 mm 0,8-2,4 bar | | 203,- |
| | | | Travel 65 mm 1,0-2,0 bar | | 310,- |
| | | | Travel 30 mm 2,1-3,0 bar | Travel 50 mm 1,5-3,0 bar | 323,- |
| | | | Travel 30 mm 2,4-3,6 bar | Travel 50 mm 2,0-4,0 bar | 951,- |
| | | | Travel 65 mm 2,0-4,0 bar | | 1.638,- |
| **DP34Tri** (only Operating mode: "extended stem on air failure") | **2400 cm²** | | Travel 30/50 mm 0,2-1,0 bar | Travel 30/50 mm 0,4-1,2 bar | 8.087,- |
| | | | Travel 65 mm 0,2-1,0 bar | Travel 65 mm 0,4-1,2 bar | |
| | | Additional performance for further spring ranges | Travel 30/50 mm 0,8-2,4 bar | | 264,- |
| | | | Travel 65 mm 0,8-2,4 bar | Travel 75 mm 0,55-2,4 bar | 417,- |
| | | | Travel 65 mm 1,0-2,0 bar | | 405,- |
| | | | Travel 30 mm 2,1-3,0 bar | Travel 50 mm 1,5-3,0 bar | 371,- |
| | | | Travel 30 mm 2,4-3,6 bar | Travel 50 mm 2,0-4,0 bar | 1.235,- |
| | | | Travel 65 mm 2,0-4,0 bar | | 1.246,- |
| **DP35** | **2800 cm²** | | max. Travel 120 mm 1,8-3,8 bar | | on request |

| **Other options** | | | |
|---|---|---|---|
| **Piping of the air chambers to a supply air** | with stainless steel pipe and fitting of steel | DP34T-34Tri | standard |
| | with stainless steel pipe and fitting | DP34T-34Tri | 265,- |
| **Top mounted handwheel** | top mounted | DP32-33 | 449,- |
| | | DP34 | 1.025,- |
| | top mounted with worm gear | DP34T-34Tri | 3.149,- |
| | top mounted with bevel gear | DP35 | on request |
| **Travel limiter** (adjustable, mechanical stop on the drive) | for opening and closing direction (only for action: Extended stem on air failure) | DP32 | 326,- |
| | | DP33 | 410,- |
| | | DP34 | 859,- |
| | | DP34T-34Tri | 851,- |
| **Damping cylinder** (hydraulic) | size 1 | DP32-33 | 4.499,- |
| | size 2 | DP34-34T | 4.815,- |

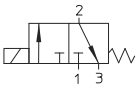
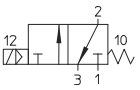
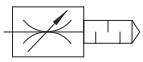
## Accessories for pneumatic actuators ARI-DP

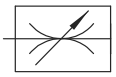
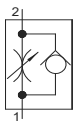
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Pneumatic positioner** (allocation of valve control and control signal) | | | | | | | |
| **PS 1**<br>Foxboro Eckardt SRP981 | | 0,2-1,0 bar | II 2 Gc IIC T6 | IP54 | -40°C up to +80°C | DP32-34Tri | 767,- |
| **Electro-pneumatic positioner** (allocation of valve control and control signal) | | | | | | | |
| **EPS 13**<br>Foxboro Eckardt SRI986 | 2-wire | 0/4-20mA | | IP54 | -40°C up to +80°C | DP32-34Tri | 964,- |
| **EPS 14**<br>Foxboro Eckardt SRI986 | 2-wire | 0/4-20mA | II 2 G EEx ia IIC T6 | IP54 | -40°C up to +40°C | DP32-34Tri | 970,- |
| **EPS 15.2**<br>Siemens SIPART PS2 | 2-wire | 4-20mA | | IP66 | -30°C up to +80°C | DP32-35 | 1.792,- |
| | 2/3/4-wire | 0/4-20mA | | IP66 | -30°C up to +80°C | DP32-35 | 1.831,- |
| | **HART** 2-wire | 4-20mA | | IP66 | -30°C up to +80°C | DP32-35 | 1.984,- |
| | Profibus PA | | | IP66 | -30°C up to +80°C | DP32-35 | 2.324,- |
| **EPS 16.2**<br>Siemens SIPART PS2 EX | 2-wire | 4-20mA | II 2 G EEx ia IIC T6 | IP66 | -30°C up to +50°C | DP32-35 | 1.910,- |
| | **HART** 2/3/4-wire | 0/4-20mA | II 2 G EEx ia IIC T6 | IP66 | -30°C up to +50°C | DP32-35 | 2.135,- |
| | Profibus PA | | II 2 G EEx ia IIC T6 | IP66 | -30°C up to +50°C | DP32-35 | 2.287,- |
| | pressure-resistant casing Ex d | 4-20mA | II 2 G EEx d IIC T6 | IP66 | -30°C up to +50°C | DP32-35 | 3.107,- |
| | pressure-resistant casing Ex d / Profibus PA | | II 2 G EEx d IIC T6 | IP66 | -30°C up to +50°C | DP32-35 | 3.764,- |
| **EPS 33** | | 4-20mA | | IP66 | -30°C up to +85°C | DP32-35 | 1.246,- |
| **ABB TZID-C** | 2-wire | 4-20mA | | IP65 | -40°C up to +85°C | DP32-34Tri | 2.600,- |
| | **HART** 2-wire | 4-20mA (FSK-Module) | | IP65 | -40°C up to +85°C | DP32-34Tri | 2.712,- |
| | further designs e.g. Ex ib or Exd | | | | | DP32-34Tri | on request |
| **Options** | **Direct mounting** (add. costs) | EPS 15.2 ... / EPS 16.2 ... for DP32/33 with stem extending on air failure | | | | DP32-33 | 207,- |
| | **Fitting and adjustment** acc. to DIN IEC 60534 T6 Positioner provided by the customer | | | | | DP32-35 | 268,- |
| **Accessories for positioner** | | | | | | | |
| **PS 1** | **Manometer** | Set with 3 manometer | | | | | 600,- |
| **EPS 13**<br>**EPS 14** | **Manometer** | Set with 2 manometer | | | | | 543,- |
| **EPS15.2** | **Analogue feedback signal** | 4-20mA (IY module) | | | | | 465,- |
| | **Limit signal switches** | 2 proximity switch (SIA module) | | | | | 771,- |
| | | 2 mechanic switch contacts (limit value contact module) | | | | | 476,- |
| | | 3 alarm-contacts 1 binary input (alarm module) | | | | | 356,- |
| | **Manometer** | Fragment with 2 manometers | | | | | 203,- |
| **EPS16.2** | **Analogue feedback signal** | 4-20mA (IY module) | | | | | 496,- |
| | **Limit signal switches** | 2 proximity switch (SIA module) | | | | | 793,- |
| | | 2 mechanic switch contacts (limit value contact module) | | | | | 533,- |
| | | 3 alarm-contacts 1 binary input (alarm module) | | | | | 388,- |
| | **Manometer** | Fragment with 2 manometers | | | | | 203,- |
| **EPS 33** | **Manometer** | Fragment with 1 manometer | | | | | 102,- |
| | **Analogue feedback signal** | 4-20mA | | | | | 229,- |
| **ABB TZID-C** | **Analogue feedback signal** | 4-20mA | | | | | 525,- |
| | **Limit signal switches** | 2 proximity switch | | | | | 713,- |
| | | 2 mechanic switch contacts | | | | | 339,- |
| | **Manometer** | Fragment with 2 manometers | | | | | 222,- |
| **Booster** (to increase the air capacity) | | | | | | | |
| **Booster** | | 600 l/min | | | -5°C up to +60°C | DP32-34T | 557,- |
| | | 2200 l/min | | | -20°C up to +70°C | DP34Tri/DP35 | 857,- |

**All prices incl. fitting and adjustment. Pipings refer to page 55.**

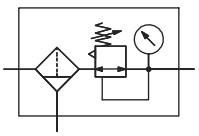
**In case of very short operating times please inquire.**

# Accessories for pneumatic actuators ARI-DP

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **3/2-way solenoid valve** (Air is vented in the rest position. Including female connector) | | | | | | | | |
| directly controlled  | | Seat-Ø 2,5mm | | 230V50Hz~[1)] | IP65 | -10°C up to +55°C | DP32-34 | 149,- |
| | | Seat-Ø 2,5mm | II 2 G EEx me II T4 | 230V50Hz~[1)] | IP65 | -30°C up to +60°C | | 466,- |
| | | Seat-Ø 5mm | | 230V50Hz~[1)] | IP65 | -25°C up to +60°C | DP34T | 383,- |
| | | Seat-Ø 5mm | II 2 G EEx me II T5<br>II 2 D EEx me II T5 | 230V50Hz~[1)] | IP66 | -25°C up to +40°C | | 932,- |
| indirectly controlled  | Only for stop valves: (2,0 - 10 bar) | Seat-Ø 6mm | | 230V50Hz~[1)] | IP65 | -10°C up to +50°C | DP34Tri | 369,- |
| | | Seat-Ø 12mm | | 230V50Hz~[1)] | IP66 | -10°C up to +50°C | DP35 | 773,- |
| | Only for stop valves: (Required air supply pressure min. 2,5 bar) | Seat-Ø 8mm | | 230V50Hz~[1)] | IP65 | -25°C up to +60°C | DP34Tri / DP35 | 1.999,- |
| | | Seat-Ø 8mm | II 2 G EEx me II T5<br>II 2 D EEx me II T5 | 230V50Hz~[1)] | IP66 | -40°C up to +65°C | | 2.285,- |
| | External control air connection required | Seat-Ø 8mm | | 230V50Hz~[1)] | IP65 | -25°C up to +60°C | DP34Tri / DP35 | 2.022,- |
| | | Seat-Ø 8mm | II 2 G EEx me II T5<br>II 2 D EEx me II T5 | 230V50Hz~[1)] | IP66 | -40°C up to +65°C | | 2.281,- |
| **Accessories for solenoid valve** | | | | | | | | |
| **Female connector with LED** | | | | 200-240V / AC/DC | | | DP32-34 | 41,- |
| **Female connector with LED and varistor (protective circuit)** | | | | 200-240V / AC/DC | | | DP32-34 | 43,- |
| **Female connector with LED, pole guard and recovery diode** | | | | 12-24V / DC | | | DP32-34 | 44,- |
|  | **Exhaust silencer** | Sintered bronze | | | | -10°C up to +70°C | DP32-34 | 31,- |
| | | Sintered bronze | | | | -10°C up to +70°C | DP34T | 28,- |
| | | Sintered bronze | | | | -10°C up to +70°C | DP34Tri / DP35 | on request |
|  | **Exhaust resistor with exhaust silencer** (Increases operating time) | DN 5 | 0-1000 l/min | | | -10°C up to +70°C | DP32-34 | 87,- |
| | | | | | | | DP34T | 87,- |
| | | DN 10 | 0-3980 l/min | | | | DP34Tri / DP35 | on request |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Throttling valves** (adjustment of the operating speed) | | | | | | | | |
|  | **Throttling valve** (Increases operation time in 'open' and 'closed' direction) | G 1/4 | 0-350 l/min | | | -20°C up to +60°C | DP32-34T | 223,- |
| | | G 1/2 | | | | | DP34Tri / DP35 | 142,- |
|  | **Check valve with throttling function** (Increases operation time in 'open' or 'closed' direction) | G 1/4 | Throttling direction 420 l/min<br>Non-return direction 780 l/min | | | -20°C up to +75°C | DP32-34T | 207,- |
| | | G 1/2 | Throttling direction 1620 l/min<br>Non-return direction 2760 l/min | | | -20°C up to +75°C | DP34Tri / DP35 | 363,- |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Lock-up valve** (Holds the air in the actuator in the event of air failure) | | | | | | | |
| | | 884 l/min | | | -5°C up to +60°C | DP32-34T | 584,- |
| | | | | | | DP34Tri / DP35 | on request |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Air set including gauge** (Reduces air pressure and removes dust and water droplets) | | | | | | | | |
|  | with manometer | 940 l/min | 0-10 bar | 5µm | -10°C up to +60°C | DP32-34T | 181,- |
| | with manometer | 6500 l/min | 0,5-10 bar | 5µm | -10°C up to +60°C | DP34Tri / DP35 | 389,- |
| (Air set allows flow in only one direction, interconnect solenoid valve or positioner). | | | | | | | |

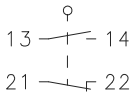
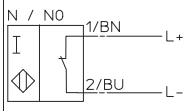
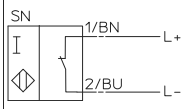
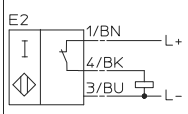
**All prices incl. fitting and adjustment. Pipings refer to page 55.**

**In case of very short lifting times please inquire.**

[1)] further voltages 24V AC, 110V AC, 24V DC are possible

# Accessories for pneumatic actuators ARI-DP

| **Piping of the pneumatic attachments** | | | | |
|---|---|---|---|---|
| Prices per each attachment | with plastic hose | -10°C up to +60°C | DP32-34Tri / DP35 | standard |
| | with stainless steel (copper) pipe and fitting of steel | -40°C up to +100°C | DP32-34 | 109,- |
| | | | DP34T-34Tri | 160,- |
| | | | DP35 | 210,- |
| | with stainless steel pipe and fitting for aggressive environments | -40°C up to +100°C | DP32-34 | 264,- |
| | | | DP34T-34Tri | 417,- |
| | | | DP35 | 438,- |

| **Limit switches** (To denote end of travel) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
|   | **electrical** (mechanic) opener/ shutter | | | 240V~ 3A | IP65 | -30°C up to +80°C | DP32-34Tri | 1 Pcs. | 129,- |
| | | | | | | | | 2 Pcs. | 194,- |
| | | | | 230V~ 4A | IP67 | -50°C up to +120°C | DP32-34Tri / DP35 | 1 Pcs. | 223,- |
| | | | | | | | | 2 Pcs. | 404,- |
| | | Cable 2m | II 2 G EEx d IIC T6 | 240V~ 3A | IP66 | -20°C up to +70°C | DP32-34Tri / DP35 | 1 Pcs. | 404,- |
| | | | | | | | | 2 Pcs. | 745,- |
|   | **inductive** 2-conductor, Namur opener | Cable 2m | II 2 G EEx ia IIC T6 II 1 D EEx ia D20 T 108°C SIL 2 | 8V | IP68 | -25°C up to +100°C | DP32-34Tri / DP35 | 1 Pcs. | 236,- |
| | | | | | | | | 2 Pcs. | 346,- |
|   | **inductive** 2-conductor, Namur opener fail-safe actuator | Cable 2m | II 1 G EEx ia IIC T6 II 1 D EEx ia D20 T 108°C SIL 3 | 8V | IP68 | -50°C up to +100°C | DP32-34Tri / DP35 | 1 Pcs. | 409,- |
| | | | | | | | | 2 Pcs. | 692,- |
|   | **inductive** 3-conductor, PNP shutter | Cable 2m | | 10...50V | IP67 | -25°C up to +70°C | DP32-34Tri / DP35 | 1 Pcs. | 267,- |
| | | | | | | | | 2 Pcs. | 410,- |
| | **inductive** 3-conductor, PNP shutter | V1-male connector | | 10...50V | IP67 | -25°C up to +70°C | DP32-34Tri / DP35 | 1 Pcs. | 337,- |
| | | | | | | | | 2 Pcs. | 548,- |

| **Proximity sensors** (To denote end of travel in housing) | | | | | |
|---|---|---|---|---|---|
| 2 micro switches Single-pole change over contact | 50V max. 5A | IP65 | -25°C up to +85°C | DP32-34Tri | 1.268,- |
| 2 inductive spilt indication 2-wire circuit | | IP65 | -25°C up to +85°C | DP32-34Tri | 1.759,- |
| 2 inductive proximity switches 3-wire circuit PNP | | IP65 | -25°C up to +85°C | DP32-34Tri | 2.299,- |
| Not possible with positioner. | | | | | |

| **Position indicator** (analogue feed back of valve position in housing) | | | | | | |
|---|---|---|---|---|---|---|
| 2-wire circuit | Output signal 4-20mA | 12 up to 36V DC | IP65 | -40°C up to +80°C | DP32-34Tri | 3.342,- |
| Not possible with positioner. | | | | | | |

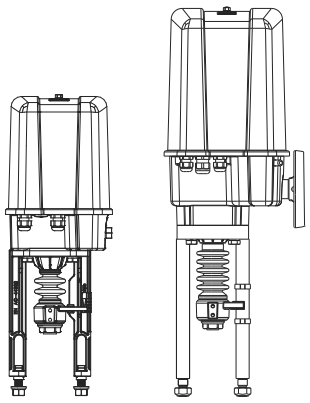
**All prices incl. fitting and adjustment.**

## Intelligent electric actuators ARI-PREMIO®-Plus 2G

Type: ARI-PREMIO®-Plus 2G 2,2; 5; 12; 15; 25 kN
Emergency manual override handwheel standard

- Optional input signal:
  - 3-point, 0-10V, 4-20mA
- Adjustable operating speed (4 steps)
- Adjustable failsafe characteristic at control signal failure (Open - Stop - Close)
- Automatic valve travel adaption
- Priority modus for 3-point control signals
- Anti-blocking function
- Failure signals acc. to Namur 107 (by LED)
- Economy function for extended lifetime

Protection class: IP 65




| Intelligent elec. actuator PREMIO®-Plus 2G | | | 2,2 kN | 5 kN | 12 kN | 15 kN | 25 kN |
|---|---|---|---|---|---|---|---|
| **Standard** | **90-264V AC / 127-370V DC incl. switching power supply** | control speed mm/s | 0,25 / 0,38 / 0,47 / 1,00 | | 0,20 / 0,31 / 0,38 / 0,79 | | |
| | | travel max. mm | 50 | | 65[1)] | | |
| | | | 1.490,- | 1.752,- | 2.217,- | 2.408,- | 3.508,- |

| Additional performance for other voltages | | | | |
|---|---|---|---|---|
| | **24V AC / DC excl. switching power supply** | lower price | 148,- | 299,- |
| **Trafo** | **400V 50/60Hz 3~** | | 217,- | on request |

| Additional performance for accessories | | | | |
|---|---|---|---|---|
| Binary feedback | Type Relay board | - 2 intermediate positions,<br>·to set by switch,<br>·changeover contacts 250 V AC, 3 A resistive load, 6 A inductive load;<br>- 1 failure signal and 1 warning signal / alternative end positions [2)]<br>·changeover contacts 30 V AC/DC, 2A; | piece | 183,- |
| Electronic position indicator | Type Analogue output card | - analogue output for position feedback;<br>- 4-20 mA switchable to 0-10V;<br>- invertable;<br>- galvanic isolation between the mains voltage and feedback signal;<br>- active; | piece | 346,- |
| Heating | Heating resistor | - 230 V AC, 115 V AC, 24 V AC/DC; 15 Watt;<br>- automatic switching circuit; | piece | 78,- |
| Potentiometer | Conductive (max. 2 only) | - 1000, 2000, 5000 Ohm, 1 Watt (at +70 °C);<br>- Wipper current max. 0,01 mA / recommended 0,002 mA; | piece | 255,- |
| | Wire (max. 2 only) | - 100, 200 Ohm, 0,5 Watt (at +70 °C);<br>- Wipper current max. 35 mA / recommended 0,02 mA; | piece | 264,- |
| LED – Status Indicator | 2,2 / 5kN | - From the outside on the visible display of the drive status;<br>- green= OK.; red=error; yellow= warning; blue=maintenance;<br>- Intermediate upgrade modules available starting with SW version 3.3.X | piece | 99,- |
| | 12 / 15kN | | piece | 121,- |
| (Process-) controller | Type Processcontroller dTRON 316 | - Mounted in the actuator;<br>- 4-20mA output for operation of PREMIO®-Plus 2G;<br>- for resistance thermometers and thermocouples (provided by the customer) or standard signals;<br>- Pre-configured for temperature control: control range from -200°C up to +850°C (resistance thermometer); | piece | 976,- |
| Bus systems | Profibus DP (via dTRON 316 as Gateway) | - Control command:<br>·3-point: OPEN, Stop, Close;<br>·Nominal position value 0-100;<br>- Feedback signals<br>·Actual position value (requires electronic position indicator in the PREMIO®-Plus 2G);<br>·2 binary signals (requires a relay card in the PREMIO®-Plus 2G optional: Limit switch (2x), failure signal, warning signal; | piece | 1.659,- |
| | Modbus RTU (via dTRON 316 as Gateway) | | | |

[1)] up to 80mm travel on request

[2)] please indicate when ordering

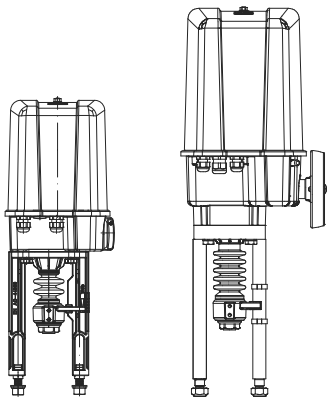
# Electric actuators ARI-PREMIO®

Type: ARI-PREMIO® 2,2; 5; 12; 15; 25 kN (BLDC)
Emergency manual override handwheel standard

Supply voltage: 90-264V AC - 47-63Hz 1~ Protection class: IP 65

Type: ARI-PREMIO® 2,2 kN (Synchronous motor)
Emergency manual override handwheel standard

Supply voltage: 230V 50/60Hz 1~ Protection class: IP 65



2,2 - 5 kN 12 - 25 kN

| Actuator PREMIO® | | 2,2 kN | | 5 kN | 12 kN | 15 kN | 25 kN |
|---|---|---|---|---|---|---|---|
| Standard | control speed mm/s | 0,38 | 0,25 / 0,38 / 0,47 / 1,0 adjustable | | 0,20 / 0,31 / 0,38 / 0,79 adjustable | | |
| | travel max. mm | 50 | | | 80 | | |
| | voltage V-Hz | 230V-50/60Hz | 90-264V AC - 47-63Hz | | | | |
| | Type | Synchronous motor | BLDC (Brushless DC motor) | | | | |
| | | 1.036,- | 1.150,- | 1.299,- | 1.764,- | 1.952,- | 2.664,- |

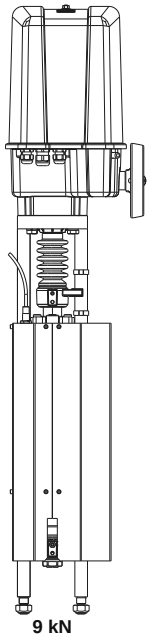
The operating speed and the power consumption are 20% higher with synchronous motors at 60 Hz

| Additional performance for other voltages | | | | | | | |
|---|---|---|---|---|---|---|---|
| **24V AC/DC** | lower price | -- | 32,- | 100,- | 148,- | | 293,- |
| **400V 50/60Hz 3~** | | 294,- | on request | | | | |

| Add. performance for accessories | | | | | |
|---|---|---|---|---|---|
| Trip slide | | Required to operate ...<br>- Travel switch S3 / stem retracting<br>(travel switch S3 is included in the basic actuator version)<br>- Potentiometers<br>- Additional travel switches S4 / S5 | piece | 61,- |
| Option trip slide necessary | Additional intermediate position switches (S4/S5)<br>(For low switching powers and aggressive atmosphere gold contacts should be used) | Type Standard | - 2 pieces, Wiper current, rating max. 10A, 250V ~ | set | 75,- |
| | | Type Low voltage | - 2 pieces, Wiper current, with gold contacts, rating max. 0,1A, 4-30V | set | 96,- |
| | Potentiometer | Conductive<br>(max. 2 pieces) | - 1000, 2000, 5000 Ohm; 1 Watt (at +70 °C)<br>- Wiper current max. 0,01 mA / recommended 0,002 mA; | piece | 87,- |
| | | Wire<br>(max. 2 pieces) | - 100, 200 Ohm, 0,5 Watt (at +70 °C)<br>- Wiper current max. 35 mA / recommended 0,02 mA; | piece | 143,- |
| | | TÜV-approved potentiometer<br>(max. 2 pieces) | - 5000 Ohm (other values on request) | piece | 260,- |
| | Electronic positioner | **--> PREMIO®-Plus 2G (page 56)** | - 24 V AC/DC; 90-264 V AC, control signals 4-20 mA, 0-10 V | -- | -- |
| | Electronic position indicator | **--> PREMIO®-Plus 2G (page 56)** | - 24 V AC/DC; 90-264 V AC, control signals 4-20 mA, 0-10 V | -- | -- |
| | | RI21<br>(AC only) | - 24, 115, 230 V AC, analogue output for position feedback;<br>- 0(4)...20 mA, 0(2)-10V, not galvanically separated, 2/4-wire connection<br>(incl. Potentiometer) | piece | 640,- |
| | | RI32 | - analogue output for position feedback 2... 10V; 4... 20mA<br>- Compact design; 2-wire (passive) or 4-wire (active) circuit<br>- Supply voltage: 24V AC/DC<br>- incl. Potentiometer (note the maximum number of potentiometers) | piece | 640,- |
| Heating | | Heating resistor | - 230V 50/60Hz, 115V 50/60Hz, 24V AC/DC, 15 Watt | piece | 78,- |
| Connection boards<br>2 torque switches, 1 travel switch, all switch contacts wired to terminals<br>(For low switching powers and aggressive atmosphere gold contacts should be used) | | Type Standard PA | - free wiring, rating 10A, 250V ~<br>- (Also possible with standard version for operation at 12 / 15 kN) | piece | 95,- |
| | | Type low voltage NA | - free wiring, with gold contacts, rating max. 0,1A, 4-30V | piece | 145,- |
| (Process-) controller | | Type Processcontroller dTRON 316<br>(acc. to data sheet / operating instuctions PREMIO®-Plus 2G) | - Mounted in the actuator **PREMIO®-Plus 2G**<br>- 4-20mA output for operation of actuator;<br>- for resistance thermometers and thermocouples<br>(provided by the customer) or standard signals;<br>- Pre-configured for temperature control:<br>control range from -200°C up to +850°C (resistance thermometer) | -- | -- |

| Other supply voltages 400V 3~ | | | | |
|---|---|---|---|---|
| Built-in reversal feature | Electronic reversing contactor<br>(acc. to data sheet / operating instuctions PREMIO®-Plus 2G) | - **PREMIO®-Plus 2G** with 400 V 3~ transformer<br>- 3-point, 4-20 mA or 0-10 V operation<br>- Electronically commutated, variable speed BLDC motor | -- | -- |

## Intelligent electric actuators with fail-safe function
## ARI-PREMIO®-Plus 2G


9 kN

**Type:** **ARI-PREMIO®-Plus 2G 9 kN** [1)]

Manual override handwheel (only with subsequent power supply)

- Optional input signal:
  - 3-point, 0-10V, 4-20mA
- Adjustable operating speed (4 steps)
- Adjustable failsafe characteristic at control signal failure (Open - Stop - Close)
- Automatic valve travel adaption
- Priority modus for 3-point control signals
- Anti-blocking function
- Failure signals acc. to Namur 107 (by LED)
- Economy function for extended lifetime

Supply voltage: 90-264 V AC 47-63 Hz / 127-370V DC Protection class: IP 65

Function: Driving spindle extending in case of power failure

| Intelligent electric actuators with fail-safe function PREMIO®-Plus 2G | | PREMIO®-Plus 2G 9 kN / travel 50 mm [1)] |
|---|---|---|
| Standard | control speed mm/s | 0,20 / 0,31 / 0,38 / 0,79 adjustable |
| | fail-safe speed mm/s | 100 |
| | travel max. mm | 50 |
| | voltage | 90-264V AC 47-63Hz / 127-370 V DC |
| | | 6.629,- |

| Additional performance for other voltages | | |
|---|---|---|
| 24V AC/DC | lower price | 146,- |

| Additional performance for accessories PREMIO®-Plus 2G | | | | |
|---|---|---|---|---|
| Electronic position indicator | Type Analogue output card | - analogue output for position feedback;<br>- 4-20 mA switchable to 0-10V;<br>- invertable;<br>- galvanic isolation between the mains voltage and feedback signal;<br>- active; | piece | 346,- |
| Binary feedback | Type Relay board | - 2 intermediate positions,<br>·to set by switch,<br>·changeover contacts 250 V AC, 3 A resistive load, 6 A inductive load;<br>- 1 failure signal and 1 warning signal,<br>·changeover contacts 30 V AC/DC, 2A; | piece | 183,- |
| Heating | Heating resistor | - 230 V AC, 115 V AC, 24 V AC/DC; 15 Watt;<br>- automatic switching circuit; | piece | 78,- |

[1)] Fail-safe force depends on the travel at 20°C (possible operating forces acc. to data sheet)

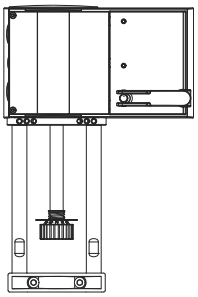
## Electric actuators with fail-safe function FR 1.2

Type: FR 1.2
- universal technology with 2-point, 3-point or continous 0-10V and 4-20mA activation only with one actuator type
- characteristic adjustable
- operating time adjustable

Supply voltage: 24V 50/60Hz 1~ / 24V DC Protection class: IP 66

Function: Actuator stem is moving out on power failure

Positioning speed: 0,17 / 0,25 / 0,50 mm/s



FR1.2

| | |
|---|---|
| **FR 1.2** thrust 2,0 kN (at travel 40 mm) | 1.033,- |

| **Additional performance for other voltages** | |
|---|---|
| 230V 50/60Hz 1~, activation 3-point, 0-10V and 4-20mA | 103,- |

| **Additional performance for accessories** | | |
|---|---|---|
| 2 auxiliary change over switches, continuosly adjustable | piece | 101,- |

## Electric actuators with fail-safe function FR 2.1 / FR 2.2

Type: FR 2.1 / FR 2.2 type approved acc. to DIN EN 14597

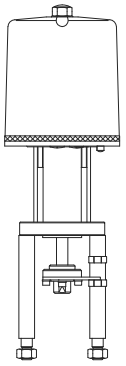
Supply voltage: 230V 50/60 Hz 1~ Protection class: IP 54

Switch off: by travel

Function: Actuator stem is moving out or in on power failure

Positioning speed: 0,29 mm/s

Travel: max. 35 mm



FR2.1/2.2

| | |
|---|---|
| **FR 2.1** thrust 0,9 kN (at travel 35 mm) | 1.480,- |
| **FR 2.2** thrust 2,2 kN (at travel 35 mm) | 1.705,- |

| **Additional performance for other voltages** | |
|---|---|
| 24V 50/60Hz 1~ | 185,- |
| 110V 50/60Hz 1~ | 185,- |

| **Additional performance for accessories** | | |
|---|---|---|
| 2 Add. limit switches (max. 2 pieces) | piece | 49,- |
| Potentiometer [1] 100, 200, 500 or 1000 ohm (max. 2 pieces) | piece | 103,- |
| Gear for potentiometer | piece | 149,- |
| Electronic positioner PE 10, installed in electronic actuator FR2.1/2.2<br>input signals 0 - 20 mA 4 - 20 mA 0 - 10 V 2 - 10 V<br>output signals 0 - 20 mA 4 - 20 mA 0 - 10 V 2 - 10 V<br>for supply voltage 24V 50/60Hz 1~; 110V 50/60Hz 1~; 230V 50/60Hz 1~<br>incl. potentiometer and gear | | 686,- |

[1] Gear device is required

## Multiturn electric actuators AUMA

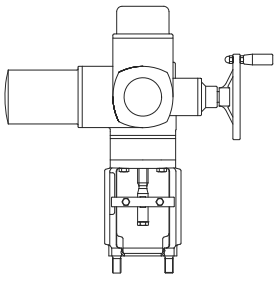
Type: SA 07.2 / 07.6 / 10.2 / 14.2 for stop valves
SAR 07.2 / 07.6 / 10.2 / 14.2 for control valves

Supply voltage: 400V 50Hz 3~ (other voltages on request)

Protection class: IP 68

Assembly: SA 07.2/07.6/10.2 - SAR 07.2/07.6/10.2 .. F10 ...DIN EN ISO 5210 Output drive A
SA 14.2 - SAR 14.2 ..... F14 ...DIN EN ISO 5210 Output drive A

Design and employment acc. to AUMA data sheet



**AUMA SA/SAR 07.2-14.2**

| **AUMA-actuators for stop valves** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **standard** | | | | **Ex** II2G EEx de IIC T4 | | | |
| Type | **SA 07.2** | **SA 07.6** | **SA 10.2** | **SA 14.2** | **SA Ex 07.2** | **SA Ex 07.6** | **SA Ex 10.2** | **SA Ex 14.2** |
| Torque Nm | 30 | 60 | 120 | 250 | 30 | 60 | 120 | 250 |
| | 2.764,- | 2.853,- | 3.577,- | 5.317,- | 3.287,- | 3.404,- | 4.099,- | 5.811,- |

| **AUMA-actuators for control valves** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **standard** | | | | **Ex** II2G EEx de IIC T4 | | | |
| Type | **SAR 07.2** | **SAR 07.6** | **SAR 10.2** | **SAR 14.2** | **SAR Ex 07.2** | **SAR Ex 07.6** | **SAR Ex 10.2** | **SAR Ex 14.2** |
| Torque Nm | 30 | 60 | 120 | 250 | 30 | 60 | 120 | 250 |
| | 3.834,- | 3.963,- | 5.048,- | 7.463,- | 4.617,- | 4.786,- | 5.834,- | 8.205,- |

| **Additional performance for accessories AUMA SA(R) 07.2 - 16.2 (for standard and Ex)** | | | | |
|---|---|---|---|---|
| **Tandem torque switches** [3] | | for either direction 2 opening and 2 closing contacts | | 132,- |
| **Tandem travel switches** [3] | | for either direction 2 opening and 2 closing contacts | | 132,- |
| **Duo travel switch** [3] | | with 4 switches (2 of them variable adjustable between 0-100% travel) | | 238,- |
| **Gear device** | | for mechanical position indicator or electrical transmitter | | 178,- |
| **Mechanical position indicator** [1] | | continuous (on/off) | | 55,- |
| **Potentiometer** [1] | SA | Wire-potentiometer normal 0,1; 0,2; 0,5; 1,0 or 5,0 kOhm | | 137,- |
| | | Tandem-wire-potentiometer 0,2/0,2; 0,5/0,5; 1,0/1,0; 5,0/5,0 or 0,2/5,0 kOhm | | 222,- |
| | SAR | Precision metalfilm potentiometer 1,0 or 5,0 kOhm | | 137,- |
| | | Tandem-precision metalfilm potentiometer 1,0/4,7 or 4,7/4,7 kOhm | | 222,- |
| **Position indicator RWG** [1] incl. Potentiometer | | 2-wire-system | output 4 - 20 mA | 676,- |
| | | 3-wire or 4-wire-system | output 0 - 20 mA / 4 - 20 mA | 676,- |
| **Gold contacts in switches** | | For travel- and torque switches | per single switch | 66,- |
| | | | per tandem switch | 132,- |
| **Integral controls AUMA MATIC AM** | | Input signal 3-step | AM 01.1 for SA(R) 07.2 - 10.2 | 1.986,- |
| | | | AM 02.1 for SA(R) 14.2 - 16.2 | 2.290,- |
| | | | AM Ex 01.1 for SA(R) Ex 07.2 - 16.2 | 3.387,- |
| **Integral controls AUMATIC AC01.2** | incl. solenoid and torque transmitter (MWG) | Non-intrusive design<br>- Setting of travel and torque control via button<br>- Position and torque feedback 0/4-20mA<br>- 5 NO contacts and 1 Collective fault signal [4] | AC 01.2 for SA(R) 07.2 - 14.6 | 3.558,- [2] |
| | | | AC 01.2 for SA(R) 16.2 | on request |
| | | | AC Ex 01.2 for SA(R) Ex 07.2 - 14.6 | 4.259,- [2] |
| | | | AC Ex 01.2 for SA(R) Ex 16.2 | on request |
| | incl. potentiometer and gear device | Feedback analogue 0/4-20 mA<br>max. 1,5 kW (above 1,5 kW on request) | AC 01.2 for SA(R) 07.2 - 16.2 | 3.658,- |
| | | | AC Ex 01.2 for SA(R) Ex 07.2 - 16.2 | 4.359,- |
| | **Further accessories** | Positioner, input signal 0/4-20 mA | | 482,- |
| | | Thyristor reversing unit (instead of el-mech. contactors) With internal fuse elements, for voltages up to 500V, (recommended for high numbers of switching actuations) | SA(R) 07.2 - 16.2 (Performance class B1/B2) | 421,- |
| | | **Profibus-DP** Fieldbus interface | DP-V0 | 391,- |
| | | | DP-V0/V1 | 721,- |
| Further accessories on request | | | | |

[1] Gear device is required

[2] Base prices! If several options are combined additional costs could be possible. Prices on request then.

[3] Not in combination with AUMATIC with MWG

[4] Programmable, potential-free, with common reference potential

# Multiturn electric actuators SCHIEBEL

Type: AB3 - AB40 for stop valves
rAB3 - rAB40 for control valves

Supply voltage: 400V 50Hz 3~ (other voltages on request)

Protection class: IP 67 (further protection classes on request)

Assembly: (r)AB3 - (r)AB8.....F10 ..... DIN EN ISO 5210 Output drive A
(r)AB18 - (r)AB40.....F14 ..... DIN EN ISO 5210 Output drive A

Design and employment acc. to SCHIEBEL data sheet

| | |
|---|---|
| **AB3** / SA07.2 | max. 30 Nm |
| **AB5** / SA07.6 | max. 60 Nm |
| **AB8** / SA10.2 | max. 120 Nm |
| **AB18** / SA14.2 | max. 250 Nm |
| **AB40** / SA14.6 | max. 500 Nm |

**SCHIEBEL AB/rAB3-40**

| **SCHIEBEL-actuators for stop valves** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **standard** | | | | | **Ex** II2G EEx de IIC T4 | | | | |
| Type | **AB3** | **AB5** | **AB8** | **AB18** | **AB40** | **exAB3** | **exAB5** | **exAB8** | **exAB18** | **exAB40** |
| Torque Nm | 30 | 60 | 120 | 250 | 500 | 30 | 60 | 120 | 250 | 500 |
| | 2.070,- | 2.134,- | 2.807,- | 4.125,- | 4.624,- | 2.504,- | 2.596,- | 3.251,- | 4.568,- | 5.213,- |

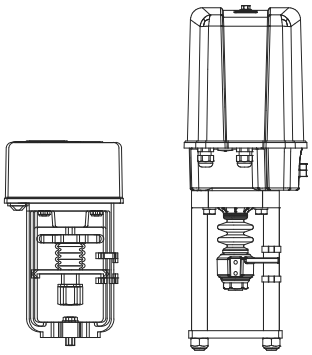
| **SCHIEBEL-actuators for control valves** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **standard** | | | | | **Ex** II2G EEx de IIC T4 | | | | |
| Type | **rAB3** | **rAB5** | **rAB8** | **rAB18** | **rAB40** | **exrAB3** | **exrAB5** | **exrAB8** | **exrAB18** | **exrAB40** |
| Torque Nm | 30 | 60 | 120 | 250 | 500 | 30 | 60 | 120 | 250 | 500 |
| | 2.884,- | 2.983,- | 3.970,- | 5.820,- | 6.975,- | 3.324,- | 3.435,- | 4.439,- | 6.368,- | 7.540,- |

| **Additional performance for accessories SCHIEBEL (r)AB3 - 18 (for standard and Ex)** | | | | | |
|---|---|---|---|---|---|
| **Tandem torque switches** | | for either direction 2 opening and 2 closing contacts | | | 52,- |
| **Tandem travel switches** | | for either direction 2 opening and 2 closing contacts | | | 52,- |
| **Gear device** | | for mechanical position indicator or electrical transmitter | | | 144,- |
| **Mechanical position indicator** [1] | | continuous (on/off) | | | 43,- |
| **Potentiometer** [1] | | Potentiometer basic 1000 Ohm (optional 100 / 200 / 500 / 5000 Ohm) | | standard | 77,- |
| | | | | Ex | 138,- |
| **Position indicator-ESG**[1] incl. Potentiometer | | 2/3-wire-system | output 4 - 20 mA | 2-wires ESG 2 | 545,- |
| | | | | 3-wires ESG 3 | 545,- |
| **Position indicator-ESM21** [1] contactless, wearless | | 2-wire-system | output 4 - 20 mA | | 1.041,- |
| **Position indicator-Kinax 3W2 Eex ia IIC T6** | | 2-wire-system | output 4 - 20 mA | | 2.819,- |
| **Intelligent integral controls SMARTCON** for 3-point regulation, bus control or control via 4-20mA signal | Standard version | Non-intrusive design - Setting of travel and torque control via button | CSC for (r)AB3 - (r)AB40 | | 1.990,- |
| | | | exCSC for ex(r)AB3 - ex(r)AB40 | | 3.102,- |
| | Option ER | Position feedback 4-20mA | | | 410,- |
| | Option SR | Positioner input signal 4-20mA | | | 453,- |
| | Option eW | Thyristor unit (electronic reversing starters) | | | 407,- |
| | Standard version for actuators with bus connection | Non-intrusive design - Setting of travel and torque control via button | CSC BUS for (r)AB3 - (r)AB40 | | 2.704,- |
| | | Profibus-DP Fieldbus[3] interface V0 | | | 345,- |
| | | Further BUS types and interfaces on request | | | |
| Further accessories on request | | | | | |

[1] Gear device is required

## Compact electric actuators ARI-PACO® / ARI-PACO® 2G

Type: ARI-PACO® 0,85 D; ARI-PACO® 2G 1,6 D;
Thrust force: 0,85 kN; 1,6 kN;
Electric connection: - ARI-PACO® 0,85 D: 230V50/60Hz; Input signal: 3-point
- ARI-PACO® 2G 1,6 D: 230V50/60Hz; Input signal: 3-point
Handwheel: standard
Protection class: IP 54



PACO® 0,85 D | PACO® 2G 1,6 D

| Actuator PACO® / PACO® 2G | PACO® | PACO® 2G |
|---|---|---|
| | 0,85 D | 1,6 D |
| **Thrust** | 0,85 kN | 1,6 kN |
| **Standard supply voltage** | 230V50/60Hz * | 230V50/60Hz |

| **Additional performance for other voltages** | | | |
|---|---|---|---|
| **Other supply voltages** | | 24V50/60Hz * | 24V AC/DC |
| Control speed | mm/s | 0,11 | 0,25 |
| Travel max. | mm | 20 | 40 |
| | | 428,- | 647,- |

***** Indicate when ordering: **50Hz or 60Hz actuator !**
Control speed and power consumption are 20% higher at frequency of 60 Hz

| **Additional performance for accessories** | | | |
|---|---|---|---|
| 2 add. limit switches | set | 82,- | 82,- |
| 1 potentiometer 1000 Ohm | piece | 101,- | 101,- |

## Process controller

Type: **Jumo Dtron 316 in Rittal control box**

- Sensor input for current loop
- Pre-parameterised for 0-6bar
- On-off switch
- 4-20mA output
- Optional: Profibus card

Voltage: 110-240V AC
Power consumption: max. 16 VA
Protection class: IP 65 (Controller)

| Process controller | |
|---|---|
| **110V - 240V AC** | 1.386,- (net) |
| **24V AC/DC** | on request |

| Additional performance | | |
|---|---|---|
| Putting into operation by ARI-customer service | | on request |
| Parameterisation of the controller to standard deviation parameter | Binary inputs | 55,- (net) |
| | Relay contacts | 55,- (net) |
| | Sensor inlet | 55,- (net) |
| PC interface with USB/TTL-transducer for easy operation start-up/ parameterisation of the controller (setup software: at **www.jumo.de**) | | 185,- (net) |
| Profibus card incl. parameterisation | | 549,- (net) |

## Pressure transducer

Type: **MIDAS S05 401010**

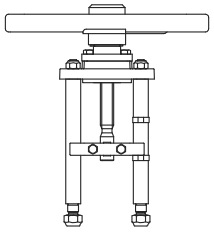
- According to DIN 16086 and DIN EN 60770
- Silicium sensor with separation membrane of stainless steel
- Pressure transfer medium: synthetic oil

Cable connection: 5 m (PVC)
Output signal: 4 - 20 mA, two-wire
Process connection: G 1/2

| Pressure transducer | 0 - 4 bar | 0 - 6 bar | 0 - 10 bar | 0 - 16 bar | 0 - 25 bar | 0 - 40 bar |
|---|---|---|---|---|---|---|
| **Standard** | 232,- (net) | | | | | |

## Manual handwheel actuator for control valves

Mounting parts: With coupling and travel indicator



| Manual handwheel actuators | | | | |
|---|---|---|---|---|
| **9300002001** Hand wheel-∅ 150 mm | for valve Fig. 470 | DN 15 - 32 | Travel 20 mm | 312,- |
| | for valve Fig. 405 / 440 / 445 / 450 | DN 15 - 50 | Travel 20 mm | 312,- |
| **9300000001** Hand wheel-∅ 150 mm | for valve Fig. 460 / 471 (max. permissible control force: 12 kN) | DN 15 - 32 | Travel 20 mm | 312,- |
| | for valve Fig. 441 / 446 / 451 | DN 15 - 50 | Travel 20 mm | 312,- |
| **9300100001** Hand wheel-∅ 225 mm | for valve Fig. 460 / 470 / 471 | DN 40 - 65 | Travel 30 mm | 501,- |
| | for valve Fig. 441 / 446 / 451 | DN 65 - 100 | Travel 30 mm | 501,- |
| **9300200001** Hand wheel-∅ 300 mm | for valve Fig. 460 | DN 80 - 125 | Travel 50 mm | 803,- |
| **9300210011** Hand wheel-∅ 300 mm | for valve Fig. 405 / 440 / 445 / 450 | DN 65 - 100 | Travel 30 mm | 501,- |
| | for valve Fig. 471 | DN 80 - 100 | Travel 30 mm | 501,- |
| **9300211011** Hand wheel-∅ 300 mm | for valve Fig. 470 | DN 80 - 100 | Travel 30 mm | 803,- |
| | for valve Fig. 450 (diverting valve) | DN 125 - 150 | Travel 65 mm | 803,- |
| **9300211041** Hand wheel-∅ 300 mm | for valve Fig. 405 / 440 / 445 / 470 / 471 / 450 (mixing valve) | DN 125 - 150 | Travel 65 mm | 803,- |
| **9300201051** Hand wheel-∅ 300 mm | for valve Fig. 441 / 446 / 451 | DN 125 - 150 | Travel 65 mm | 1.004,- |
| | for valve Fig. 460 | DN 150 - 250 | Travel 65 mm | 1.004,- |
| | for valve Fig. 462 / 463 | DN 200 - 250 | Travel 65 mm | 1.004,- |
| For larger diameters: Manual operating device with handwheel-∅ 400 mm on request. | | | | |

**Order data:**

1. Figure-No.
2. Nominal diameter (DN)
3. Nominal pressure (PN)
4. Body material
5. Plug design
6. Kvs-value
7. Flow characteristic
8. Stem sealing
9. Actuator
10. Special design / accessories

## Notes:

# ARI-PREDU® Fig.701

**Pressure reducing valve in straight through form with diaphragm actuator**

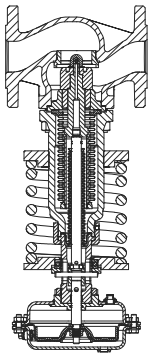


Fig. ...701 - DMA

PN 16 cast iron EN-JL1040
PN 16/25 nodular iron EN-JS1049
PN 40 cast steel 1.0619+N

Diaphragm: NBR max. 100°C (Standard)
EPDM max. 130°C

Action: Valve closes with increasing downstream pressure

| nominal diameter | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs-values | Standard | 3,2 | 5 | 8 | 12,5 | 20 | 32 | 50 | 80 | 125 | 190 | 280 |
| | Reduced | 0,1/0,4/ 1/2,5 | 0,1/0,4/ 1/2,5/4 | 0,1/0,4/ 1/2,5/4/6,3 | -- | -- | -- | -- | -- | -- | -- | -- |
| **downstream pressure ranges** | **actuator** | **Figure 12.701** | | | **body made of EN-JL1040 PN 16** | | | | | | | |
| 0,2 - 0,6 bar-ü | DMA 400 | 2.435,- | 2.511,- | 2.571,- | 2.748,- | 2.857,- | 3.007,- | 3.775,- | 4.045,- | 5.099,- | 6.309,- | 7.255,- |
| 0,5 - 1,2 bar-ü | DMA 250 | 2.160,- | 2.240,- | 2.297,- | 2.491,- | 2.583,- | 2.738,- | 3.506,- | 3.771,- | 4.820,- | 5.964,- | 6.860,- |
| 0,8 - 2,5 bar-ü | DMA 160 | 1.973,- | 2.054,- | 2.115,- | 2.297,- | 2.395,- | 2.551,- | 3.322,- | 3.600,- | 4.643,- | 5.744,- | 6.607,- |
| 2,0 - 5,0 bar-ü | DMA 80 | 1.937,- | 2.013,- | 2.069,- | 2.261,- | 2.345,- | 2.507,- | 3.541,- | 3.821,- | 4.867,- | 6.021,- | 6.924,- |
| 4,5 - 10,0 bar-ü | DMA 40 | 1.938,- | 2.006,- | 2.066,- | 2.483,- | 2.583,- | 2.732,- | 3.328,- | 3.588,- | 4.633,- | 5.736,- | 6.605,- |
| 8,0 - 16,0 bar-ü | DMA 40 | 2.162,- | 2.230,- | 2.291,- | 2.474,- | 2.571,- | 2.723,- | 3.541,- | 3.821,- | 4.861,- | 6.016,- | 6.741,- |
| **downstream pressure ranges** | **actuator** | **Figure 22.701 / 23.701** | | | **body made of EN-JS1049 PN 16 / 25** | | | | | | | |
| 0,2 - 0,6 bar-ü | DMA 400 | 2.622,- | 2.709,- | 2.787,- | 2.976,- | 3.083,- | 3.322,- | 4.117,- | 4.518,- | 5.625,- | 6.960,- | 8.003,- |
| 0,5 - 1,2 bar-ü | DMA 250 | 2.353,- | 2.446,- | 2.514,- | 2.704,- | 2.807,- | 3.048,- | 3.851,- | 4.232,- | 5.355,- | 6.626,- | 7.619,- |
| 0,8 - 2,5 bar-ü | DMA 160 | 2.171,- | 2.248,- | 2.337,- | 2.522,- | 2.622,- | 2.862,- | 3.664,- | 4.064,- | 5.172,- | 6.399,- | 7.360,- |
| 2,0 - 5,0 bar-ü | DMA 80 | 2.131,- | 2.218,- | 2.288,- | 2.483,- | 2.585,- | 2.821,- | 3.891,- | 4.281,- | 5.379,- | 6.657,- | 7.656,- |
| 4,5 - 10,0 bar-ü | DMA 40 | 2.133,- | 2.227,- | 2.289,- | 2.709,- | 2.804,- | 3.054,- | 3.664,- | 4.062,- | 5.176,- | 6.644,- | 7.647,- |
| 8,0 - 16,0 bar-ü | DMA 40 | 2.354,- | 2.445,- | 2.513,- | 2.710,- | 2.808,- | 3.053,- | 3.891,- | 4.281,- | 5.381,- | 6.659,- | 7.659,- |
| **downstream pressure ranges** | **actuator** | **Figure 34.701 / 35.701** | | | **body made of 1.0619+N PN 25 / 40** | | | | | | | |
| 0,2 - 0,6 bar-ü | DMA 400 | 3.212,- | 3.340,- | 3.522,- | 3.762,- | 4.043,- | 4.349,- | 5.738,- | 6.164,- | 7.699,- | 9.529,- | 10.480,- |
| 0,5 - 1,2 bar-ü | DMA 250 | 2.940,- | 3.066,- | 3.249,- | 3.487,- | 3.774,- | 4.073,- | 5.466,- | 5.885,- | 7.422,- | 9.205,- | 10.530,- |
| 0,8 - 2,5 bar-ü | DMA 160 | 2.758,- | 2.890,- | 3.063,- | 3.308,- | 3.588,- | 3.891,- | 5.286,- | 5.705,- | 7.236,- | 8.956,- | 10.311,- |
| 2,0 - 5,0 bar-ü | DMA 80 | 2.723,- | 2.847,- | 3.022,- | 3.266,- | 3.545,- | 3.852,- | 5.513,- | 5.927,- | 7.457,- | 9.229,- | 10.614,- |
| 4,5 - 10,0 bar-ü | DMA 40 | 2.729,- | 2.848,- | 3.024,- | 3.487,- | 3.774,- | 4.070,- | 5.281,- | 5.705,- | 7.237,- | 8.956,- | 10.301,- |
| 8,0 - 16,0 bar-ü | DMA 40 | 2.940,- | 3.064,- | 3.244,- | 3.489,- | 3.768,- | 4.070,- | 5.512,- | 5.924,- | 7.466,- | 9.238,- | 10.628,- |

| Additional performance | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water seal pot, elbows and funnel | | incl. in the price (the waterseal pot is not required if the temperature of the flow media liquids and gases is lower than the maximal permitted operation temperature of the diaphragm. Price reduction: 106,- EUR) | | | | | | | | | | |
| Flow divider | | 203,- | 203,- | 227,- | 227,- | 280,- | 280,- | 384,- | 461,- | 667,- | 890,- | 1.250,- |
| Plug with PTFE soft sealing | | 305,- | 305,- | 305,- | 305,- | 314,- | 331,- | 447,- | 507,- | 661,- | 821,- | 954,- |

Special flange drillings refer to page 204.

**To minimize valve wearing, a strainer has to be installed in front of the pressure reducing valve.**

Design acc. to data sheet

**ARI-PREDU®-ANSI on request.**

**Order data:** 1. Figure-No.; 2. Nominal diameter (DN); 3. Nominal pressure (PN); 4. Body material; 5. Plug design; 6. Kvs-value; 7. Pressure ranges; 8. Actuator design; 9. Special design / accessories

# ARI-PREDEX® Fig.705

**Excess pressure regulator in straight through form with diaphragm actuator**

PN 16 cast iron EN-JL1040
PN 16/25 nodular iron EN-JS1049
PN 40 cast steel 1.0619+N

Diaphragm: NBR max. 100°C (Standard)
EPDM max. 110°C

Action: Valve opens with increasing upstream pressure

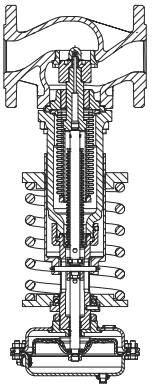


**Fig. ...705 - UDA**

| nominal diameter | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs-values | Standard | 3,2 | 5 | 8 | 12,5 | 20 | 32 | 50 | 80 | 125 | 190 | 280 |
| | Reduced | 0,1/0,4/ 1/2,5 | 0,1/0,4/ 1/2,5/4 | 0,1/0,4/ 1/2,5/4/6,3 | -- | -- | -- | -- | -- | -- | -- | -- |
| **Inlet pressure ranges** | **actuator** | **Figure 12.705** | | | | **body made of EN-JL1040 PN 16** | | | | | | |
| 0,2 - 0,6 bar-ü | UDA 400 | 2.677,- | 2.763,- | 2.829,- | 3.023,- | 3.144,- | 3.308,- | 4.151,- | 4.448,- | 5.609,- | 7.010,- | 8.063,- |
| 0,5 - 1,2 bar-ü | UDA 250 | 2.374,- | 2.464,- | 2.526,- | 2.740,- | 2.843,- | 3.011,- | 3.858,- | 4.147,- | 5.301,- | 6.628,- | 7.620,- |
| 0,8 - 2,5 bar-ü | UDA 160 | 2.170,- | 2.258,- | 2.327,- | 2.526,- | 2.633,- | 2.805,- | 3.654,- | 3.958,- | 5.106,- | 6.383,- | 7.341,- |
| 2,0 - 5,0 bar-ü | UDA 80 | 2.131,- | 2.214,- | 2.276,- | 2.487,- | 2.579,- | 2.755,- | 3.895,- | 4.202,- | 5.354,- | 6.691,- | 7.694,- |
| 4,5 - 10,0 bar-ü | UDA 40 | 2.132,- | 2.207,- | 2.273,- | 2.733,- | 2.843,- | 3.005,- | 3.660,- | 3.946,- | 5.098,- | 6.373,- | 7.338,- |
| 8,0 - 16,0 bar-ü | UDA 40 | 2.378,- | 2.452,- | 2.520,- | 2.723,- | 2.829,- | 2.996,- | 3.895,- | 4.202,- | 5.347,- | 6.684,- | 7.691,- |
| **Inlet pressure ranges** | **actuator** | **Figure 22.705 / 23.705** | | | | **body made of EN-JS1049 PN 16 / 25** | | | | | | |
| 0,2 - 0,6 bar-ü | UDA 400 | 2.885,- | 2.978,- | 3.066,- | 3.276,- | 3.392,- | 3.654,- | 4.527,- | 4.970,- | 6.186,- | 7.734,- | 8.894,- |
| 0,5 - 1,2 bar-ü | UDA 250 | 2.587,- | 2.690,- | 2.767,- | 2.973,- | 3.089,- | 3.351,- | 4.237,- | 4.655,- | 5.890,- | 7.362,- | 8.465,- |
| 0,8 - 2,5 bar-ü | UDA 160 | 2.390,- | 2.473,- | 2.571,- | 2.776,- | 2.885,- | 3.152,- | 4.029,- | 4.471,- | 5.689,- | 7.111,- | 8.178,- |
| 2,0 - 5,0 bar-ü | UDA 80 | 2.344,- | 2.441,- | 2.516,- | 2.733,- | 2.845,- | 3.103,- | 4.279,- | 4.709,- | 5.917,- | 7.397,- | 8.508,- |
| 4,5 - 10,0 bar-ü | UDA 40 | 2.346,- | 2.449,- | 2.517,- | 2.978,- | 3.083,- | 3.359,- | 4.269,- | 4.700,- | 5.909,- | 7.387,- | 8.495,- |
| 8,0 - 16,0 bar-ü | UDA 40 | 2.588,- | 2.689,- | 2.766,- | 2.981,- | 3.090,- | 3.358,- | 4.279,- | 4.709,- | 5.919,- | 7.400,- | 8.510,- |
| **Inlet pressure ranges** | **actuator** | **Figure 34.705 / 35.705** | | | | **body made of 1.0619+N PN 25 / 40** | | | | | | |
| 0,2 - 0,6 bar-ü | UDA 400 | 3.532,- | 3.675,- | 3.874,- | 4.137,- | 4.446,- | 4.783,- | 6.310,- | 6.779,- | 8.469,- | 10.586,- | 11.644,- |
| 0,5 - 1,2 bar-ü | UDA 250 | 3.233,- | 3.374,- | 3.574,- | 3.834,- | 4.151,- | 4.484,- | 6.035,- | 6.472,- | 8.164,- | 10.229,- | 11.745,- |
| 0,8 - 2,5 bar-ü | UDA 160 | 3.037,- | 3.178,- | 3.369,- | 3.638,- | 3.946,- | 4.279,- | 5.812,- | 6.276,- | 7.960,- | 9.951,- | 11.457,- |
| 2,0 - 5,0 bar-ü | UDA 80 | 2.996,- | 3.130,- | 3.326,- | 3.591,- | 3.899,- | 4.238,- | 6.064,- | 6.521,- | 8.202,- | 10.254,- | 11.792,- |
| 4,5 - 10,0 bar-ü | UDA 40 | 3.002,- | 3.131,- | 3.328,- | 3.834,- | 4.151,-- | 4.477,- | 5.807,- | 6.276,- | 7.961,- | 9.950,- | 11.444,- |
| 8,0 - 16,0 bar-ü | UDA 40 | 3.233,- | 3.372,- | 3.570,- | 3.837,- | 4.143,- | 4.477,- | 6.062,- | 6.519,- | 8.212,- | 10.264,- | 11.809,- |

**Press.red. PREDU® / Exc.pr.red. PREDEX®**

| Additional performance | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water seal pot, elbows and funnel | | incl. in the price (the waterseal pot is not required if the temperature of the flow media liquids and gases is lower than the maximal permitted operation temperature of the diaphragm. Price reduction: 106,- EUR) | | | | | | | | | | |
| Flow divider | | 203,- | 203,- | 227,- | 227,- | 280,- | 280,- | 384,- | 461,- | 667,- | 890,- | 1.250,- |
| Plug with PTFE soft sealing | | 305,- | 305,- | 305,- | 305,- | 314,- | 331,- | 447,- | 507,- | 661,- | 821,- | 954,- |

Special flange drillings refer to page 204.

**To minimize valve wearing, a strainer has to be installed in front of the excess pressure regulator.**

Design acc. to data sheet

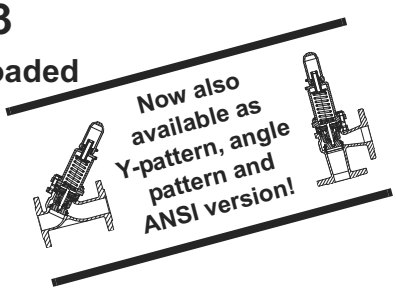
**ARI-PREDEX®-ANSI on request.**

**Order data:** 1. Figure-No.; 2. Nominal diameter (DN); 3. Nominal pressure (PN); 4. Body material; 5. Plug design; 6. Kvs-value; 7. Pressure ranges; 8. Actuator design; 9. Special design / accessories

# ARI-PRESO® Fig.753

**Pressure regulating valve, spring loaded**

PN 16 cast iron EN-JL1040
PN 16 nodular iron EN-JS1049
PN 16 stainless steel 1.4408
PN 16 cast steel 1.0619+N




Action: Valve opens with rising differential pressure

**German "TA-Luft" TÜV-Test-No. 922-9241371**

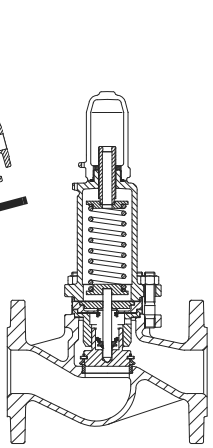


Fig. ...753

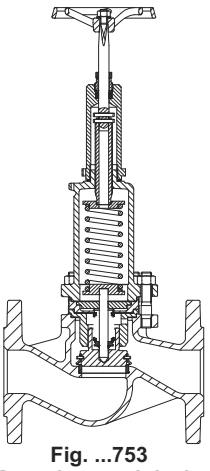


Fig. ...753
Manual control device

| nominal diameter | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|
| Kvs-values | | 2 | 2,5 | 3 | 5 | 10 | 20 | 22 | 29 | 45 |
| **Pressure range** | | **Figure 12.753** | | | **body made of EN-JL1040 PN 16** | | | | | |
| 0,5 - 1,5 bar | | 812,- | 841,- | 998,- | 1.053,- | 1.190,- | 1.439,- | 1.716,- | 2.262,- | 2.525,- |
| 1,0 - 3,0 bar | | | | | | | | | | |
| 2,0 - 5,0 bar | | | | | | | | | | |
| 4,0 - 10 bar | | | | | | | | | | |
| **Pressure range** | | **Figure 22.753** | | | **body made of EN-JS1049 PN 16** | | | | | |
| 0,5 - 1,5 bar | | 866,- | 909,- | 1.092,- | 1.176,- | 1.325,- | 1.576,- | 1.907,- | 2.525,- | 2.820,- |
| 1,0 - 3,0 bar | | | | | | | | | | |
| 2,0 - 5,0 bar | | | | | | | | | | |
| 4,0 - 10 bar | | | | | | | | | | |
| **Pressure range** | | **Figure 32.753** | | | **body made of 1.0619+N PN 16** | | | | | |
| 0,5 - 1,5 bar | | 933,- | 996,- | 1.218,- | 1.344,- | 1.537,- | 1.868,- | 2.174,- | 2.887,- | 3.301,- |
| 1,0 - 3,0 bar | | | | | | | | | | |
| 2,0 - 5,0 bar | | | | | | | | | | |
| 4,0 - 10 bar | | | | | | | | | | |
| **Pressure range** | | **Figure 52.753** | | | **body made of 1.4408 PN 16** | | | | | |
| 0,5 - 1,5 bar | | 1.385,- | 1.474,- | 1.785,- | 1.927,- | 2.169,- | 3.035,- | 3.664,- | 4.858,- | 8.667,- |
| 1,0 - 3,0 bar | | | | | | | | | | |
| 2,0 - 5,0 bar | | | | | | | | | | |
| 4,0 - 10 bar | | | | | | | | | | |
| **additional performance** | **DN** | **15** | **20** | **25** | **32** | **40** | **50** | **65** | **80** | **100** |
| Manual control device | | 287,- | 287,- | 287,- | 287,- | 287,- | 287,- | 360,- | 360,- | 360,- |
| Plug design PTFE (max. 200°C) | | 194,- | 194,- | 194,- | 194,- | 210,- | 217,- | 291,- | 335,- | 433,- |
| Special flange drilling | | refer to page 204 | | | | | | | | |

Design acc. to data sheet

**Order data:** 1. Figure-No.; 2. Nominal diameter (DN); 3. Nominal pressure (PN); 4. Body material; 5. Plug design; 6. Kvs-value; 7. Pressure range; 8. Special design / accessories

# ARI-TEMPTROL® Fig. 771/772

**Thermal closing valves acc. to DIN EN 14597**

**TÜV-approval: VdTÜV Reg.-No. TR910/TW911**

PN 16 cast iron EN-JL1040
PN 16/25 nodular iron EN-JS1049
PN 40 cast steel 1.0619+N
PN 40 stainless steel 1.4408

Fig. 12./22./23./35./55.771 without cooling spacer - max. 150°C
Fig. 12./22./23./35./55.772 with cooling spacer - max. 300°C

Action: closes with rising temperature

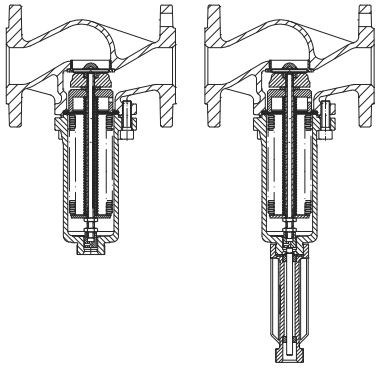


**Fig. ...771** **Fig. ...772**

**Optional: Version LC without balancing bellow on request**
PN 16 cast iron EN-JL1040 DN15-50:
Fig. 12.771....1..1 without cooling spacer - max. 130°C
Fig. 12.772....1..1 with cooling spacer - max. 250°C

| nominal diameter | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs-values | | standard | | 4 | 6,3 | 10 | 16 | 22 | 32 | 50 | 70 | 80 |
| | | reduced | | 0,4 / 1 | -- | -- | -- | -- | -- | -- | -- | -- |
| PN 16 | EN-JL1040 | Fig. 12.771 | | 581,- | 887,- | 887,- | 944,- | 1.148,- | 1.245,- | 2.661,- | 3.123,- | 3.914,- |
| | | Fig. 12.772 | | 622,- | 933,- | 933,- | 989,- | 1.196,- | 1.297,- | 2.720,- | 3.209,- | 3.980,- |
| | EN-JS1049 | Fig. 22.771 | | 837,- | 1.335,- | 1.335,- | 1.415,- | 1.716,- | 1.863,- | 3.281,- | 3.746,- | 4.745,- |
| | | Fig. 22.772 | | 923,- | 1.395,- | 1.395,- | 1.473,- | 1.779,- | 1.913,- | 3.343,- | 3.830,- | 4.807,- |
| PN 25 | EN-JS1049 | Fig. 23.771 | | 837,- | 1.335,- | 1.335,- | 1.415,- | 1.716,- | 1.863,- | 3.330,- | 3.867,- | 5.316,- |
| | | Fig. 23.772 | | 923,- | 1.395,- | 1.395,- | 1.473,- | 1.779,- | 1.913,- | 3.391,- | 3.892,- | 5.366,- |
| PN 40 | 1.0619+N | Fig. 35.771 | | 1.061,- | 1.352,- | 1.352,- | 1.471,- | 1.735,- | 2.013,- | 3.531,- | 4.080,- | 5.731,- |
| | | Fig. 35.772 | | 1.124,- | 1.414,- | 1.414,- | 1.541,- | 1.803,- | 2.078,- | 3.715,- | 4.146,- | 5.797,- |
| | 1.4408 | Fig. 55.771 | | 1.297,- | 2.066,- | 2.066,- | 2.193,- | 2.662,- | 2.888,- | 4.023,- | 5.369,- | 7.445,- |
| | | Fig. 55.772 | | 1.430,- | 2.162,- | 2.162,- | 2.286,- | 2.755,- | 2.964,- | 4.096,- | 5.466,- | 7.542,- |

# ARI-TEMPTROL® Fig. 771 LCG

**Thermal closing valves acc. to DIN EN 14597**

**TÜV-approval: VdTÜV Reg.-No. TR910/TW911**

PN 16 red brass CC499K

**Version LCG without balancing bellow**

Fig. 72.771....2..1 with EPDM soft sealing - max. 130°C

Action: closes with rising temperature

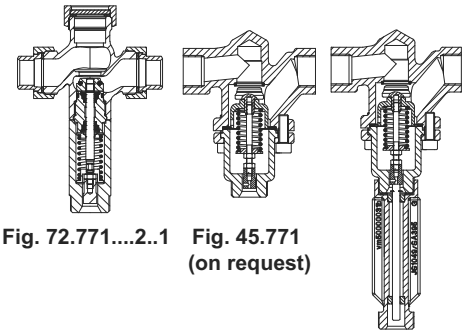


**Fig. 72.771....2..1** **Fig. 45.771 (on request)** **Fig. 45.772 (on request)**

Pr.regul.v. PRESO®/ Temp.reg. TEMPTROL®

| nominal diameter | | | DN | 15 | 20 | 25 | 32 | 40 | 50 |
|---|---|---|---|---|---|---|---|---|---|
| | | | G1 | G 1/2 | G 3/4 | G 1 | G 1 1/4 | G 1 1/2 | G 2 |
| | | | G2 | G 1 1/8 | G 1 1/4 | G 1 1/2 | G 2 | G 2 1/4 | G 2 3/4 |
| Kvs-values | | standard | | 4 | 6,3 | 10 | 16 | 25 | 40 |
| PN 16 | CC499K | Fig. 72.771....2..1 (LCG) | | 445,- | 532,- | 645,- | PN40 of SA105 on request | | |

**Version LCG without balancing bellow of forged steel on request:**

PN 40 forged steel SA105: Fig. 45.771....2..1 without cooling spacer - max. 130°C
Fig. 45.772....2..1 with cooling spacer - max. 250°C

Design acc. to data sheet

Special flange drillings and threads refer to page 204

**Order data:** 1. Figure-No.; 2. Nominal diameter (DN); 3. Nominal pressure (PN); 4. Body material; 5. Kvs-value; 6. ΔP; 7. Medium

# ARI-TEMPTROL® Fig. 775

**Thermal opening valves acc. to DIN EN 14597**

**TÜV-approval: VdTÜV Reg.-No. TR910/TW911**

PN 16 cast iron EN-JL1040
PN 16/25 nodular iron EN-JS1049
PN 40 cast steel 1.0619+N
PN 40 stainless steel 1.4408

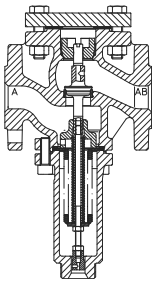


Fig. ...775

Fig. 12./22./23./35./55.775 without cooling spacer - max. 150°C
Fig. 12.775LC without balancing bellow - max. 150°C
(>150°C on request)

Action: opens with rising temperature

**Optional: Version LC without balancing bellow on request**
PN 16 cast iron EN-JL1040 DN15-50:
Fig. 12.775....1..1 without cooling spacer - max. 130°C

| nominal diameter | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs-values | | standard | | 4 | 6,3 | 10 | 16 | 22 | 32 | 50 | 70 | 80 |
| | | reduced | | 0,4 / 1 | -- | -- | -- | -- | -- | -- | -- | -- |
| PN 16 | EN-JL1040 | Fig. 12.775 | | 1.053,- | 1.252,- | 1.346,- | 1.502,- | 1.639,- | 1.741,- | 2.527,- | 2.639,- | 4.026,- |
| PN 16 | EN-JS1049 | Fig. 22.775 | | 1.273,- | 1.462,- | 1.584,- | 1.717,- | 1.926,- | 2.075,- | 2.771,- | 3.048,- | 4.409,- |
| PN 25 | EN-JS1049 | Fig. 23.775 | | 1.273,- | 1.462,- | 1.584,- | 1.717,- | 1.926,- | 2.075,- | 2.891,- | 3.165,- | 4.523,- |
| PN 40 | 1.0619+N | Fig. 35.775 | | 1.442,- | 1.647,- | 1.827,- | 2.051,- | 2.306,- | 2.475,- | 3.306,- | 3.751,- | 5.281,- |
| PN 40 | 1.4408 | Fig. 55.775 | | 2.163,- | 2.484,- | 2.692,- | 2.919,- | 3.274,- | 3.528,- | 4.491,- | 5.854,- | 7.685,- |

# ARI-TEMPTROL® Fig. 775 LCG

**Thermal opening valves acc. to DIN EN 14597**

**TÜV-approval: VdTÜV Reg.-No. TR910/TW911**

PN 16 red brass CC499K

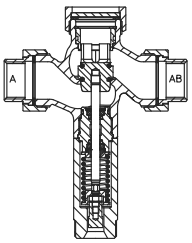


Fig. ...775....2..1

**Version LCG without balancing bellow**

Fig. 72.775....2..1 with EPDM soft sealing - max. 130°C

Action: opens with rising temperature

| nominal diameter | | | DN | 15 | 20 | 25 | 32 | 40 | 50 |
|---|---|---|---|---|---|---|---|---|---|
| | | | G1 | G 1/2 | G 3/4 | G 1 | G 1 1/4 | G 1 1/2 | G 2 |
| | | | G2 | G 1 1/8 | G 1 1/4 | G 1 1/2 | G 2 | G 2 1/4 | G 2 3/4 |
| Kvs-values | | standard | | 4 | 6,3 | 10 | 16 | 25 | 40 |
| PN 16 | CC499K | Fig. 72.775....2..2 (LCG) | | 518,- | 631,- | 727,- | 783,- | 912,- | 1.004,- |

Design acc. to data sheet

Special flange drillings and threads refer to page 204

**Order data:** 1. Figure-No.; 2. Nominal diameter (DN); 3. Nominal pressure (PN); 4. Body material; 5. Kvs-value; 6. ΔP; 7. Medium

# ARI-TEMPTROL® Fig. 773/774

**Thermal mixing/diverting valves acc. to DIN EN 14597**

**TÜV-approval: VdTÜV Reg.-No. TR910/TW911**

PN 16 cast iron EN-JL1040
PN 16/25 nodular iron EN-JS1049
PN 40 cast steel 1.0619+N
PN 40 stainless steel 1.4408

Fig. 12./22./23./35./55.773 without cooling spacer - max. 150°C
Fig. 12./22./23./35./55.774 with cooling spacer - max. 300°C

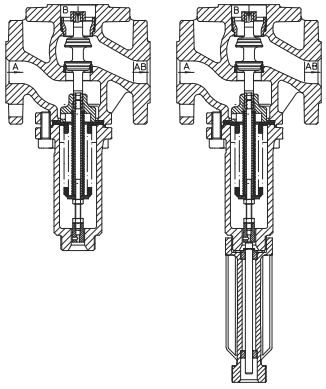


Fig. ...773 Fig. ...774

Action of mixing function:
reduces / closes inlet B with rising temperature
Action of diverting function:
reduces / closes outlet B with rising temperature

**Optional: Version LC without balancing bellow on request**
PN 16 cast iron EN-JL1040 DN15-50 :
Fig. 12.773....1..1 without cooling spacer - max. 130°C
Fig. 12.774....1..1 with cooling spacer - max. 250°C

| nominal diameter | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs-values | | standard | | 4 | 6,3 | 10 | 16 | 22 | 32 | 50 | 70 | 80 |
| | | reduced | | 0,4 / 1 | -- | -- | -- | -- | -- | -- | -- | -- |
| PN 16 | EN-JL1040 | Fig. 12.773 | | 1.065,- | 1.264,- | 1.363,- | 1.523,- | 1.698,- | 1.785,- | 2.959,- | 3.309,- | 4.877,- |
| | | Fig. 12.774 | | 1.121,- | 1.323,- | 1.425,- | 1.609,- | 1.759,- | 1.845,- | 3.010,- | 3.371,- | 4.939,- |
| | EN-JS1049 | Fig. 22.773 | | 1.285,- | 1.489,- | 1.620,- | 1.785,- | 1.962,- | 2.135,- | 3.403,- | 3.565,- | 5.404,- |
| | | Fig. 22.774 | | 1.346,- | 1.545,- | 1.669,- | 1.840,- | 2.035,- | 2.187,- | 3.627,- | 4.661,- | 5.464,- |
| PN 25 | EN-JS1049 | Fig. 23.773 | | 1.285,- | 1.489,- | 1.620,- | 1.785,- | 1.962,- | 2.135,- | 3.501,- | 3.682,- | 5.608,- |
| | | Fig. 23.774 | | 1.346,- | 1.545,- | 1.669,- | 1.840,- | 2.035,- | 2.187,- | 3.700,- | 4.721,- | 5.535,- |
| PN 40 | 1.0619+N | Fig. 35.773 | | 1.414,- | 1.648,- | 1.941,- | 2.463,- | 2.670,- | 3.086,- | 4.355,- | 4.909,- | 6.767,- |
| | | Fig. 35.774 | | 1.473,- | 1.712,- | 2.004,- | 2.522,- | 2.736,- | 3.155,- | 4.435,- | 4.976,- | 6.830,- |
| | 1.4408 | Fig. 55.773 | | 2.184,- | 2.526,- | 2.753,- | 3.035,- | 3.335,- | 3.631,- | 4.877,- | 5.700,- | 7.671,- |
| | | Fig. 55.774 | | 2.288,- | 2.627,- | 2.839,- | 3.127,- | 3.460,- | 3.718,- | 4.942,- | 5.769,- | 7.744,- |

# ARI-TEMPTROL® Fig. 773 LCG

**Thermal mixing/diverting valves acc. to DIN EN 14597**

**TÜV-approval: VdTÜV Reg.-No. TR910/TW911**

PN 16 red brass CC499K

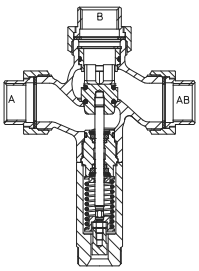


Fig. 72.773....2..1

**Version LCG without balancing bellow**

Fig. 72.773....2..1 with EPDM soft sealing - max. 130°C

Action of mixing function:
reduces / closes inlet B with rising temperature
Action of diverting function:
reduces / closes outlet B with rising temperature

| nominal diameter | | | DN | 15 | 20 | 25 | 32 | 40 | 50 |
|---|---|---|---|---|---|---|---|---|---|
| | | | G1 | G 1/2 | G 3/4 | G 1 | G 1 1/4 | G 1 1/2 | G 2 |
| | | | G2 | G 1 1/8 | G 1 1/4 | G 1 1/2 | G 2 | G 2 1/4 | G 2 3/4 |
| Kvs-values | | standard | | 4 | 6,3 | 10 | 16 | 25 | 40 |
| PN 16 | CC499K | Fig. 72.773....2..1 (LCG) | | 463,- | 564,- | 671,- | 728,- | 852,- | 943,- |

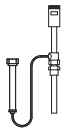
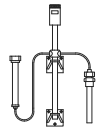
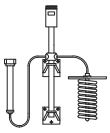
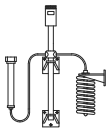
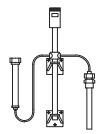
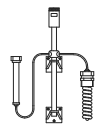
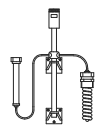
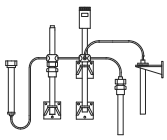
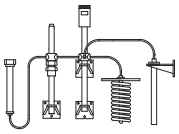
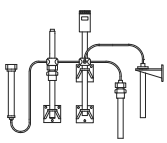
Design acc. to data sheet

Special flange drillings and threads refer to page 204

**Order data:** 1. Figure-No.; 2. Nominal diameter (DN); 3. Nominal pressure (PN); 4. Body material; 5. Kvs-value; 6. ΔP; 7. Medium

# ARI-TEMPTROL® Fig. 771/772/773/774/775

**Thermal controller / detector acc. to DIN EN 14597**

| | Type | | | | Size | Setting range | Temperature sensor version |
|---|---|---|---|---|---|---|---|
| | Thermal controller | | Thermal detector | | | | |
|  | 9900386011 | 921,- | 9900387611 | 980,- | I | -20°C ... +50°C<br>0 ... +70°C<br>+30 ... +100°C<br>+60 ... +130°C | Temperature sensor and set-point adjusting knob in one unit., Stainless steel 1.4541 (optional sensor pocket) |
| | 9900386021 | 935,- | 9900387621 | 998,- | II | | |
| | 9900386031 | 968,- | 9900387631 | 1.029,- | III | | |
|  | 9900386041 | 1.138,- | 9900387641 | 1.199,- | I | -20°C ... +50°C<br>0 ... +70°C<br>+30 ... +100°C<br>+60 ... +130°C<br>+130 ... +200°C | Rod sensor, nickel-plated brass (optional sensor pocket) |
| | 9900386051 | 1.156,- | 9900387651 | 1.215,- | II | | |
| | 9900386061 | 1.180,- | 9900387661 | 1.240,- | III | | |
|  | 9900386071 | 1.286,- | 9900387671 | 1.347,- | I | | Spiral sensor for gas Copper blank with flange |
| | 9900386081 | 1.307,- | 9900387681 | 1.369,- | II | | |
| | 9900386091 | 1.335,- | 9900387691 | 1.395,- | III | | |
|  | 9900386101 | 1.188,- | 9900387701 | 1.246,- | I | | Spiral sensor for gas Copper blank with bracket |
| | 9900386111 | 1.219,- | 9900387711 | 1.279,- | II | | |
| | 9900386121 | 1.245,- | 9900387721 | 1.305,- | III | | |
|  | 9900386131 | 1.519,- | 9900387731 | 1.595,- | I | | Rod sensor, Stainless steel 1.4541 (optional sensor pocket) |
| | 9900386141 | 1.562,- | 9900387741 | 1.638,- | II | | |
| | 9900386151 | 1.613,- | 9900387751 | 1.687,- | III | | |
|  | 9900386311 | 1.470,- | 9900387911 | 1.547,- | I | -20°C ... +50°C<br>0 ... +70°C<br>+30 ... +100°C<br>+60 ... +130°C | Spiral sensor for gas and liquids, nickel-plated copper |
| | 9900386321 | 1.519,- | 9900387921 | 1.595,- | II | | |
| | 9900386331 | 1.538,- | 9900387931 | 1.614,- | III | | |
|  | 9900386341 | 2.024,- | 9900387941 | 2.100,- | I | -20°C ... +50°C<br>0 ... +70°C<br>+30 ... +100°C<br>+60 ... +130°C<br>+130 ... +200°C | Spiral sensor for gas and liquids, Stainless steel 1.4541 |
| | 9900386351 | 2.113,- | 9900387951 | 2.188,- | II | | |
| | 9900386361 | 2.307,- | 9900387961 | 2.384,- | III | | |
|  | 9900387461 | 3.569,- | | | I | +30 ... +105°C<br>trend scale | Rod sensor, nickel plated brass (optional sensor pocket) outdoor rod sensor, stainl. st. 1.4541 (with bracket) |
| | 9900387471 | 3.569,- | | | II | | |
| | 9900387481 | 3.569,- | | | III | | |
| | Detector-volume ratio 1 : 2,5 | | | | | | |
|  | 9900387491 | 3.490,- | | | I | +10 ... +50°C<br>trend scale | Spiral sensor for gas, Copper blank with flange outdoor rod sensor, stainl. st. 1.4541 (with bracket) |
| | 9900387501 | 3.490,- | | | II | | |
| | 9900387511 | 3.490,- | | | III | | |
| | Detector-volume ratio 1 : 1,8 | | | | | | |
|  | 9900387581 | 3.562,- | | | I | +25 ... +95°C<br>trend scale | Rod sensor, nickel plated brass (optional sensor pocket) outdoor rod sensor, stainl. st. 1.4541 (with bracket) |
| | 9900387591 | 3.562,- | | | II | | |
| | 9900387601 | 3.562,- | | | III | | |
| | Detector-volume ratio 1 : 1,9 | | | | | | |

# ARI-TEMPTROL® Fig. 771/772/773/774/775

## Accessories

| additional performance for accessories | | | | |
|---|---|---|---|---|
| Manual control device | | | Type 990039001 | 285,- |
| Sensor pocket (brass) | **for thermal controller** | **for thermal detector** | | |
| | 9900386011 | 9900387611 | Type 990038600Z22 | 149,- |
| | 9900386021 | 9900387621 | Type 990038600Z24 | 161,- |
| | 9900386031 | 9900387631 | Type 990038600Z26 | 187,- |
| | 9900386041 | 9900387641 | Type 990038600Z21 | 121,- |
| | 9900386051 | 9900387651 | Type 990038600Z23 | 155,- |
| | 9900386061 | 9900387661 | Type 990038600Z25 | 170,- |
| | 9900386131 | 9900387731 | Typ 990038600Z21 | 121,- |
| | 9900386141 | 9900387741 | Typ 990038600Z23 | 155,- |
| | 9900386151 | 9900387751 | Typ 990038600Z25 | 170,- |
| Sensor pocket (stainless steel) | **for thermal controller** | **for thermal detector** | | |
| | 9900386011 | 9900387611 | Type 990038600Z32 | 166,- |
| | 9900386021 | 9900387621 | Type 990038600Z34 | 184,- |
| | 9900386031 | 9900387631 | Type 990038600Z36 | 214,- |
| | 9900386041 | 9900387641 | Type 990038600Z31 | 139,- |
| | 9900386051 | 9900387651 | Type 990038600Z33 | 176,- |
| | 9900386061 | 9900387661 | Type 990038600Z35 | 194,- |
| | 9900386131 | 9900387731 | Typ 990038600Z31 | 139,- |
| | 9900386141 | 9900387741 | Typ 990038600Z33 | 176,- |
| | 9900386151 | 9900387751 | Typ 990038600Z35 | 194,- |

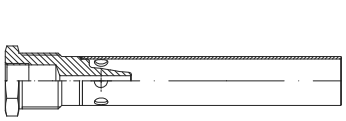
| additional performance | | |
|---|---|---|
| Capillary tube | Length 2 m | no add. performance |
| | Length 4 m * | 65,- |
| | Length 8 m * | 178,- |
| | Length 16 m * | 398,- |

Design acc. to data sheet * Additional performances valid for each single tube (L1, L2, L3).

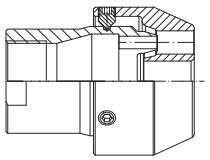
**Order data:** 1. Type-No.; 2. Temperature range; 3. Length of capillary tube

## Steam injector

| Types of connection: | BR |
|---|---|
| Rp 1/2 internal and R1 external thread DIN EN10226-1 | 651....2 (DN15) |
| R1-R1 1/2 internal thread DIN EN10226-1 | 651....2 (DN25 - 40) |
| Butt weld ends | 651....4 (DN25 - 40) |



BR 651 (1/2")



BR 651 (1" - 1 1/2")

| I84 | | | ΔPMX | TS | DN - NPS | | |
|---|---|---|---|---|---|---|---|
| | | Figure | bar | °C | 15 - 1/2" | 25 - 1" | 40 - 1 1/2" |
| PN 25 | 1.4301 | 54.651....2 | 17 | 207 | 284,- | -- | -- |
| | 1.4305 | | | | -- | 349,- | 506,- |
| | 1.4301 | 54.651....4 | | | -- | 349,- | 506,- |

Design acc. to data sheet

**Notes**:

# ARI-FABA®-Plus

**Stop valves with bellows seal - maintenance-free metallic sealing**
PN 16 up to 300°C
cast iron EN-JL1040

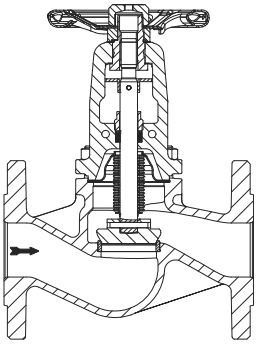


Fig. 12.046

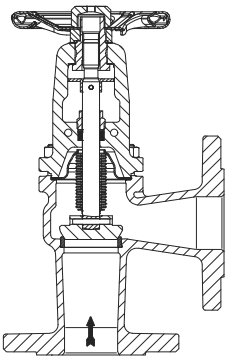


Fig. 12.047

**German"TA-Luft" (clean air act)**
**TÜV-Testl-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1**

| G31 | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| PN 16 Straight through | Fig. 12.046 | 127,- | 141,- | 159,- | 187,- | 215,- | 264,- | 360,- | 458,- | 601,- | 959,- | 1.206,- | 2.783,- | 4.304,- | 6.239,- |
| | regulating plug | 158,- | 167,- | 193,- | 225,- | 259,- | 321,- | 437,- | 562,- | 731,- | 1.138,- | 1.433,- | 3.073,- | 4.689,- | 6.726,- |

| I36 | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| PN 16 Angle pattern | Fig. 12.047 | 149,- | 163,- | 189,- | 226,- | 257,- | 314,- | 427,- | 548,- | 820,- | 1.116,- | 1.606,- | 3.223,- | 4.982,- | 7.274,- |
| | regulating plug | 177,- | 193,- | 222,- | 265,- | 302,- | 372,- | 503,- | 653,- | 950,- | 1.297,- | 1.832,- | 3.524,- | 5.379,- | 7.777,- |

| additional performance | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| plug design | PTFE (max.200°C) | 45,- | 45,- | 57,- | 64,- | 67,- | 71,- | 75,- | 81,- | 96,- | 100,- | 131,- | 275,- | 398,- | 480,- |
| | balancing plug | | | | | | | | | | 259,- | 259,- | 332,- | 415,- | 517,- |
| | loose plug spring [1] | 26,- | 30,- | 32,- | 37,- | 42,- | 52,- | 66,- | 90,- | 118,- | 168,- | 236,- | 398,- | 632,- | 907,- |
| trans-mitter | 1 limit switch open or close | 326,- | 326,- | 326,- | 326,- | 326,- | 326,- | 388,- | 388,- | 388,- | 446,- | 446,- | 496,- | 496,- | 496,- |
| | 2 limit switches open/close | 421,- | 421,- | 421,- | 421,- | 421,- | 421,- | 481,- | 481,- | 481,- | 537,- | 537,- | 596,- | 596,- | 596,- |
| design as hood valve | | 99,- | 99,- | 99,- | 99,- | 115,- | 115,- | 115,- | 115,- | 216,- | 216,- | 216,- | | | |
| spare part cover unit | | 71,- | 78,- | 92,- | 107,- | 121,- | 148,- | 205,- | 259,- | 339,- | 538,- | 680,- | 1.570,- | 2.426,- | 3.528,- |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 275,- | 321,- | 395,- | 395,- |
| special flange drilling | | refer to page 204 | | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204

[1] from DN 200 onwards without spring

Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-FABA®-Plus

**Stop valves with bellows seal - maintenance-free metallic sealing**
PN 16 up to 350°C
nodular iron EN-JS1049

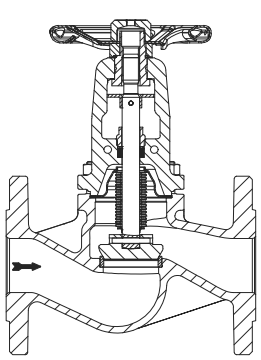


Fig. 22.046

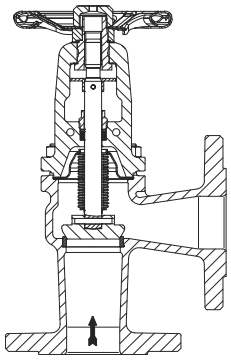


Fig. 22.047

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1**
**TRB 801 No. 45** [1)]
**DIN-DVGW-Registration GAS (Fig. 22.046)**

| G32 | | DN | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 |
| PN 16 Straight through | Fig. 22.046 | 204,- | 220,- | 248,- | 313,- | 336,- | 433,- | 535,- | 654,- | 883,- | 1.363,- | 1.785,- | 4.042,- | 6.343,- | 9.147,- | 14.062,- |
| | regulating plug | 232,- | 249,- | 279,- | 348,- | 381,- | 490,- | 611,- | 759,- | 1.013,- | 1.545,- | 2.010,- | 4.327,- | 6.722,- | 9.625,- | 14.597,- |

| I36 | | DN | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 |
| PN 16 Angle pattern | Fig. 22.047 | 232,- | 278,- | 314,- | 388,- | 415,- | 533,- | 652,- | 813,- | 1.095,- | 1.656,- | 2.152,- | 4.676,- | 7.548,- | 11.005,- | |
| | regulating plug | 263,- | 310,- | 345,- | 427,- | 460,- | 590,- | 728,- | 916,- | 1.226,- | 1.838,- | 2.378,- | 4.964,- | 7.923,- | 11.482,- | |

| additional performance | | DN | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 |
| plug design | PTFE (max. 200°C) | 45,- | 45,- | 57,- | 64,- | 67,- | 71,- | 75,- | 81,- | 96,- | 100,- | 131,- | 275,- | 398,- | 480,- | |
| | balancing plug | | | | | | | | | | 259,- | 259,- | 332,- | 415,- | 517,- | 756,- |
| | loose plug spring [2)] | 26,- | 30,- | 32,- | 37,- | 42,- | 52,- | 66,- | 90,- | 118,- | 168,- | 236,- | 398,- | 632,- | 907,- | 1.570,- |
| trans-mitter | 1 limit switch open or close | 326,- | 326,- | 326,- | 326,- | 326,- | 326,- | 388,- | 388,- | 388,- | 446,- | 446,- | 496,- | 496,- | 496,- | 496,- |
| | 2 limit switches open/close | 421,- | 421,- | 421,- | 421,- | 421,- | 421,- | 481,- | 481,- | 481,- | 537,- | 537,- | 596,- | 596,- | 596,- | 596,- |
| design as hood valve | | 99,- | 99,- | 99,- | 99,- | 115,- | 115,- | 115,- | 115,- | 216,- | 216,- | 216,- | | | | |
| spare part cover unit | | 114,- | 136,- | 152,- | 186,- | 202,- | 259,- | 319,- | 392,- | 530,- | 816,- | 1.059,- | 2.407,- | 3.780,- | 5.450,- | 8.413,- |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 275,- | 321,- | 395,- | 395,- | |
| special flange drilling | | refer to page 204 | | | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204

[1)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)

[2)] from DN 200 onwards without spring

Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-FABA®-Plus

**Stop valves with bellows seal - maintenance-free metallic sealing**
PN 25 up to 350°C
nodular iron EN-JS1049

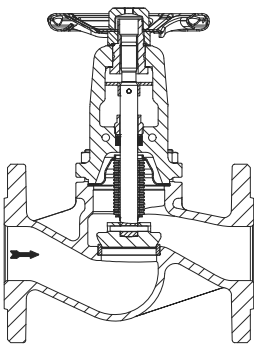


**Fig. 23.046**

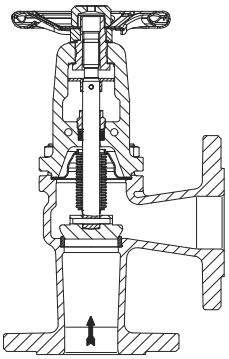


**Fig. 23.047**
refer to Fig. 35.047**(page 79)**

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1**
**TRB 801 No. 45** [1)]

| G33 | | DN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| PN 25 Straight through | **Fig. 23.046** | 220,- | 238,- | 275,- | 330,- | 396,- | 491,- | 612,- | 817,- | 1.095,- | 1.570,- | 2.223,- |
| | regulating plug | 249,- | 269,- | 310,- | 369,- | 441,- | 548,- | 689,- | 923,- | 1.226,- | 1.752,- | 2.448,- |

| I36 | | DN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| PN 25 Angle pattern | **Fig. 23.047** | **refer to Fig. 35.047 (page 79)** | | | | | | | | | | |
| | regulating plug | | | | | | | | | | | |

| additional performance | | DN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| plug design | PTFE (max.200°C) | 45,- | 45,- | 57,- | 64,- | 67,- | 71,- | 75,- | 81,- | 96,- | 100,- | 131,- |
| | balancing plug | | | | | | | | | | 259,- | 259,- |
| | loose plug spring | 26,- | 30,- | 32,- | 37,- | 42,- | 52,- | 66,- | 90,- | 118,- | 168,- | 236,- |
| trans-mitter | 1 limit switch open or close | 326,- | 326,- | 326,- | 326,- | 326,- | 326,- | 388,- | 388,- | 388,- | 446,- | 446,- |
| | 2 limit switches open/close | 421,- | 421,- | 421,- | 421,- | 421,- | 421,- | 481,- | 481,- | 481,- | 537,- | 537,- |
| design as hood valve | | 99,- | 99,- | 99,- | 99,- | 115,- | 115,- | 115,- | 115,- | 216,- | 216,- | 216,- |
| spare part cover unit | | 114,- | 136,- | 152,- | 186,- | 202,- | 259,- | 319,- | 392,- | 530,- | 816,- | 1.059,- |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 275,- |
| special flange drilling | | refer to page 204 | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204

[1)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)

Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-FABA®-Plus

**Stop valves with bellows seal - maintenance-free metallic sealing**
PN 25 / 40 up to 450°C
cast steel 1.0619+N
PN 40 up to 450°C
forged steel 1.0460

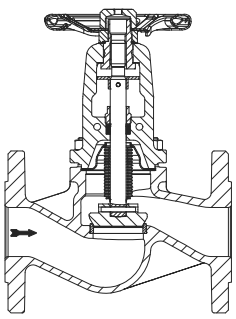


Fig. 34./35.046

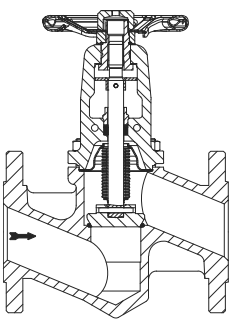


Fig. 45.046

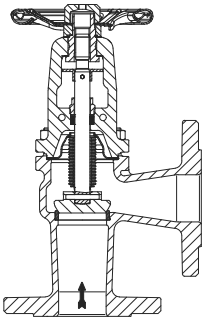


Fig. 34./35.047

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1**
**TRB 801 No. 45** [1)]

| I31 | | DN | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 |
| PN 40 Straight thr. | **Fig. 35.046** | 347,- | 358,- | 373,- | 496,- | 551,- | 605,- | 938,- | 1.285,- | 1.603,- | 2.240,- | 2.758,- | 5.752,- | 10.666,- | | | |
| | regulating plug | 378,- | 386,- | 405,- | 535,- | 595,- | 662,- | 1.016,- | 1.389,- | 1.733,- | 2.419,- | 2.985,- | 6.040,- | 11.041,- | | | |
| PN 40 Straight thr. | **Fig. 45.046** | 367,- | 378,- | 389,- | 521,- | 576,- | 635,- | | | | | | | | | | |
| | regulating plug | 395,- | 408,- | 424,- | 558,- | 621,- | 692,- | | | | | | | | | | |
| PN 25 Straight thr. | **Fig. 34.046** | | | | | | | | | | | | 4.538,- | 7.813,- | 12.110,- | 19.457,- | 25.960,- |
| | regulating plug | | | | | | | | | | | | 4.823,- | 8.192,- | 12.586,- | 19.996,- | 26.595,- |

| I36 | | DN | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 |
| PN 40 Angle pattern | **Fig. 35.047** | 415,- | 436,- | 505,- | 606,- | 736,- | 864,- | 1.198,- | 1.561,- | 2.094,- | 2.959,- | 3.893,- | | | | | |
| | regulating plug | 443,- | 464,- | 539,- | 645,- | 781,- | 922,- | 1.275,- | 1.664,- | 2.224,- | 3.139,- | 4.119,- | | | | | |
| PN 25 Angle pattern | **Fig. 34.047** | | | | | | | | | | | | 5.990,- | 12.556,- | 15.830,- | | |
| | regulating plug | | | | | | | | | | | | 6.273,- | 12.933,- | 16.305,- | | |

| additional performance | | DN | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 |
| plug design | PTFE (max. 200°C) | 45,- | 45,- | 57,- | 64,- | 67,- | 71,- | 75,- | 81,- | 96,- | 100,- | 131,- | 275,- | 398,- | 480,- | | |
| | balancing plug | | | | | | | | | | 259,- | 259,- | 332,- | 415,- | 517,- | 756,- | 998,- |
| | loose plug spring [2)] | 26,- | 30,- | 32,- | 37,- | 42,- | 52,- | 66,- | 90,- | 118,- | 168,- | 236,- | 398,- | 632,- | 907,- | 1.570,- | 2.191,- |
| | stellited plug/seat | 200,- | | | | 230,- | | | 340,- | 428,- | 570,- | 875,- | 1.300,- | 1.770,- | 1.935,- | 2.815,- | 3.715,- |
| studs + nuts A4 below -10°C | | 24,- | 24,- | 30,- | 30,- | 30,- | 30,- | 34,- | 42,- | 68,- | 76,- | 216,- | 303,- | | | | |
| trans-mitter | 1 limit switch open or close | 326,- | 326,- | 326,- | 326,- | 326,- | 326,- | 388,- | 388,- | 388,- | 446,- | 446,- | 496,- | 496,- | 496,- | 496,- | 496,- |
| | 2 limit switches open/close | 421,- | 421,- | 421,- | 421,- | 421,- | 421,- | 481,- | 481,- | 481,- | 537,- | 537,- | 596,- | 596,- | 596,- | 596,- | 596,- |
| design as hood valve | | 99,- | 99,- | 99,- | 99,- | 115,- | 115,- | 115,- | 115,- | 216,- | 216,- | 216,- | | | | | |
| spare part cover unit | | 214,- | 214,- | 214,- | 303,- | 336,- | 371,- | 573,- | 787,- | 982,- | 1.363,- | 1.682,- | 2.768,- | 4.768,- | 7.387,- | 11.870,- | 15.835,- |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 275,- | 321,- | 395,- | 395,- | | |
| special flange drilling | | refer to page 204 | | | | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204

[1)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)

[2)] from DN 200 onwards without spring

Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-FABA®-Plus

**Stop valves with bellows seal - maintenance-free, metallic sealing**

## with butt weld ends

PN 25 / 40 up to 450°C
cast steel 1.0619+N
PN 40 up to 450°C
forged steel 1.0460

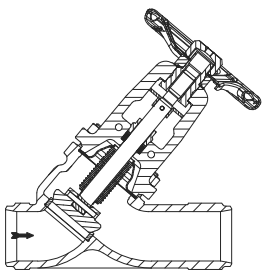


Fig. 34/35.066

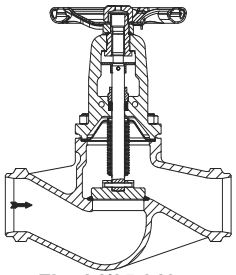


Fig. 34/35.040

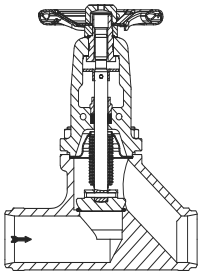


Fig. 45.040

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1**
**TRB 801 No. 45** [1)]

| | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| PN 40 Y-pattern | **Fig. 35.066** | 314,- | 322,- | 327,- | 447,- | 493,- | 530,- | 880,- | 1.185,- | 1.521,- | 2.160,- | 2.731,- | 5.691,- | 10.546,- | |
| | regulating plug | 342,- | 350,- | 362,- | 487,- | 538,- | 587,- | 959,- | 1.289,- | 1.653,- | 2.342,- | 2.956,- | 5.974,- | 10.921,- | |
| PN 25 Y-pattern | **Fig. 34.066** | | | | | | | | | | | | 4.667,- | 6.907,- | 9.979,- |
| | regulating plug | | | | | | | | | | | | 4.951,- | 7.283,- | 10.460,- |
| PN 40 Straight through | **Fig. 45.040** | 347,- | 358,- | 373,- | 498,- | 551,- | 605,- | | | | | | | | |
| | regulating plug | 378,- | 386,- | 405,- | 537,- | 595,- | 662,- | | | | | | | | |
| PN 40 Straight through | **Fig. 35.040** | | | | | | | 1.103,- | 1.506,- | 1.863,- | 2.603,- | 3.222,- | 6.720,- | 12.453,- | |
| | regulating plug | | | | | | | 1.180,- | 1.610,- | 1.994,- | 2.785,- | 3.447,- | 7.005,- | 12.828,- | |
| PN 25 Straight through | **Fig. 34.040** | | | | | | | | | | | | 5.826,- | 7.809,- | [2)] |
| | regulating plug | | | | | | | | | | | | 6.111,- | 8.185,- | [2)] |

| **additional performance** | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| plug design | PTFE (max.200°C) | 45,- | 45,- | 57,- | 64,- | 67,- | 71,- | 75,- | 81,- | 96,- | 100,- | 131,- | 275,- | 398,- | 480,- |
| | balancing plug | | | | | | | | | | 259,- | 259,- | 332,- | 415,- | 517,- |
| | loose plug spring [3)] | 26,- | 30,- | 32,- | 37,- | 42,- | 52,- | 66,- | 90,- | 118,- | 168,- | 236,- | 398,- | 632,- | 907,- |
| | stellited plug/seat | 200,- | | | | | 230,- | | 340,- | 428,- | 570,- | 875,- | 1.300,- | 1.770,- | 1.935,- |
| studs + nuts A4 below -10°C | | 24,- | 24,- | 30,- | 30,- | 30,- | 30,- | 34,- | 42,- | 68,- | 76,- | 216,- | 303,- | | |
| trans-mitter | 1 limit switch open or close | 326,- | 326,- | 326,- | 326,- | 326,- | 326,- | 388,- | 388,- | 388,- | 446,- | 446,- | 496,- | 496,- | 496,- |
| | 2 limit switches open/close | 421,- | 421,- | 421,- | 421,- | 421,- | 421,- | 481,- | 481,- | 481,- | 537,- | 537,- | 596,- | 596,- | 596,- |
| spare part cover unit | | 214,- | 214,- | 214,- | 303,- | 336,- | 371,- | 573,- | 787,- | 982,- | 1.363,- | 1.682,- | 2.768,- | 4.768,- | 7.387,- |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 275,- | 321,- | 395,- | 395,- |
| special butt weld end shaping | | refer to page 204 | | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204
[1)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
[2)] PN25 larger DN on request
[3)] from DN200 onwards without spring
Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-FABA®-Plus Stainless steel

**Stop valves with bellows seal - maintenance-free**
**metallic sealing**
PN 16 / 25 / 40 up to 400°C
stainless steel 1.4408
Fig. 52./55.046 - Body and cover stainless steel
Fig. 62./65.046 - Body stainless steel - Cover steel[1)]

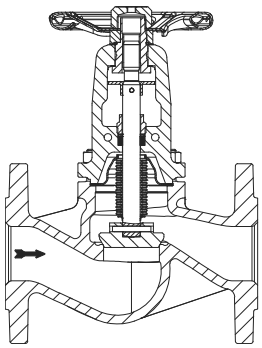


Fig. 52./55.046 62./65.046

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1**
**TRB 801 No. 45** [2)]

| | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | |
| PN 16 / 25 / 40 Straight through | PN 16 **Fig. 62.046** | 581,- | 743,- | 787,- | 913,- | 1.092,- | 1.251,- | 1.910,- | 2.359,- | 2.862,- | 4.565,- | 6.096,- | 11.300,- | 23.165,- | application down to - 10°C |
| | Regul.plug | 632,- | 802,- | 857,- | 998,- | 1.193,- | 1.378,- | 2.074,- | 2.593,- | 3.198,- | 5.018,- | 6.698,- | 12.312,- | 24.508,- | |
| | PN 25 / 40 **Fig. 65.046** | 581,- | 743,- | 787,- | 913,- | 1.092,- | 1.251,- | 2.273,- | 2.829,- | 3.434,- | 5.478,- | 7.312,- | 14.131,- | 28.969,- | |
| | Regul.plug | 632,- | 802,- | 857,- | 998,- | 1.193,- | 1.378,- | 2.436,- | 3.062,- | 3.768,- | 5.935,- | 7.916,- | 15.143,- | 30.314,- | |
| PN 16 / 25 / 40 Straight through | PN 16 **Fig. 52.046** | 679,- | 873,- | 925,- | 1.072,- | 1.282,- | 1.497,- | 2.222,- | 2.765,- | 3.368,- | 5.361,- | 7.169,- | 13.293,- | 27.251,- | application down to - 60°C |
| | Regul.plug | 729,- | 931,- | 994,- | 1.155,- | 1.385,- | 1.621,- | 2.385,- | 2.997,- | 3.701,- | 5.815,- | 7.771,- | 14.308,- | 28.600,- | |
| | PN 25 / 40 **Fig. 55.046** | 679,- | 873,- | 925,- | 1.072,- | 1.282,- | 1.497,- | 2.661,- | 3.321,- | 4.041,- | 6.438,- | 8.601,- | 15.367,- | 31.500,- | |
| | Regul.plug | 729,- | 931,- | 994,- | 1.155,- | 1.385,- | 1.621,- | 2.823,- | 3.554,- | 4.376,- | 6.891,- | 9.203,- | 16.382,- | 32.851,- | |

PN 25

| additional performance | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | |
| plug design | PTFE (max. 200°C) | 139,- | 139,- | 139,- | 186,- | 186,- | 186,- | 238,- | 290,- | 352,- | 454,- | 535,- | 655,- | 773,- | |
| | balancing plug | | | | | | | | | | 265,- | 265,- | 687,- | 997,- | |
| | loose plug spring [4)] | 26,- | 30,- | 32,- | 37,- | 42,- | 52,- | 66,- | 90,- | 118,- | 168,- | 236,- | 341,- | 426,- | |
| trans-mitter | 1 limit switch open or close | 337,- | 337,- | 337,- | 337,- | 337,- | 337,- | 399,- | 399,- | 399,- | 459,- | 459,- | 510,- | 510,- | |
| | 2 limit switches open/close | 431,- | 431,- | 431,- | 431,- | 431,- | 431,- | 495,- | 495,- | 495,- | 554,- | 554,- | 614,- | 614,- | |
| spare part cover unit [3)] | | 414,- | 532,- | 565,- | 653,- | 779,- | 906,- | 1.621,- | 2.022,- | 2.462,- | 3.344,- | 5.167,- | 9.239,- | 18.853,- | |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 275,- | 321,- | 395,- | |
| special flange drilling | | refer to page 204 | | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204
[1)] All parts with medium contact are in stainless steel material
[2)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
[3)] for Fig. 55.046
[4)] from DN200 onwards without spring
Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-FABA®-Plus Stainless steel

**Stop valves with bellows seal - maintenance-free**
**metallic sealing**
PN 16 / 25 / 40 up to 400°C
stainless steel 1.4408
Fig. 52./55.069 - Body and cover stainless steel
Fig. 62./65.069 - Body stainless steel - Cover steel [1)]

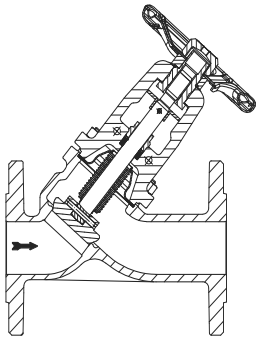


Fig. 52./55.069
62./65.069

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1**
**TRB 801 No. 45** [2)]

| | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | | 200 | |
| PN 16 / 25 / 40 Y-pattern | PN 16 **Fig. 62.069** | 535,- | 685,- | 725,- | 876,- | 1.043,- | 1.218,- | 1.696,- | 2.119,- | 2.577,- | 3.917,- | 5.242,- | | 9.720,- | application down to - 10°C |
| | Regul.plug | 587,- | 743,- | 794,- | 960,- | 1.146,- | 1.343,- | 1.860,- | 2.351,- | 2.911,- | 4.373,- | 5.844,- | | 10.740,- | |
| | PN 25 / 40 **Fig. 65.069** | 535,- | 685,- | 725,- | 876,- | 1.043,- | 1.218,- | 2.291,- | 2.962,- | 3.476,- | 5.291,- | 7.075,- | PN 25 | 12.612,- | |
| | Regul.plug | 587,- | 743,- | 794,- | 960,- | 1.146,- | 1.343,- | 2.454,- | 3.195,- | 3.811,- | 5.745,- | 7.681,- | | 13.633,- | |
| PN 16 / 25 / 40 Y-pattern | PN 16 **Fig. 52.069** | 626,- | 802,- | 853,- | 1.029,- | 1.231,- | 1.436,- | 1.998,- | 2.490,- | 3.031,- | 4.609,- | 6.164,- | | 11.437,- | application down to - 60°C |
| | Regul.plug | 678,- | 859,- | 923,- | 1.114,- | 1.331,- | 1.561,- | 2.161,- | 2.723,- | 3.367,- | 5.064,- | 6.765,- | | 12.453,- | |
| | PN 25 / 40 **Fig. 55.069** | 626,- | 802,- | 853,- | 1.029,- | 1.231,- | 1.436,- | 2.397,- | 2.987,- | 3.636,- | 5.532,- | 7.399,- | PN 25 | 13.213,- | |
| | Regul.plug | 678,- | 859,- | 923,- | 1.114,- | 1.331,- | 1.561,- | 2.560,- | 3.220,- | 3.970,- | 5.988,- | 8.001,- | | 14.230,- | |

| additional performance | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | | 200 | |
| plug design | PTFE (max. 200°C) | 139,- | 139,- | 139,- | 186,- | 186,- | 186,- | 238,- | 290,- | 352,- | 454,- | 535,- | | 655,- | |
| | balancing plug | | | | | | | | | | 265,- | 265,- | | 687,- | |
| | loose plug spring [4)] | 26,- | 30,- | 32,- | 37,- | 42,- | 52,- | 66,- | 90,- | 118,- | 168,- | 236,- | | 341,- | |
| trans-mitter | 1 limit switch open or close | 337,- | 337,- | 337,- | 337,- | 337,- | 337,- | 399,- | 399,- | 399,- | 459,- | 459,- | | 510,- | |
| | 2 limit switches open/close | 431,- | 431,- | 431,- | 431,- | 431,- | 431,- | 495,- | 495,- | 495,- | 554,- | 554,- | | 614,- | |
| spare part cover unit [3)] | | 414,- | 532,- | 565,- | 653,- | 779,- | 906,- | 1.621,- | 2.022,- | 2.462,- | 3.344,- | 5.167,- | | 9.239,- | |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 275,- | | 321,- | |
| special flange drilling | | refer to page 204 | | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204
[1)] All parts with medium contact are in stainless steel material
[2)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
[3)] for Fig. 55.069
[4)] from DN200 onwards without spring
Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-FABA®-Plus Stainless steel

**Stop valves with bellows seal - maintenance-free**
**metallic sealing**

## with butt weld ends

PN 25 / 40 up to 400°C
stainless steel 1.4581
Fig. 54./55.066 - Body and cover stainless steel

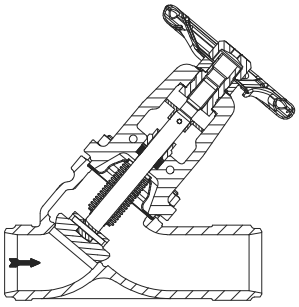


**Fig. 54./55.066**

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1**
**TRB 801 No. 45** [1)]

| | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | | 200 | |
| PN 25 / 40 Y-pattern | PN 25 / 40 **Fig. 55.066** | 684,- | 872,- | 923,- | 1.124,- | 1.344,- | 1.563,- | 2.609,- | 3.244,- | 3.949,- | 6.026,- | 8.036,- | PN 25 | 14.372,- | application down to -60°C |
| | Regul.plug | 734,- | 930,- | 993,- | 1.206,- | 1.443,- | 1.687,- | 2.773,- | 3.478,- | 4.284,- | 6.481,- | 8.638,- | | 15.389,- | |

| additional performance | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | | 200 | |
| plug design | PTFE (max. 200°C) | 139,- | 139,- | 139,- | 186,- | 186,- | 186,- | 238,- | 290,- | 352,- | 454,- | 535,- | | 655,- | |
| | balancing plug | | | | | | | | | | 265,- | 265,- | | 687,- | |
| | loose plug spring [2)] | 26,- | 30,- | 32,- | 37,- | 42,- | 52,- | 66,- | 90,- | 118,- | 168,- | 236,- | | 341,- | |
| trans-mitter | 1 limit switch open or close | 337,- | 337,- | 337,- | 337,- | 337,- | 337,- | 399,- | 399,- | 399,- | 459,- | 459,- | | 510,- | |
| | 2 limit switches open/close | 431,- | 431,- | 431,- | 431,- | 431,- | 431,- | 495,- | 495,- | 495,- | 554,- | 554,- | | 614,- | |
| spare part cover unit | | 414,- | 532,- | 565,- | 653,- | 779,- | 906,- | 1.621,- | 2.022,- | 2.462,- | 3.344,- | 5.167,- | | 9.239,- | |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 275,- | | 321,- | |
| special butt weld end shaping | | refer to page 204 | | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204
[1)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
[2)] from DN200 onwards without spring
Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-FABA®-Plus ANSI

**Stop valves with bellows seal - maintenance-free, metallic sealing**

ANSI150-300 up to 800°F/427°C
carbon steel SA216 WCB - ASME Sect. II
ANSI300 up to 800°F/427°C
forged steel SA105 - ASME B16.34

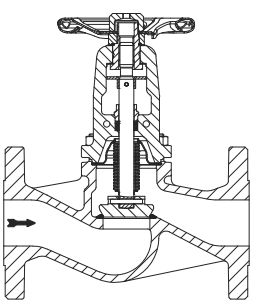


Fig. 32./35.041

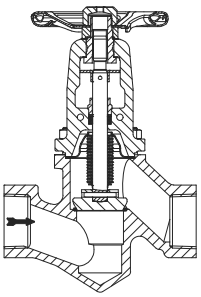


Fig. 45.049....2

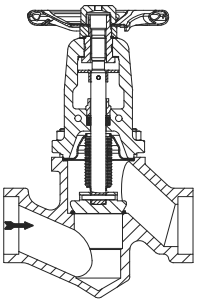


Fig. 45.049....3

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1 / TRB 801 No. 45** [1)]

| | | DN / NPS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 150 | 200 | 250 | |
| | | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 6" | 8" | 10" | |
| ANSI 150 Flanges | **Fig. 32.041** | 472,- | 480,- | 500,- | -- | 744,- | 816,- | 1.238,- | 1.651,- | 2.063,- | 3.564,- | 5.836,- | 10.407,- | Flanges: ANSI B 16.5 Face-to-face dimension: ANSI B 16.10 |
| | Regul.plug | 500,- | 508,- | 535,- | -- | 788,- | 874,- | 1.315,- | 1.756,- | 2.194,- | 3.790,- | 6.120,- | 10.769,- | |
| ANSI 300 Flanges | **Fig. 35.041** | 496,- | 507,- | 528,- | -- | 786,- | 858,- | 1.301,- | 1.740,- | 2.170,- | 3.752,- | 6.143,- | 10.637,- | |
| | Regul.plug | 527,- | 537,- | 560,- | -- | 833,- | 915,- | 1.378,- | 1.845,- | 2.301,- | 3.978,- | 6.429,- | 10.999,- | |
| ANSI 300 Thread connection | **Fig. 45.049....2** | 383,- | 391,- | 400,- | 546,- | 603,- | 658,- | | | | | | | Thread connection: ANSI B 1.20.1 (NPT) or DIN ISO 228 (BSP) |
| | Regul.plug | 413,- | 421,- | 435,- | 586,- | 648,- | 715,- | | | | | | | |
| ANSI 300 Socket weld end | **Fig. 45.049....3** | 448,- | 458,- | 475,- | 638,- | 709,- | 774,- | | | | | | | Socket weld end: ANSI B 16.11 |
| | Regul.plug | 479,- | 488,- | 507,- | 677,- | 755,- | 832,- | | | | | | | |

| additional performance | | DN / NPS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 150 | 200 | 250 | |
| | | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 6" | 8" | 10" | |
| plug design | PTFE (max.392°F/200°C) | 45,- | 45,- | 57,- | 64,- | 67,- | 71,- | 75,- | 81,- | 96,- | 100,- | 131,- | 275,- | |
| | balancing plug | | | | | | | | | | 259,- | 259,- | 332,- | |
| | plug/seat stellited | 200,- | | | | | 230,- | | 340,- | 428,- | 570,- | 875,- | 1.300,- | |
| trans-mitter | 1 limit switch open or close | 326,- | 326,- | 326,- | 326,- | 326,- | 326,- | 388,- | 388,- | 388,- | 446,- | 446,- | 496,- | |
| | 2 limit switches open/close | 421,- | 421,- | 421,- | 421,- | 421,- | 421,- | 481,- | 481,- | 481,- | 537,- | 537,- | 596,- | |
| spare part cover unit | | 299,- | 309,- | 318,- | 431,- | 473,- | 521,- | 788,- | 1.055,- | 1.317,- | 2.270,- | 3.712,- | 4.914,- | |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 321,- | 395,- | |
| special flange or butt weld end drilling/shaping | | refer to page 204 | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204
[1)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

## Other variations on request:

**Fig. 35.147** Angle pattern with flanges, PN25/40, cast steel, DN15-300

**Fig. 45.146** Straight through with flanges, PN40, forged steel, DN15-50

**Fig. 55.169** Y-pattern with flanges, PN25/40, stainless steel, DN15-200

**Fig. 45.149....2** Straight through with screwed sockets, ANSI300, DN15-50

**Fig. 45.149....3** Straight through with socket ends, ANSI300, DN15-50

# ARI-FABA®-Supra I with one-piece or two-piece stem

**Stop valves with bellows seal - maintenance-free, metallic sealing**
PN 40 up to 450°C
cast steel 1.0619+N

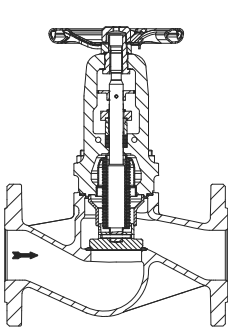


Fig. 35.146....111

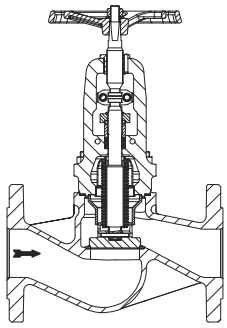


Fig. 35.146....112

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1**
**TRB 801 No. 45** [1)]

| | | DN | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 |
| Straight through | **Fig. 35.146....111** (one-piece stem) | 517,- | 549,- | 566,- | 763,- | 834,- | 906,- | 1.493,- | 1.752,- | 2.185,- | 3.601,- | 4.139,- | 6.276,- | 10.973,- | 15.681,- | 20.500,- | 26.061,- |
| | regulating plug | 546,- | 578,- | 598,- | 802,- | 878,- | 964,- | 1.569,- | 1.856,- | 2.316,- | 3.784,- | 4.366,- | 6.562,- | 11.349, | 16.155,- | 21.038,- | 26.694,- |
| | **Fig. 35.146....112** (two-piece stem) | 528,- | 560,- | 577,- | 780,- | 851,- | 925,- | 1.522,- | 1.786,- | 2.229,- | 3.672,- | 4.223,- | 6.650,- | 11.445,- | 16.264,- | 21.160,- | 26.829,- |
| | regulating plug | 556,- | 590,- | 610,- | 817,- | 896,- | 980,- | 1.599,- | 1.890,- | 2.358,- | 3.856,- | 4.448,- | 6.938,- | 11.820,- | 16.739,- | 21.698,- | 27.463,- |

| additional performance | | DN | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 |
| plug design | PTFE (max. 200°C) | 45,- | 45,- | 57,- | 64,- | 67,- | 71,- | 75,- | 81,- | 96,- | 100,- | 131,- | 275,- | 398,- | 480,- | | |
| | balancing plug | | | | | | | | | | 259,- | 259,- | 332,- | 415,- | 517,- | 756,- | 998,- |
| | plug/seat stellited | 200,- | | | | | 230,- | | 340,- | 428,- | 570,- | 875,- | 1.300,- | 1.770,- | 1.935,- | 2.815,- | 3.715,- |
| studs + nuts A4 below -10°C | | 24,- | 24,- | 30,- | 30,- | 30,- | 30,- | 34,- | 42,- | 68,- | 76,- | 216,- | 303,- | | | | |
| trans-mitter | 1 limit switch open or close | 326,- | 326,- | 326,- | 326,- | 326,- | 326,- | 388,- | 388,- | 388,- | 446,- | 446,- | 496,- | 496,- | 496,- | 496,- | 496,- |
| | 2 limit switches open/close | 421,- | 421,- | 421,- | 421,- | 421,- | 421,- | 481,- | 481,- | 481,- | 537,- | 537,- | 596,- | 596,- | 596,- | 596,- | 596,- |
| design as hood valve (one-piece stem) | | 99,- | 99,- | 99,- | 99,- | 115,- | 115,- | 115,- | 115,- | 216,- | 216,- | 216,- | | | | | |
| spare part cover unit (one-piece stem) | | 311,- | 330,- | 339,- | 459,- | 499,- | 543,- | 896,- | 1.052,- | 1.312,- | 2.161,- | 2.483,- | 3.642,- | 5.854,- | 8.677,- | 11.550,- | 14.885,- |
| spare part cover unit (two-piece stem) | | 316,- | 336,- | 345,- | 467,- | 510,- | 554,- | 913,- | 1.072,- | 1.338,- | 2.204,- | 2.535,- | 3.697,- | 5.949,- | 8.745,- | 11.630,- | 14.972,- |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 275,- | 321,- | 395,- | 395,- | | |
| special flange drilling | | refer to page 204 | | | | | | | | | | | | | | | |
| pneumatic actuator FA (two-piece stem) | | **Pneumatic actuator FA refer to page 96.** | | | | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204
[1)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-FABA®-Supra C with one-piece or two-piece stem

**Stop valves with bellows seal - maintenance-free, metallic sealing**
PN 40 up to 450°C
cast steel 1.0619+N

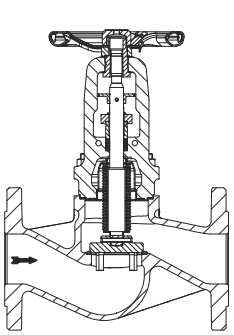


Fig. 34./35.146....153

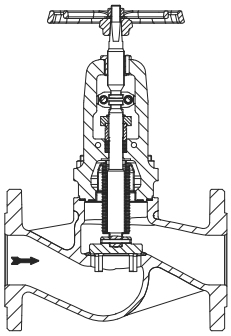


Fig. 34./35.146....154

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1**
**TRB 801 No. 45** [1)]

| | | DN | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 |
| Straight through | **Fig. 35.146....153** (one-piece stem) | 531,- | 562,- | 580,- | 783,- | 854,- | 929,- | 1.531,- | 1.793,- | 2.241,- | 3.692,- | 4.245,- | 6.380,- | 11.080,- | 15.792,- | 20.614,- | 26.180,- |
| | **Fig. 35.146....154** (two-piece stem) | 540,- | 572,- | 591,- | 800,- | 872,- | 947,- | 1.560,- | 1.830,- | 2.284,- | 3.763,- | 4.327,- | 6.754,- | 11.551,- | 16.374,- | 21.274,- | 26.949,- |

| **additional performance** | | DN | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 |
| plug design | PTFE (max. 200°C) | 45,- | 45,- | 57,- | 64,- | 67,- | 71,- | 75,- | 81,- | 96,- | 100,- | 131,- | 275,- | 398,- | 480,- | | |
| | balancing plug | | | | | | | | | | 259,- | 259,- | 332,- | 415,- | 517,- | 756,- | 998,- |
| | plug/seat stellited | 200,- | | | | | 230,- | | 340,- | 428,- | 570,- | 875,- | 1.300,- | 1.770,- | 1.935,- | 2.815,- | 3.715,- |
| studs + nuts A4 below -10°C | | 24,- | 24,- | 30,- | 30,- | 30,- | 30,- | 34,- | 42,- | 68,- | 76,- | 216,- | 303,- | | | | |
| trans-mitter | 1 limit switch open or close | 326,- | 326,- | 326,- | 326,- | 326,- | 326,- | 388,- | 388,- | 388,- | 446,- | 446,- | 496,- | 496,- | 496,- | 496,- | 496,- |
| | 2 limit switches open/close | 421,- | 421,- | 421,- | 421,- | 421,- | 421,- | 481,- | 481,- | 481,- | 537,- | 537,- | 596,- | 596,- | 596,- | 596,- | 596,- |
| design as hood valve (one-piece stem) | | 99,- | 99,- | 99,- | 99,- | 115,- | 115,- | 115,- | 115,- | 216,- | 216,- | 216,- | | | | | |
| spare part cover unit (one-piece stem) | | 317,- | 338,- | 346,- | 469,- | 512,- | 557,- | 916,- | 1.077,- | 1.345,- | 2.216,- | 2.546,- | 3.642,- | 5.854,- | 8.677,- | 11.550,- | 14.885,- |
| spare part cover unit (two-piece stem) | | 324,- | 343,- | 352,- | 480,- | 523,- | 568,- | 935,- | 1.097,- | 1.370,- | 2.257,- | 2.596,- | 3.697,- | 5.949,- | 8.745,- | 11.630,- | 14.972,- |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 275,- | 321,- | 395,- | 395,- | | |
| special flange drilling | | refer to page 204 | | | | | | | | | | | | | | | |
| pneumatic actuator FA (two-piece stem) | | **Pneumatic actuator FA refer to page 96.** | | | | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204
[1)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-FABA®-Supra I with one-piece or two-piece stem

## Stop valves with bellows seal - maintenance-free, metallic sealing

## with butt weld ends

PN 40 up to 450°C
cast steel 1.0619+N
forged steel 1.0460

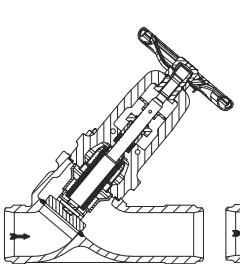


Fig. 35.166....111

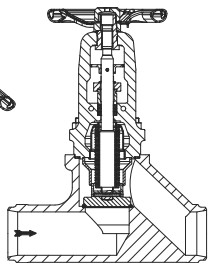


Fig. 45.140....111

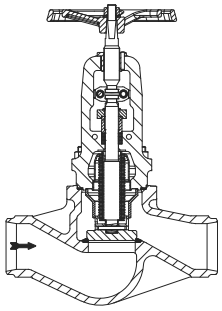


Fig. 35.140....112 (as example for two-piece stem)

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1 / TRB 801 No. 45** [1)]

| | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| Y-pattern | **Fig. 35.166....111** (one-piece stem) | 464,- | 494,- | 498,- | 689,- | 747,- | 789,- | 1.399,- | 1.616,- | 2.074,- | 3.474,- | 4.096,- | 6.712,- | 11.041,- | 16.770,- |
| | regulating plug | 494,- | 524,- | 533,- | 727,- | 790,- | 849,- | 1.474,- | 1.720,- | 2.204,- | 3.655,- | 4.323,- | 6.997,- | 11.418,- | 17.245,- |
| | **Fig. 35.166....112** (two-piece stem) | 475,- | 504,- | 508,- | 703,- | 761,- | 806,- | 1.428,- | 1.648,- | 2.115,- | 3.543,- | 4.178,- | 7.086,- | 11.516,- | 17.353,- |
| | regulating plug | 503,- | 535,- | 541,- | 741,- | 806,- | 864,- | 1.504,- | 1.752,- | 2.246,- | 3.723,- | 4.404,- | 7.371,- | 11.892,- | 17.827,- |
| Straight through | **Fig. 45.140....111** (one-piece stem) | 517,- | 549,- | 566,- | 763,- | 834,- | 906,- | | | | | | | | |
| | regulating plug | 546,- | 578,- | 598,- | 802,- | 878,- | 964,- | | | | | | | | |
| | **Fig. 45.140....112** (two-piece stem) | 528,- | 560,- | 577,- | 780,- | 851,- | 925,- | | | | | | | | |
| | regulating plug | 556,- | 590,- | 610,- | 817,- | 896,- | 980,- | | | | | | | | |
| | **Fig. 35.140....111** (one-piece stem) | | | | | | | 1.547,- | 1.832,- | 2.281,- | 3.741,- | 4.322,- | 7.396,- | 13.055,- | 17.493,- |
| | regulating plug | | | | | | | 1.624,- | 1.936,- | 2.410,- | 3.921,- | 4.547,- | 7.684,- | 13.431,- | 17.970,- |
| | **Fig. 35.140....112** (two-piece stem) | | | | | | | 1.576,- | 1.867,- | 2.324,- | 3.813,- | 4.404,- | 7.772,- | 13.528,- | 18.077,- |
| | regulating plug | | | | | | | 1.655,- | 1.972,- | 2.454,- | 3.993,- | 4.629,- | 8.058,- | 13.903,- | 18.551,- |

| **additional performance** | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| plug design | PTFE (max. 200°C) | 45,- | 45,- | 57,- | 64,- | 67,- | 71,- | 75,- | 81,- | 96,- | 100,- | 131,- | 275,- | 398,- | 480,- |
| | balancing plug | | | | | | | | | | 259,- | 259,- | 332,- | 415,- | 517,- |
| | plug/seat stellited | 200,- | | | | | 230,- | | 340,- | 428,- | 570,- | 875,- | 1.300,- | 1.770,- | 1.935,- |
| studs + nuts A4 below -10°C | | 24,- | 24,- | 30,- | 30,- | 30,- | 30,- | 34,- | 42,- | 68,- | 76,- | 216,- | 303,- | | |
| trans-mitter | 1 limit switch open or close | 326,- | 326,- | 326,- | 326,- | 326,- | 326,- | 388,- | 388,- | 388,- | 446,- | 446,- | 496,- | 496,- | 496,- |
| | 2 limit switches open/close | 421,- | 421,- | 421,- | 421,- | 421,- | 421,- | 481,- | 481,- | 481,- | 537,- | 537,- | 596,- | 596,- | 596,- |
| design as hood valve (one-piece stem) | | 99,- | 99,- | 99,- | 99,- | 115,- | 115,- | 115,- | 115,- | 216,- | 216,- | 216,- | | | |
| spare part cover unit (one-piece stem) | | 311,- | 330,- | 339,- | 459,- | 499,- | 543,- | 896,- | 1.052,- | 1.312,- | 2.161,- | 2.483,- | 3.642,- | 5.854,- | 8.677,- |
| spare part cover unit (two-piece stem) | | 316,- | 336,- | 345,- | 467,- | 510,- | 554,- | 913,- | 1.072,- | 1.338,- | 2.204,- | 2.535,- | 3.697,- | 5.949,- | 8.745,- |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 275,- | 321,- | 395,- | 395,- |
| special butt weld end shaping | | refer to page 204 | | | | | | | | | | | | | |
| pneumatic actuator FA (two-piece stem) | | **Pneumatic actuator FA refer to page 96.** | | | | | | | | | | | | | |

Design acc. to data sheet

Certifications on page 205.

Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204

[1)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-FABA®-Supra C with one-piece or two-piece stem

**Stop valves with bellows seal - maintenance-free, metallic sealing**

## with butt weld ends

PN 40 up to 450°C
cast steel 1.0619+N
forged steel 1.0460

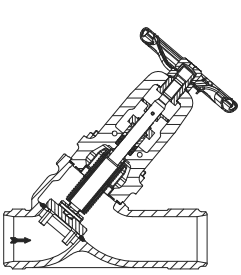


Fig. 35.166....153

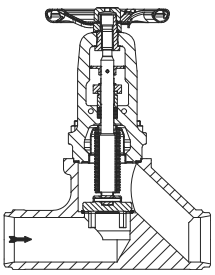


Fig. 45.140....153

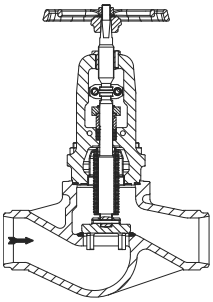


Fig. 35.140....154 (as example for two-piece stem)

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1 / TRB 801 No. 45** [1)]

| | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| Y-pattern | **Fig. 35.166....153** (one-piece stem) | 479,- | 508,- | 512,- | 708,- | 767,- | 814,- | 1.436,- | 1.659,- | 2.128,- | 3.563,- | 4.200,- | 6.815,- | 11.149,- | 16.880,- |
| Y-pattern | **Fig. 35.166....154** (two-piece stem) | 488,- | 518,- | 524,- | 722,- | 782,- | 829,- | 1.464,- | 1.691,- | 2.169,- | 3.633,- | 4.282,- | 7.101,- | 11.524,- | 17.355,- |
| Straight through | **Fig. 45.140....153** (one-piece stem) | 531,- | 562,- | 580,- | 783,- | 854,- | 929,- | | | | | | | | |
| Straight through | **Fig. 45.140....154** (two-piece stem) | 540,- | 572,- | 591,- | 800,- | 872,- | 947,- | | | | | | | | |
| Straight through | **Fig. 35.140....153** (one-piece stem) | | | | | | | 1.789,- | 2.096,- | 2.593,- | 4.279,- | 4.938,- | 7.501,- | 13.162,- | 17.604,- |
| Straight through | **Fig. 35.140....154** (two-piece stem) | | | | | | | 1.818,- | 2.131,- | 2.636,- | 4.351,- | 5.020,- | 7.786,- | 13.537,- | 18.080,- |

| **additional performance** | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| plug design | PTFE (max. 200°C) | 45,- | 45,- | 57,- | 64,- | 67,- | 71,- | 75,- | 81,- | 96,- | 100,- | 131,- | 275,- | 398,- | 480,- |
| plug design | balancing plug | | | | | | | | | | 259,- | 259,- | 332,- | 415,- | 517,- |
| plug design | plug/seat stellited | 200,- | | | | | 230,- | | 340,- | 428,- | 570,- | 875,- | 1.300,- | 1.770,- | 1.935,- |
| studs + nuts A4 below -10°C | | 24,- | 24,- | 30,- | 30,- | 30,- | 30,- | 34,- | 42,- | 68,- | 76,- | 216,- | 303,- | | |
| trans-mitter | 1 limit switch open or close | 326,- | 326,- | 326,- | 326,- | 326,- | 326,- | 388,- | 388,- | 388,- | 446,- | 446,- | 496,- | 496,- | 496,- |
| trans-mitter | 2 limit switches open/close | 421,- | 421,- | 421,- | 421,- | 421,- | 421,- | 481,- | 481,- | 481,- | 537,- | 537,- | 596,- | 596,- | 596,- |
| design as hood valve (one-piece stem) | | 99,- | 99,- | 99,- | 99,- | 115,- | 115,- | 115,- | 115,- | 216,- | 216,- | 216,- | | | |
| spare part cover unit (one-piece stem) | | 317,- | 338,- | 346,- | 469,- | 512,- | 557,- | 916,- | 1.077,- | 1.345,- | 2.216,- | 2.546,- | 3.642,- | 5.854,- | 8.677,- |
| spare part cover unit (two-piece stem) | | 324,- | 343,- | 352,- | 480,- | 523,- | 568,- | 935,- | 1.097,- | 1.370,- | 2.257,- | 2.596,- | 3.697,- | 5.949,- | 8.745,- |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 275,- | 321,- | 395,- | 395,- |
| special butt weld end shaping | | refer to page 204 | | | | | | | | | | | | | |
| pneumatic actuator FA (two-piece stem) | | **Pneumatic actuator FA refer to page 96.** | | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204
[1)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-FABA®-Supra I Stainless with one-piece or two-piece stem

**Stop valves with bellows seal - maintenance-free**
**metallic sealing**
PN 16/40 up to 400°C
stainless steel 1.4408

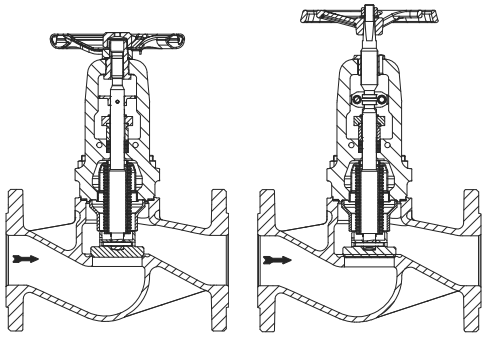


Fig. 52./55.146....111 Fig. 52./55.146....112

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1**
**TRB 801 No. 45** [1)]

| | | DN | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
| PN16 Straight through | **Fig. 52.146....111** (one-piece stem) | | | | | | | 2.488,- | 3.096,- | 3.771,- | 6.006,- | 8.029,- | 14.636,- | 29.975,- |
| | regulating plug | | | | | | | 2.652,- | 3.328,- | 4.105,- | 6.459,- | 8.631,- | 15.738,- | 31.461,- |
| | **Fig. 52.146....112** (two-piece stem) | | | | | | | 2.546,- | 3.168,- | 3.860,- | 6.147,- | 8.218,- | 14.839,- | 30.201,- |
| | regulating plug | | | | | | | 2.711,- | 3.401,- | 4.194,- | 6.602,- | 8.819,- | 15.943,- | 31.685,- |
| PN 40 Straight through | **Fig. 55.146....111** (one-piece stem) | 747,- | 961,- | 1.016,- | 1.179,- | 1.412,- | 1.648,- | 2.928,- | 3.653,- | 4.444,- | 7.081,- | 9.461,- | 16.904,- | 34.651,- |
| | regulating plug | 799,- | 1.019,- | 1.085,- | 1.263,- | 1.512,- | 1.771,- | 3.089,- | 3.886,- | 4.778,- | 7.536,- | 10.065,- | 18.021,- | 36.135,- |
| | **Fig. 55.146....112** (two-piece stem) | 761,- | 978,- | 1.036,- | 1.201,- | 1.439,- | 1.681,- | 2.984,- | 3.724,- | 4.533,- | 7.223,- | 9.652,- | 17.107,- | 34.875,- |
| | regulating plug | 813,- | 1.037,- | 1.105,- | 1.285,- | 1.541,- | 1.805,- | 3.149,- | 3.958,- | 4.868,- | 7.676,- | 10.253,- | 18.223,- | 36.359,- |

| **additional performance** | | DN | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
| plug design | PTFE (max. 200°C) | 139,- | 139,- | 139,- | 186,- | 186,- | 186,- | 238,- | 290,- | 352,- | 454,- | 535,- | 655,- | 773,- |
| | balancing plug | | | | | | | | | | 265,- | 265,- | 687,- | 997,- |
| trans-mitter | 1 limit switch open or close | 337,- | 337,- | 337,- | 337,- | 337,- | 337,- | 399,- | 399,- | 399,- | 459,- | 459,- | 510,- | 510,- |
| | 2 limit switches open/close | 431,- | 431,- | 431,- | 431,- | 431,- | 431,- | 495,- | 495,- | 495,- | 554,- | 554,- | | |
| design as hood valve (one-piece stem) | | 99,- | 99,- | 99,- | 99,- | 115,- | 115,- | 115,- | 115,- | 216,- | 216,- | 216,- | | |
| spare part cover unit (one-piece stem) | | 380,- | 576,- | 610,- | 708,- | 848,- | 988,- | 1.756,- | 2.191,- | 2.667,- | 4.249,- | 5.678,- | 8.645,- | 13.983,- |
| spare part cover unit (two-piece stem) | | 457,- | 588,- | 621,- | 720,- | 864,- | 1.007,- | 1.790,- | 2.235,- | 2.720,- | 4.334,- | 5.791,- | 8.779,- | 14.129,- |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 275,- | 321,- | 395,- |
| special flange drilling | | refer to page 204 | | | | | | | | | | | | |
| pneumatic actuator FA (two-piece stem) | | **Pneumatic actuator FA refer to page 96.** | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204
[1)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-FABA®-Supra C Stainless with one-piece or two-piece stem

**Stop valves with bellows seal - maintenance-free**
**metallic sealing**
PN 16/40 up to 400°C
stainless steel 1.4408

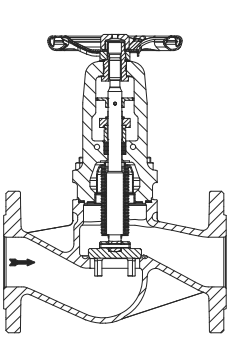


Fig. 52./55.146....153

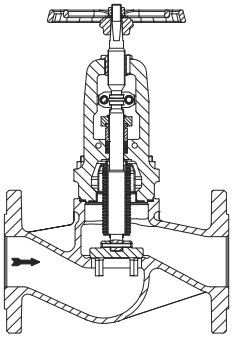


Fig. 52./55.146....154

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1**
**TRB 801 No. 45** [1)]

| | | DN | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
| PN 16 Straight through | **Fig. 52.146....153** (one-piece stem) | | | | | | | 2.561,- | 3.185,- | 3.881,- | 6.183,- | 8.264,- | 14.871,- | 30.224,- |
| | **Fig. 52.146....154** (two-piece stem) | | | | | | | 2.620,- | 3.260,- | 3.971,- | 6.325,- | 8.455,- | 15.075,- | 30.448,- |
| PN 40 Straight through | **Fig. 55.146....153** (one-piece stem) | 764,- | 982,- | 1.042,- | 1.208,- | 1.446,- | 1.687,- | 3.000,- | 3.745,- | 4.555,- | 7.258,- | 9.697,- | 17.142,- | 34.899,- |
| | **Fig. 55.146....154** (two-piece stem) | 780,- | 1.003,- | 1.060,- | 1.231,- | 1.473,- | 1.720,- | 3.057,- | 3.818,- | 4.644,- | 7.401,- | 9.887,- | 17.342,- | 35.122,- |

| **additional performance** | | DN | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
| plug design | PTFE (max. 200°C) | 139,- | 139,- | 139,- | 186,- | 186,- | 186,- | 238,- | 290,- | 352,- | 454,- | 535,- | 655,- | 773,- |
| | balancing plug | | | | | | | | | | 265,- | 265,- | 687,- | 997,- |
| trans-mitter | 1 limit switch open or close | 337,- | 337,- | 337,- | 337,- | 337,- | 337,- | 399,- | 399,- | 399,- | 459,- | 459,- | 510,- | 510,- |
| | 2 limit switches open/close | 431,- | 431,- | 431,- | 431,- | 431,- | 431,- | 495,- | 495,- | 495,- | 554,- | 554,- | | |
| design as hood valve (one-piece stem) | | 99,- | 99,- | 99,- | 99,- | 115,- | 115,- | 115,- | 115,- | 216,- | 216,- | 216,- | | |
| spare part cover unit (one-piece stem) | | 459,- | 591,- | 625,- | 725,- | 870,- | 1.012,- | 1.801,- | 2.246,- | 2.733,- | 4.355,- | 5.820,- | 8.800,- | 14.143,- |
| spare part cover unit (two-piece stem) | | 467,- | 602,- | 636,- | 739,- | 884,- | 1.032,- | 1.836,- | 2.290,- | 2.786,- | 4.441,- | 5.935,- | 8.931,- | 14.288,- |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 275,- | 321,- | 395,- |
| special flange drilling | | refer to page 204 | | | | | | | | | | | | |
| pneumatic actuator FA (two-piece stem) | | **Pneumatic actuator FA refer to page 96.** | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204
[1)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-FABA®-Supra I Stainless with one-piece or two-piece stem

**Stop valves w. bellows seal - mainten.-free metallic sealing**

## with butt weld ends

PN 40 up to 400°C
stainless steel 1.4581

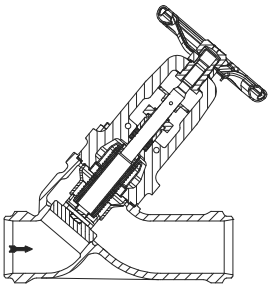


Fig. 55.166....111

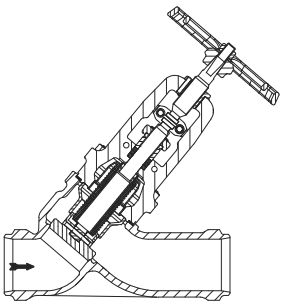


Fig. 55.166....112

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1**
**TRB 801 No. 45** [1)]

| | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
| Y-pattern | **Fig. 55.166....111** (one-piece stem) | 751,- | 959,- | 1.014,- | 1.237,- | 1.477,- | 1.718,- | 2.868,- | 3.569,- | 4.346,- | 6.630,- | 8.840,- | 14.517,- |
| | regulating plug | 803,- | 1.016,- | 1.084,- | 1.319,- | 1.578,- | 1.843,- | 3.033,- | 3.802,- | 4.680,- | 7.083,- | 9.442,- | 15.531,- |
| | **Fig. 55.166....112** (two-piece stem) | 765,- | 977,- | 1.035,- | 1.259,- | 1.506,- | 1.752,- | 2.930,- | 3.642,- | 4.435,- | 6.770,- | 9.028,- | 14.718,- |
| | regulating plug | 817,- | 1.036,- | 1.104,- | 1.343,- | 1.607,- | 1.877,- | 3.091,- | 3.875,- | 4.768,- | 7.224,- | 9.632,- | 15.733,- |

| **additional performance** | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
| plug design | PTFE (max. 200°C) | 139,- | 139,- | 139,- | 186,- | 186,- | 186,- | 238,- | 290,- | 352,- | 454,- | 535,- | 655,- |
| | balancing plug | | | | | | | | | | 265,- | 265,- | 687,- |
| trans-mitter | 1 limit switch open or close | 337,- | 337,- | 337,- | 337,- | 337,- | 337,- | 399,- | 399,- | 399,- | 459,- | 459,- | 510,- |
| | 2 limit switches open/close | 431,- | 431,- | 431,- | 431,- | 431,- | 431,- | 495,- | 495,- | 495,- | 554,- | 554,- | 614,- |
| design as hood valve (one-piece stem) | | 99,- | 99,- | 99,- | 99,- | 115,- | 115,- | 115,- | 115,- | 216,- | 216,- | 216,- | |
| spare part cover unit (one-piece stem) | | 380,- | 576,- | 610,- | 708,- | 848,- | 988,- | 1.756,- | 2.191,- | 2.667,- | 4.249,- | 5.678,- | 8.645,- |
| spare part cover unit (two-piece stem) | | 457,- | 588,- | 621,- | 720,- | 864,- | 1.007,- | 1.790,- | 2.235,- | 2.720,- | 4.334,- | 5.791,- | 8.779,- |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 275,- | 321,- |
| special butt weld end shaping | | refer to page 204 | | | | | | | | | | | |
| pneumatic actuator FA (two-piece stem) | | **Pneumatic actuator FA refer to page 96.** | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204
[1)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-FABA®-Supra C Stainless with one-piece or two-piece stem

**Stop valves w. bellows seal - mainten.-free metallic sealing**

## with butt weld ends

PN 40 up to 400°C
stainless steel 1.4581

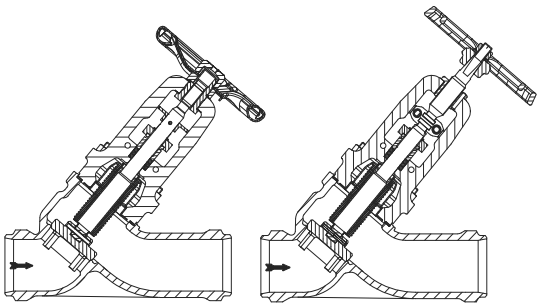


Fig. 55.166....153 Fig. 55.166....154

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc.to EN ISO 15848-1**
**TRB 801 No. 45** [1)]

| | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
| Y-pattern | **Fig. 55.166....153** (one-piece stem) | 770,- | 981,- | 1.039,- | 1.266,- | 1.512,- | 1.761,- | 2.942,- | 3.662,- | 4.456,- | 6.806,- | 9.076,- | 14.752,- |
| | **Fig. 55.166....154** (two-piece stem) | 785,- | 1.002,- | 1.059,- | 1.289,- | 1.541,- | 1.792,- | 3.002,- | 3.734,- | 4.546,- | 6.948,- | 9.266,- | 14.955,- |

| **additional performance** | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
| plug design | PTFE (max. 200°C) | 139,- | 139,- | 139,- | 186,- | 186,- | 186,- | 238,- | 290,- | 352,- | 454,- | 535,- | 655,- |
| | balancing plug | | | | | | | | | | 265,- | 265,- | 687,- |
| trans-mitter | 1 limit switch open or close | 337,- | 337,- | 337,- | 337,- | 337,- | 337,- | 399,- | 399,- | 399,- | 459,- | 459,- | 510,- |
| | 2 limit switches open/close | 431,- | 431,- | 431,- | 431,- | 431,- | 431,- | 495,- | 495,- | 495,- | 554,- | 554,- | 614,- |
| design as hood valve (one-piece stem) | | 99,- | 99,- | 99,- | 99,- | 115,- | 115,- | 115,- | 115,- | 216,- | 216,- | 216,- | |
| spare part cover unit (one-piece stem) | | 459,- | 591,- | 625,- | 725,- | 870,- | 1.012,- | 1.801,- | 2.246,- | 2.733,- | 4.355,- | 5.820,- | 8.800,- |
| spare part cover unit (two-piece stem) | | 467,- | 602,- | 636,- | 739,- | 884,- | 1.032,- | 1.836,- | 2.290,- | 2.786,- | 4.441,- | 5.935,- | 8.931,- |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 275,- | 321,- |
| special butt weld end shaping | | refer to page 204 | | | | | | | | | | | |
| pneumatic actuator FA (two-piece stem) | | **Pneumatic actuator FA refer to page 96.** | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204
[1)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-FABA®-Supra I ANSI with one-piece or two-piece stem

**Stop valves with bellows seal - maintenance-free**
**metallic sealing**
ANSI150 / 300 up to 800°F/427°C
carbon steel SA216 WCB - ASME Sect. II

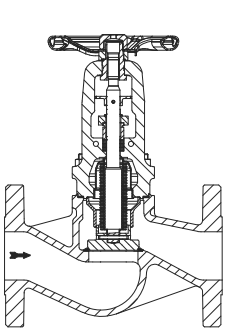


Fig. 32./35.141....111

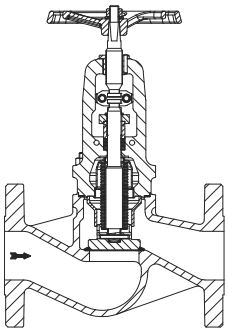


Fig. 32./35.141....112

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1**
**TRB 801 No. 45** [1)]

| | | DN / NPS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 40 | 50 | 65 | 80 | 100 | 150 | 200 | 250 | |
| | | 1/2" | 3/4" | 1" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 6" | 8" | 10" | |
| Straight through ANSI150 | **Fig. 32.141....111** (one-piece stem) | 521,- | 532,- | 551,- | 824,- | 899,- | 1.363,- | 1.823,- | 2.274,- | 3.932,- | 6.173,- | 10.766,- | Flanges: ANSI B 16.5 Face-to-face dimension: ANSI B 16.10 |
| | regulating plug | 548,- | 560,- | 584,- | 867,- | 954,- | 1.436,- | 1.924,- | 2.398,- | 4.146,- | 6.460,- | 11.139,- | |
| | **Fig. 32.141....112** (two-piece stem) | 530,- | 542,- | 562,- | 840,- | 917,- | 1.391,- | 1.857,- | 2.315,- | 4.010,- | 6.261,- | 10.864,- | |
| | regulating plug | 558,- | 570,- | 593,- | 883,- | 971,- | 1.464,- | 1.957,- | 2.441,- | 4.225,- | 6.547,- | 11.238,- | |
| Straight through ANSI300 | **Fig. 35.141....111** (one-piece stem) | 546,- | 558,- | 580,- | 866,- | 944,- | 1.432,- | 1.915,- | 2.389,- | 4.129,- | 6.482,- | 11.002,- | |
| | regulating plug | 576,- | 589,- | 612,- | 911,- | 1.002,- | 1.508,- | 2.021,- | 2.517,- | 4.354,- | 6.783,- | 11.383,- | |
| | **Fig. 35.141....112** (two-piece stem) | 556,- | 569,- | 591,- | 881,- | 963,- | 1.461,- | 1.949,- | 2.431,- | 4.211,- | 6.573,- | 11.102,- | |
| | regulating plug | 587,- | 598,- | 623,- | 928,- | 1.020,- | 1.538,- | 2.055,- | 2.562,- | 4.436,- | 6.874,- | 11.484,- | |

| additional performance | | DN / NPS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 40 | 50 | 65 | 80 | 100 | 150 | 200 | 250 | |
| | | 1/2" | 3/4" | 1" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 6" | 8" | 10" | |
| plug design | PTFE (max. 392°F/200°C) | 45,- | 45,- | 57,- | 67,- | 71,- | 75,- | 81,- | 96,- | 131,- | 275,- | 398,- | |
| | balancing plug | | | | | | | | | 259,- | 332,- | 415,- | |
| | plug/seat stellited | | 200,- | | | 230,- | | 340,- | 428,- | 570,- | 875,- | 1.300,- | |
| trans-mitter | 1 limit switch open or close | 326,- | 326,- | 326,- | 326,- | 326,- | 388,- | 388,- | 388,- | 446,- | 496,- | 496,- | |
| | 2 limit switches open/close | 421,- | 421,- | 421,- | 421,- | 421,- | 481,- | 481,- | 481,- | 537,- | 596,- | 596,- | |
| spare part cover unit (one-piece stem) | | 327,- | 336,- | 346,- | 520,- | 566,- | 858,- | 1.150,- | 1.433,- | 2.475,- | 4.052,- | 5.363,- | |
| spare part cover unit (two-piece stem) | | 335,- | 341,- | 352,- | 531,- | 577,- | 876,- | 1.169,- | 1.460,- | 2.525,- | 4.108,- | 5.426,- | |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 321,- | 395,- | |
| special flange drilling | | refer to page 204 | | | | | | | | | | | |
| pneumatic actuator FA (two-piece stem) | | **Pneumatic actuator FA refer to page 96.** | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204
[1)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-FABA®-Supra C ANSI with one-piece or two-piece stem

**Stop valves with bellows seal - maintenance-free**
**metallic sealing**
ANSI 150 / 300 up to 800°F/427°C
carbon steel SA216 WCB - ASME Sect. II

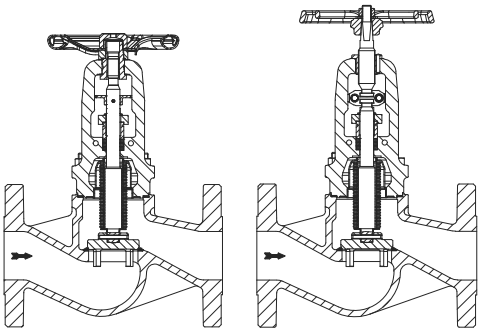


Fig. 32./35.141....153 Fig. 32./35.141....154

**German"TA-Luft" (clean air act)**
**TÜV-Test-No. TA 07 2016 C04**
**acc. to EN ISO 15848-1**
**TRB 801 No. 45** [1)]

| | | DN / NPS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 40 | 50 | 65 | 80 | 100 | 150 | 200 | 250 | |
| | | 1/2" | 3/4" | 1" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 6" | 8" | 10" | |
| Straight through ANSI150 | **Fig. 32.141....153** (one-piece stem) | 532,- | 544,- | 566,- | 842,- | 919,- | 1.383,- | 1.859,- | 2.315,- | 3.982,- | 6.274,- | 10.876,- | Flanges: ANSI B 16.5 Face-to-face dimension: ANSI B 16.10 |
| | **Fig. 32.141....154** (two-piece stem) | 542,- | 555,- | 577,- | 859,- | 935,- | 1.412,- | 1.893,- | 2.357,- | 4.061,- | 6.362,- | 10.970,- | |
| Straight through ANSI300 | **Fig. 35.141....153** (one-piece stem) | 558,- | 571,- | 594,- | 884,- | 965,- | 1.453,- | 1.952,- | 2.431,- | 4.182,- | 6.588,- | 11.114,- | |
| | **Fig. 35.141....154** (two-piece stem) | 569,- | 584,- | 605,- | 901,- | 982,- | 1.483,- | 1.987,- | 2.474,- | 4.265,- | 6.680,- | 11.210,- | |

| additional performance | | DN / NPS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 40 | 50 | 65 | 80 | 100 | 150 | 200 | 250 | |
| | | 1/2" | 3/4" | 1" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 6" | 8" | 10" | |
| plug design | PTFE (max. 392°F/200°C) | 45,- | 45,- | 57,- | 67,- | 71,- | 75,- | 81,- | 96,- | 131,- | 275,- | 398,- | |
| | balancing plug | | | | | | | | | 259,- | 332,- | 415,- | |
| | plug/seat stellited | | 200,- | | | 230,- | | 340,- | 428,- | 570,- | 875,- | 1.300,- | |
| trans-mitter | 1 limit switch open or close | 326,- | 326,- | 326,- | 326,- | 326,- | 388,- | 388,- | 388,- | 446,- | 496,- | 496,- | |
| | 2 limit switcheses open/close | 421,- | 421,- | 421,- | 421,- | 421,- | 481,- | 481,- | 481,- | 537,- | 596,- | 596,- | |
| spare part cover unit (one-piece stem) | | 336,- | 342,- | 355,- | 532,- | 580,- | 873,- | 1.170,- | 1.458,- | 2.510,- | 4.118,- | 5.434,- | |
| spare part cover unit (two-piece stem) | | 341,- | 348,- | 365,- | 540,- | 591,- | 890,- | 1.192,- | 1.485,- | 2.560,- | 4.175,- | 5.438,- | |
| stem extension max. 2500 mm | | 195,- | 195,- | 195,- | 195,- | 195,- | 229,- | 229,- | 238,- | 275,- | 321,- | 395,- | |
| special flange drilling | | refer to page 204 | | | | | | | | | | | |
| pneumatic actuator FA (two-piece stem) | | **Pneumatic actuator FA refer to page 96.** | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204
[1)] Additional certification necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
Certifications on page 205.

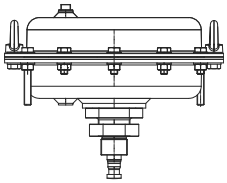
⚠ **Attention: Observe max. perm. Δp in throttling function!**

# Pneumatic actuators FA

## for ARI-FABA®-Supra I/C with two-piece stem

**Actuator type:** **FA160, FA250, FA400, FA800**
Function: Single acting,
Spring closes or Spring opens
Control pressure: max. 6 bar

Design acc. to data sheet



**FA160 - 800**

| Pneumatic actuator FA | FA160 | FA250 | FA400 | FA800 |
|---|---|---|---|---|
| **spring closes** | 901,- | 987,- | 1.192,- | 2.324,- |
| **spring opens on air failure** | 775,- | 866,- | 1.080,- | 1.842,- |

| additional performance for accessories | |
|---|---|
| Solenoid valve (seat 2,5mm, 230V50Hz) ) | 216,- |
| Throttling valve (G1/4) | 172,- |
| Air set including gauge (with manometer 0-10 bar) | 270,- |

**Closing pressures: Spring closes**

| DN | | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **FA160** | Air supply pressure min. **(bar)** | 4 | 40 | 40 | 26,7 | 18,0 | | | | | | | |
| **FA250** | | 4,5 | | | | 40 | 20,5 | 11,1 | 1,6 | | | | |
| **FA400** | | 4,5 | | | | | 40 | 31 | 14,8 | 6,5 | 1,4 | | |
| **FA800** | | 5 | | | | | | | | | 17,4 | 8,9 | 4,3 |

**Closing pressures: Spring opens on air failure**

| DN | | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **FA160** | Air supply pressure min. **(bar)** | 3 | 40 | 40 | 21,1 | 13,7 | | | | | | | |
| | | 4 | 40 | 40 | 40 | 31,9 | | | | | | | |
| | | 5 | 40 | 40 | 40 | 40 | | | | | | | |
| | | 6 | 40 | 40 | 40 | 40 | | | | | | | |
| **FA250** | | 3 | | | | 38,4 | 13,8 | 6,9 | | | | | |
| | | 4 | | | | 40 | 30 | 17,3 | 6,2 | | | | |
| | | 5 | | | | 40 | 40 | 27,8 | 12,5 | | | | |
| | | 6 | | | | 40 | 40 | 38,2 | 18,7 | | | | |
| **FA400** | | 3 | | | | | | | 9,6 | 3,9 | | | |
| | | 4 | | | | | | | 19,6 | 10,5 | 4,7 | | |
| | | 5 | | | | | | | 29,6 | 17,1 | 9 | | |
| | | 6 | | | | | | | 39,5 | 23,8 | 13,2 | | |
| **FA800** | | 3 | | | | | | | | | 10,4 | 4,5 | 1,8 |
| | | 4 | | | | | | | | | 18,9 | 10 | 5,6 |
| | | 5 | | | | | | | | | 27,5 | 15,5 | 9,4 |
| | | 6 | | | | | | | | | 36 | 21 | 13,2 |

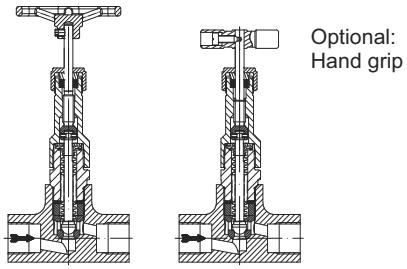
The specified closing pressures apply to an approach flow against the closing direction of the plug at p2 = 0 bar.

**Notes**:

# Stop valve with bellows seal

**Stop valves - maintenance-free**
**metallic sealing**
PN 40 with bellows seal up to 450°C
forged steel 1.0460
stainless steel 1.4541

| Types of connection: | BR |
|---|---|
| Screwed sockets (Rp- and NPT) | 6A2....2 |
| Socket weld ends | 6A2....3 |
| Butt weld ends | 6A2....4 |



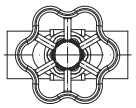



**Fig. 45.6A2....2**

| I31 | | DN | | |
|---|---|---|---|---|
| | | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
| PN 40 straight through | Fig. 45.6A2....2 | 335,- | 335,- | -- |
| | Fig. 45.6A2....3 | 346,- | 346,- | -- |
| | Fig. 45.6A2....4 | 346,- | 346,- | 346,- |
| | Fig. 55.6A2....2 | 472,- | 472,- | -- |
| | Fig. 55.6A2....3 | 488,- | 488,- | -- |
| | Fig. 55.6A2....4 | 488,- | 488,- | 488,- |

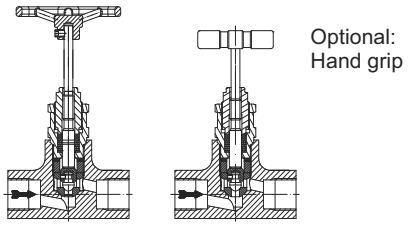
| additional performance | DN | | |
|---|---|---|---|
| | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
| Regulating plug | on request | | |
| Hand grip (standard = hand wheel) | on request | | |

Design acc. to data sheet
Special shapings of Screwed sockets/Socket weld ends/Butt weld ends acc. to agreement
Certifications on page 205.

# Stop valve with gland seal

**Stop valves - low maintenance**
**metallic sealing**
PN 40 with gland seal up to 450°C
forged steel 1.0460
stainless steel 1.4541

| Types of connection: | BR |
|---|---|
| Screwed sockets (Rp- and NPT) | 6A1....2 |
| Socket weld ends | 6A1....3 |
| Butt weld ends | 6A1....4 |



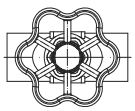



**Fig. 45.6A1....2**

| I43 | | DN | | |
|---|---|---|---|---|
| | | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
| PN 40 straight through | Fig. 45.6A1....2 | 235,- | 235,- | -- |
| | Fig. 45.6A1....3 | 250,- | 250,- | -- |
| | Fig. 45.6A1....4 | 250,- | 250,- | 250,- |
| | Fig. 55.6A1....2 | 383,- | 383,- | -- |
| | Fig. 55.6A1....3 | 405,- | 405,- | -- |
| | Fig. 55.6A1....4 | 405,- | 405,- | 405,- |

| additional performance | DN | | |
|---|---|---|---|
| | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
| Regulating plug | on request | | |
| Hand grip (standard = hand wheel) | on request | | |

Design acc. to data sheet
Special shapings of Screwed sockets/Socket weld ends/Butt weld ends acc. to agreement
Certifications on page 205.

# ARI-STOBU®

**Stop valves with gland seal**
**metallic sealing**
PN 16 up to 300°C
cast iron EN-JL1040
**German "TA-Luft" TÜV-Test-No. TA 08 2016 C04**
**acc. to EN ISO 15848-1 (optional)**

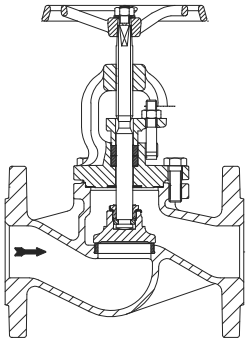


**Fig. 12.006**

***"Angle pattern valves on page 76 with bellow seal"***



| | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **15** | **20** | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** | **300** |
| **PN 16 straight thr.** | **Fig. 12.006** | 107,- | 117,- | 138,- | 164,- | 180,- | 219,- | 302,- | 387,- | 510,- | 813,- | 1.021,- | 2.357,- | 3.670,- | 5.354,- |
| | regulating plug + position indicator + locking device | 153,- | 161,- | 180,- | 220,- | 243,- | 296,- | 407,- | 507,- | 648,- | 993,- | 1.240,- | 2.643,- | 4.043,- | 5.830,- |

| **additional performance** | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **15** | **20** | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** | **300** |
| plug design | PTFE (max.200°C) | 45,- | 45,- | 57,- | 64,- | 67,- | 71,- | 75,- | 81,- | 96,- | 100,- | 131,- | 275,- | 398,- | 480,- |
| | screw down non-return plug + spring | 20,- | 21,- | 30,- | 34,- | 39,- | 48,- | 60,- | 79,- | 105,- | 152,- | 212,- | 393,- | 618,- | 895,- |
| | balancing plug | | | | | | | | | | 257,- | 257,- | 327,- | 411,- | 510,- |
| | plug with back seat | 124,- | 124,- | 127,- | 127,- | 166,- | 174,- | 231,- | 305,- | 332,- | 472,- | 634,- | on request | | |
| trans-mitter | 1 limit switch open or close | 365,- | 365,- | 365,- | 365,- | 365,- | 365,- | 433,- | 433,- | 433,- | 496,- | 496,- | 496,- | 496,- | 496,- |
| | 2 limit switches open / close | 467,- | 467,- | 467,- | 467,- | 467,- | 467,- | 535,- | 535,- | 535,- | 596,- | 596,- | 596,- | 596,- | 596,- |
| cpl. cover unit as spare part | | 63,- | 72,- | 83,- | 100,- | 107,- | 131,- | 182,- | 233,- | 309,- | 481,- | 607,- | 1.404,- | 2.186,- | 3.188,- |
| stem extension max. 2500 mm | | 944,- | 944,- | 1.146,- | 1.672,- | 1.672,- | 1.672,- | 1.685,- | 1.685,- | 1.748,- | 1.842,- | 1.842,- | 1.876,- | 2.691,- | 2.691,- |
| EN ISO 15848-1 / German "TA-Luft" packing up to 300°C | | 103,- | 103,- | 103,- | 103,- | 119,- | 119,- | 149,- | 161,- | 193,- | 244,- | 260,- | on request | | |
| special flange drilling | | refer to page 204 | | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204
Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-STOBU®

**Stop valves with gland seal**
**metallic sealing**
PN 16 / 25 up to 350°C
nodular iron EN-JS1049
**German "TA-Luft" TÜV-Test-No. TA 08 2016 C04**
**acc. to EN ISO 15848-1 (optional)**

**TRB 801 No. 45** [1)]

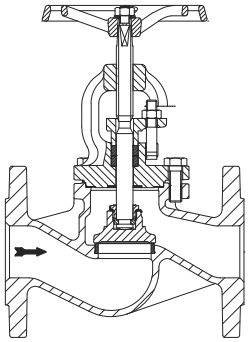


**Fig. 22./23.006**

***"Angle pattern valves on page 77 with bellow seal"***

| | | DN | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **15** | **20** | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** | **300** | **350** |
| **PN 16 straight thr.** | **Fig. 22.006** | 164,- | 195,- | 214,- | 270,- | 290,- | 371,- | 461,- | 566,- | 759,- | 1.160,- | 1.507,- | 3.003,- | 5.358,- | 9.031,- | 9.972,- |
| | regul. plug + pos. indicator + locking device | 212,- | 238,- | 260,- | 326,- | 352,- | 447,- | 564,- | 687,- | 901,- | 1.340,- | 1.729,- | 3.293,- | 5.730,- | 9.506,- | 10.508,- |
| **PN 25 straight thr.** | **Fig. 23.006** | 170,- | 199,- | 219,- | 272,- | 294,- | 377,- | 471,- | 580,- | 858,- | 1.348,- | 1.766,- | | | | |
| | regul. plug + pos. indicator + locking device | 214,- | 240,- | 265,- | 330,- | 361,- | 454,- | 570,- | 697,- | 1.001,- | 1.525,- | 1.987,- | | | | |

| **additional performance** | | DN | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **15** | **20** | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** | **300** | **350** |
| plug design | PTFE (max.200°C) | 45,- | 45,- | 57,- | 64,- | 67,- | 71,- | 75,- | 81,- | 96,- | 100,- | 131,- | 275,- | 398,- | 480,- | |
| | screw down non-return plug + spring | 20,- | 21,- | 30,- | 34,- | 39,- | 48,- | 60,- | 79,- | 105,- | 152,- | 212,- | 393,- | 618,- | 895,- | |
| | balancing plug | | | | | | | | | | 257,- | 257,- | 327,- | 411,- | 510,- | 747,- |
| | plug with back seat | 124,- | 124,- | 127,- | 127,- | 166,- | 174,- | 231,- | 305,- | 332,- | 472,- | 634,- | on request | | | |
| trans-mitter | 1 limit switch open or close | 365,- | 365,- | 365,- | 365,- | 365,- | 365,- | 433,- | 433,- | 433,- | 496,- | 496,- | 496,- | 496,- | 496,- | 496,- |
| | 2 limit switches open / close | 467,- | 467,- | 467,- | 467,- | 467,- | 467,- | 535,- | 535,- | 535,- | 596,- | 596,- | 596,- | 596,- | 596,- | 596,- |
| cpl. cover unit as spare part | | 100,- | 116,- | 128,- | 158,- | 177,- | 222,- | 278,- | 342,- | 459,- | 689,- | 897,- | 1.788,- | 3.189,- | 5.377,- | 5.940,- |
| stem extension max. 2500 mm | | 944,- | 944,- | 1.146,- | 1.672,- | 1.672,- | 1.672,- | 1.685,- | 1.685,- | 1.748,- | 1.842,- | 1.842,- | 1.876,- | 2.691,- | 2.691,- | |
| EN ISO 15848-1 / German "TA-Luft" packing up to 300°C | | 103,- | 103,- | 103,- | 103,- | 119,- | 119,- | 149,- | 161,- | 193,- | 244,- | 260,- | on request | | | |
| EN ISO 15848-1 / German "TA-Luft" packing up to 400°C | | 211,- | 211,- | 211,- | 211,- | 250,- | 250,- | 337,- | 351,- | 473,- | 496,- | 514,- | on request | | | |
| special flange drilling | | refer to page 204 | | | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204
[1)] additional certification is necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
Certifications on page 205.

**⚠ Attention: Observe max. perm. Δp in throttling function!**

# ARI-STOBU®

**Stop valves with gland seal**
**metallic sealing**
PN 25 / 40 up to 450°C cast steel 1.0619+N
**German "TA-Luft" TÜV-Test-No. TA 08 2016 C04**
**acc. to EN ISO 15848-1 (optional)**
**TRB 801 No. 45** [1)]
**Type test approval TÜ.A 187-00** [1)]
PN 40 up to 450°C forged steel 1.0460
**German "TA-Luft" TÜV-Test-No. TA 08 2016 C04**
**acc. to EN ISO 15848-1 (optional)**
**TRB 801 No. 45** [1)]
**Type test approval TÜ.A 187-00** [1)]

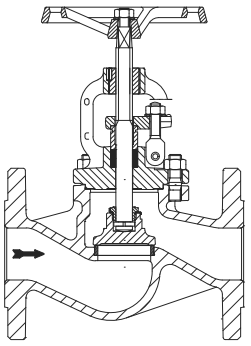


**Fig. 34./35.006**

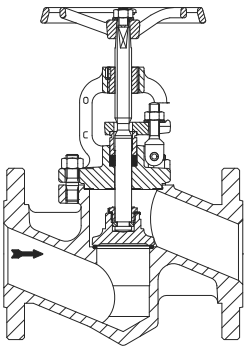


**Fig. 45.006**

***"Angle pattern valves on page 79 with bellow seal"***

| | | DN | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **15** | **20** | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** | **300** | **350** | **400** | **500** |
| **PN 25 / 40 straight through** | PN 25 **Fig. 34.006** | 201,- | 216,- | 233,- | 308,- | 377,- | 446,- | 674,- | 884,- | 1.130,- | 1.601,- | 2.150,- | 3.997,- | 7.180,- | 10.951,- | 17.845,- | 24.261,- | 31.439,- |
| | PN 40 **Fig. 35.006** | | | | | | | | | | | | 4.491,- | 8.287,- | 14.348,- | 20.892,- | 27.700,- | 34.583,- |
| | PN 25 -> regul. plug + pos. indicator + locking device PN 40 -> | 243,- | 260,- | 278,- | 364,- | 441,- | 525,- | 774,- | 1.007,- | 1.269,- | 1.780,- | 2.372,- | 4.313,- | 7.554,- | 11.424,- | 18.379,- | 24.876,- | 32.289,- |
| | | | | | | | | | | | | | 4.778,- | 8.660,- | 14.820,- | 21.428,- | 28.315,- | 35.433,- |
| **PN 40 straight thr.** | **Fig. 45.006** | 211,- | 229,- | 248,- | 322,- | 395,- | 471,- | | | | | | | | | | | |
| | regul. plug + pos. indicator + locking device | 257,- | 271,- | 291,- | 378,- | 461,- | 551,- | | | | | | | | | | | |

| **additional performance** | | DN | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **15** | **20** | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** | **300** | **350** | **400** | **500** |
| plug design | PTFE (max.200°C) | 45,- | 45,- | 57,- | 64,- | 67,- | 71,- | 75,- | 81,- | 96,- | 100,- | 131,- | 275,- | 398,- | 480,- | | | |
| | screw down non-return plug + spring | 20,- | 21,- | 30,- | 34,- | 39,- | 48,- | 60,- | 79,- | 105,- | 152,- | 212,- | 393,- | 618,- | 895,- | | | |
| | balancing plug | | | | | | | | | | 257,- | 257,- | 327,- | 411,- | 510,- | 747,- | 982,- | 1.545,- |
| | plug/ seat stellited | 200,- | | | | 230,- | | | 340,- | 428,- | 570,- | 875,- | 1.300,- | 1.770,- | 1.935,- | 2.815,- | 3.715,- | 4.930,- |
| | plug with back seat | 124,- | 124,- | 127,- | 127,- | 166,- | 174,- | 231,- | 305,- | 332,- | 472,- | 634,- | on request | | | | | |
| studs + nuts A4 below -10°C | | 24,- | 24,- | 30,- | 30,- | 30,- | 30,- | 34,- | 42,- | 68,- | 76,- | 216,- | 303,- | | | | | |
| trans-mitter | 1 limit switch open or close | 365,- | 365,- | 365,- | 365,- | 365,- | 365,- | 433,- | 433,- | 433,- | 496,- | 496,- | 496,- | 496,- | 496,- | 496,- | | |
| | 2 limit switches open / close | 467,- | 467,- | 467,- | 467,- | 467,- | 467,- | 535,- | 535,- | 535,- | 596,- | 596,- | 596,- | 596,- | 596,- | 596,- | | |
| cpl. cover unit as spare part | | 123,- | 136,- | 168,- | 189,- | 233,- | 273,- | 414,- | 546,- | 687,- | 971,- | 1.305,- | 2.206,- | 4.360,- | 6.649,- | 10.830,- | 14.727,- | 19.087,- |
| stem extension max. 2500 mm | | 944,- | 944,- | 1.146,- | 1.672,- | 1.672,- | 1.672,- | 1.685,- | 1.685,- | 1.748,- | 1.842,- | 1.842,- | 1.876,- | 2.691,- | 2.691,- | | | |
| EN ISO 15848-1 / German "TA-Luft" packing up to 300°C | | 103,- | 103,- | 103,- | 103,- | 119,- | 119,- | 149,- | 161,- | 193,- | 244,- | 260,- | on request | | | | | |
| EN ISO 15848-1 / German "TA-Luft" packing up to 400°C | | 211,- | 211,- | 211,- | 211,- | 250,- | 250,- | 337,- | 351,- | 473,- | 496,- | 514,- | on request | | | | | |
| special flange drilling | | refer to page 204 | | | | | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204

[1)] additional certification is necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
Certifications on page 205.

**⚠ Attention: Observe max. perm. Δp in throttling function!**

# ARI-STOBU® with butt weld ends

**Stop valves with gland seal**
**metallic sealing**
PN 25/40 up to 450°C cast steel 1.0619+N
PN 40 up to 450°C forged steel 1.0460

**German "TA-Luft" TÜV-Test-No. TA 08 2016 C04**
**acc. to EN ISO 15848-1 (optional)**
**Type test approval TÜ.A. 187-00** [1)]
**TRB 801 No.45** [1)]

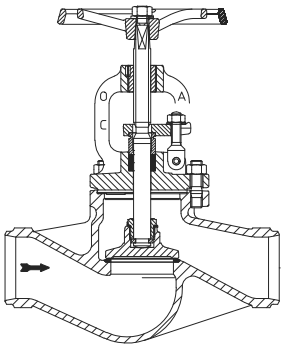


**Fig. 35.005**

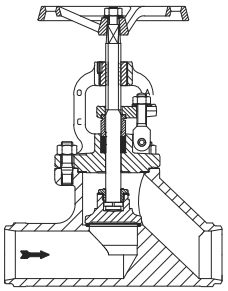


**Fig. 45.005**

| | | DN | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
| PN 40 straight thr. | **Fig. 35.005** | | | | | | | 802,- | 1.057,- | 1.365,- | 2.054,- | 2.711,- | 5.572,- | 7.687,- |
| | regulating plug + position indicator + locking device | | | | | | | 904,- | 1.181,- | 1.507,- | 2.233,- | 2.935,- | 5.859,- | 8.059,- |
| | **Fig. 45.005** | 193,- | 205,- | 222,- | 293,- | 364,- | 450,- | | | | | | | |
| | regulating plug + position indicator + locking device | 236,- | 249,- | 269,- | 347,- | 429,- | 533,- | | | | | | | |

| additional performance | | DN | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
| plug design | PTFE (max.200°C) | 45,- | 45,- | 57,- | 64,- | 67,- | 71,- | 75,- | 81,- | 96,- | 100,- | 131,- | 275,- | 398,- |
| | screw down non-return plug + spring | 20,- | 21,- | 30,- | 34,- | 39,- | 48,- | 60,- | 79,- | 105,- | 152,- | 212,- | 393,- | 618,- |
| | balancing plug | | | | | | | | | | 257,- | 257,- | 327,- | 411,- |
| | plug/ seat stellited | 200,- | | | | 230,- | | | 340,- | 428,- | 570,- | 875,- | 1.300,- | 1.770,- |
| | plug with back seat | 124,- | 124,- | 127,- | 127,- | 166,- | 174,- | 231,- | 305,- | 332,- | 472,- | 634,- | on request | |
| studs + nuts A4 below -10°C | | 24,- | 24,- | 30,- | 30,- | 30,- | 30,- | 34,- | 42,- | 68,- | 76,- | 216,- | 303,- | |
| trans-mitter | 1 limit switch open or close | 365,- | 365,- | 365,- | 365,- | 365,- | 365,- | 433,- | 433,- | 433,- | 496,- | 496,- | 496,- | 496,- |
| | 2 limit switches open / close | 467,- | 467,- | 467,- | 467,- | 467,- | 467,- | 535,- | 535,- | 535,- | 596,- | 596,- | 596,- | 596,- |
| cpl. cover unit as spare part | | 123,- | 136,- | 168,- | 189,- | 233,- | 273,- | 414,- | 546,- | 687,- | 971,- | 1.305,- | 2.206,- | 4.360,- |
| stem extension max. 2500 mm | | 944,- | 944,- | 1.146,- | 1.672,- | 1.672,- | 1.672,- | 1.685,- | 1.685,- | 1.748,- | 1.842,- | 1.842,- | 1.876,- | 2.691,- |
| EN ISO 15848-1 / German "TA-Luft" packing up to 300°C | | 103,- | 103,- | 103,- | 103,- | 119,- | 119,- | 149,- | 161,- | 193,- | 244,- | 260,- | on request | |
| EN ISO 15848-1 / German "TA-Luft" packing up to 400°C | | 211,- | 211,- | 211,- | 211,- | 250,- | 250,- | 337,- | 351,- | 473,- | 496,- | 514,- | on request | |
| special flange- or weld end shaping | | refer to page 204 | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balance plug from certain differential pressure - refer to page 204
[1)] additional certification is necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
Certifications on page 205.

**⚠ Attention: Observe max. perm. Δp in throttling function!**

# ARI-STOBU®stainless steel

**Stop valves with gland seal**
**metallic sealing**

PN 16 / 25 / 40 up to 400°C
stainless steel 1.4408

**German "TA-Luft" TÜV-Test-No. TA 08 2016 C04**
**acc. to EN ISO 15848-1 (optional)**
**TRB 801 No. 45** [1)]

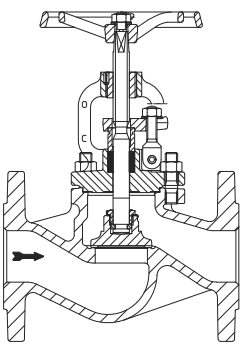


**Fig. 55.006**

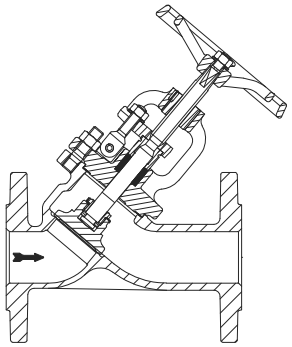


**Fig. 55.009**

| | | DN | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | | 200 | 250 | |
| PN 16 / 25 / 40 straight through | PN 16 **Fig. 52.006** | 353,- | 454,- | 479,- | 610,- | 734,- | 853,- | 1.151,- | 1.435,- | 1.748,- | 3.208,- | 4.288,- | | 7.954,- | 18.996,- | application down to -60°C |
| | PN 25 / 40 **Fig. 55.006** | | | | | | | 1.785,- | 2.150,- | 2.761,- | 4.971,- | 6.436,- | **PN 25** | 10.284,- | 24.563,- | |
| | PN 16 -> regulating plug + position indicator + locking device PN 25 / 40 -> | 435,- | 548,- | 586,- | 727,- | 888,- | 1.018,- | 1.356,- | 1.714,- | 2.081,- | 3.662,- | 4.886,- | | 8.967,- | 21.987,- | |
| | | | | | | | | 1.992,- | 2.431,- | 3.094,- | 5.420,- | 7.033,- | **PN 25** | 11.299,- | 27.557,- | |
| PN 16 / 25 / 40 Y-pattern | PN 16 **Fig. 52.009** | 340,- | 435,- | 464,- | 588,- | 702,- | 820,- | 998,- | 1.240,- | 1.511,- | 3.170,- | 4.242,- | | 7.871,- | | application down to -60°C |
| | PN 25 / 40 **Fig. 55.009** | | | | | | | 1.586,- | 1.860,- | 2.265,- | 4.815,- | 6.359,- | | 10.227,- | | |
| | PN 16 -> regulating plug + position indicator + locking device PN 25 / 40 -> | 421,- | 531,- | 571,- | 702,- | 858,- | 986,- | 1.202,- | 1.521,- | 1.843,- | 3.624,- | 4.772,- | | 8.880,- | | |
| | | | | | | | | 1.791,- | 2.145,- | 2.598,- | 5.267,- | 6.887,- | | 11.235,- | | |

| additional performance | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | |
| plug design | PTFE (max 200°C) | 139,- | 139,- | 139,- | 186,- | 186,- | 186,- | 238,- | 290,- | 352,- | 454,- | 535,- | 655,- | 773,- | |
| | balancing plug | | | | | | | | | | 264,- | 264,- | 337,- | 422,- | |
| | Plug with back seat | 132,- | 132,- | 141,- | 141,- | 193,- | 211,- | 282,- | 352,- | 429,- | 787,- | 1.053,- | | | |
| Packing PTFE-Silk (max 280°C) | | 20,- | 20,- | 20,- | 20,- | 41,- | 41,- | 55,- | 55,- | 55,- | 66,- | 66,- | 99,- | 156,- | |
| Gasket PTFE (max 200°C) | | 20,- | 20,- | 22,- | 22,- | 34,- | 34,- | 55,- | 55,- | 55,- | 74,- | 74,- | 99,- | 156,- | |
| trans-mitter | 1 limit switch open or close | 375,- | 375,- | 375,- | 375,- | 375,- | 375,- | 443,- | 443,- | 443,- | 510,- | 510,- | 510,- | 510,- | |
| | 2 limit switches open / close | 479,- | 479,- | 479,- | 479,- | 479,- | 479,- | 551,- | 551,- | 551,- | 614,- | 614,- | 614,- | 614,- | |
| cpl. cover unit as spare part[2)] | | 205,- | 264,- | 274,- | 350,- | 421,- | 493,- | 1.071,- | 1.291,- | 1.657,- | 2.944,- | 3.819,- | 6.097,- | 14.776,- | |
| stem extension max. 2500 mm | | 944,- | 944,- | 1.146,- | 1.672,- | 1.672,- | 1.672,- | 1.685,- | 1.685,- | 1.748,- | 1.842,- | 1.842,- | 1.876,- | 2.691,- | |
| EN ISO 15848-1 / German "TA-Luft" packing up to 300°C | | 103,- | 103,- | 103,- | 103,- | 119,- | 119,- | 149,- | 161,- | 193,- | 244,- | 260,- | on request | | |
| EN ISO 15848-1 / German "TA-Luft" packing up to 400°C | | 211,- | 211,- | 211,- | 211,- | 250,- | 250,- | 337,- | 351,- | 473,- | 496,- | 514,- | on request | | |
| special flange drilling | | refer to page 204 | | | | | | | | | | | | | |

Design acc. to data sheet
Attention: Notice the need of a pressure balancing plug from certain differential pressure - refer to page 204

[1)] additional certification is necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)

[2)] for Fig. 55.006 / 55.009

Certifications on page 205.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-STOBU® PN63/100/160

## with flanges

### Stop valves with gland seal
### metallic sealing

PN 63/100/160 with gland seal

DN10-50:
up to 450°C forged steel 1.0460 [1]
up to 550°C high temperature steel 1.7335 [2]

DN65-100:
up to 400°C cast steel 1.0619+N [1]
up to 530°C high temperature steel 1.7357 [2]

NEW! from ARI

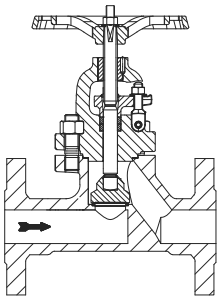


Fig. 46./48.006
DN10-50

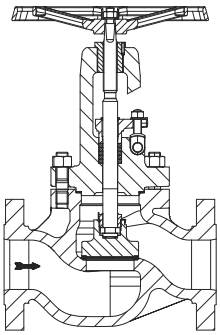


Fig. 38.006
DN65-100

| | | | DN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 10 | 15 | 20 | 25 | 32 | 40 | | 50 | 65 | 80 | 100 |
| 1.0460 | PN 63 | Fig. 46.006....40 | (PN63 for DN10-40 is covered by PN160) | | | | | | PN 63 | 986,- | | | |
| | | regulating plug + position indicator + locking device | (PN63 for DN10-40 is covered by PN160) | | | | | | PN 63 | 1.123,- | | | |
| | PN 63 / 100 / 160 | Fig. 48.006....40 | 436,- | 436,- | 451,- | 451,- | 848,- | 848,- | PN 100 / 160 | 1.049,- | | | |
| | | regulating plug + position indicator + locking device | 505,- | 505,- | 523,- | 523,- | 916,- | 916,- | PN 100 / 160 | 1.223,- | | | |
| 1.7335 | PN 63 | Fig. 86.006....81 | (PN63 for DN10-40 is covered by PN160) | | | | | | PN 63 | 1.695,- | | | |
| | | regulating plug + position indicator + locking device | (PN63 for DN10-40 is covered by PN160) | | | | | | PN 63 | 1.869,- | | | |
| | PN 63 / 100 / 160 | Fig. 88.006....81 | 609,- | 609,- | 609,- | 609,- | 1.303,- | 1.303,- | PN 100 / 160 | 1.695,- | | | |
| | | regulating plug + position indicator + locking device | 680,- | 680,- | 680,- | 680,- | 1.439,- | 1.439,- | PN 100 / 160 | 1.869,- | | | |
| 1.0619+N | PN 63 | Fig. 36.006....30 [3] | | | | | | | | | 1.363,- | 1.799,- | 2.221,- |
| | PN 100 | Fig. 37.006....30 [3] | | | | | | | | | 1.363,- | 1.799,- | 2.221,- |
| | PN 160 | Fig. 38.006....30 [3] | | | | | | | | | 1.363,- | 1.799,- | 2.221,- |
| 1.7357 | PN 63 | Fig. 86.006....89 [3] | | | | | | | | | 3.286,- | 3.387,- | 4.862,- |
| | PN 100 | Fig. 87.006....89 [3] | | | | | | | | | 3.286,- | 3.387,- | 6.076,- |
| | PN 160 | Fig. 88.006....89 [3] | | | | | | | | | 3.600,- | 4.683,- | 6.441,- |

| additional performance | | DN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 | 15 | 20 | 25 | 32 | 40 | | 50 | 65 | 80 | 100 |
| plug design | loose plug + spring | 61,- | 61,- | 85,- | 85,- | 99,- | 99,- | | 146,- | on request | | |
| | balancing plug [4] | | | | | | | | | 319,- | 351,- | 404,- |
| transmitter | 1 limit switch open or close | on request | | | | | | | | | | |
| | 2 limit switches open / close | on request | | | | | | | | | | |
| cpl. cover unit as spare part | 1.0460 | 252,- | 252,- | 270,- | 270,- | 516,- | 516,- | | 655,- | | | |
| | 1.7335 | 294,- | 294,- | 350,- | 350,- | 653,- | 653,- | | 935,- | | | |
| | 1.0619+N | | | | | | | | | 716,- | 943,- | 1.165,- |
| | 1.7357 | | | | | | | | | 1.132,- | 1.264,- | 3.188,- |
| stem extension up to max. 2500 mm | | | 944,- | 944,- | 1.146,- | 1.672,- | 1.672,- | | 1.672,- | 1.685,- | 1.685,- | 1.748,- |
| non-rising handwheel | | 314,- | 314,- | 359,- | 359,- | 376,- | 376,- | | 426,- | on request | | |
| conversion set (non-rising handwheel --> connection F10 ISO 5210 group B1) | | 72,- | 72,- | 85,- | 85,- | 97,- | 97,- | | 112,- | on request [5] | | |
| connection F10 acc. to ISO 5210 group (lock bush) B1 (without actuating element) | | 381,- | 381,- | 437,- | 437,- | 463,- | 463,- | | 533,- | on request [5] | | |
| handwheel blocking | | on request | | | | | | | | | | |
| back seat | | standard | | | | | | | | | | |
| special flange drilling | | refer to page 204 | | | | | | | | | | |
| pneumatic or electric actuators | | refer to page 106 / 107 | | | | | | | | | | |

Design acc. to data sheet

Further certifications on page 205.

[1] Inspection: Final certificate and Material certificate acc.to DIN EN 10204-3.1 is standard.
[2] Inspection: Final certificate acc.to DIN EN 10204-3.1 and Material certificate acc.to DIN EN 10204-3.2 is standard.
[3] Regulating plug + position indicator + locking device on request
[4] Differential pressure acc. to data sheet
[5] Connection F14 acc. to ISO 5210 group B1

I45 ⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-STOBU® PN63/100/160

## with butt weld ends

### Stop valves with gland seal
### metallic sealing

PN 63/100/160 with gland seal

DN10-50:
up to 450°C forged steel 1.0460 [1)]
up to 530°C high temperature steel 1.5415 [2)]
up to 550°C high temperature steel 1.7335 [2)]

DN65-100:
up to 400°C cast steel 1.0619+N [1)]
up to 530°C high temperature steel 1.7357 [2)]

NEW! from ARI

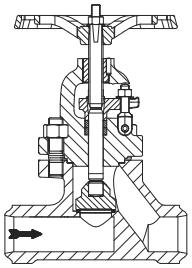


Fig. 48.005
DN10-50

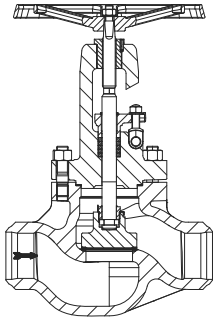


Fig. 38.005
DN65-100



| | | | DN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 10 | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 |
| 1.0460 | PN63 / 100 / 160 | **Fig. 46./47./48.005....40** | 359,- | 359,- | 386,- | 386,- | 737,- | 737,- | 935,- | | | |
| | | regulating plug + position indicator + locking device | 429,- | 429,- | 457,- | 457,- | 874,- | 874,- | 1.110,- | | | |
| 1.5415 | PN63 / 100 / 160 | **Fig. 86./87./88.005....80** | 421,- | 421,- | 500,- | 500,- | 932,- | 932,- | 1.338,- | | | |
| | | regulating plug + position indicator + locking device | 491,- | 491,- | 571,- | 571,- | 1.069,- | 1.069,- | 1.511,- | | | |
| 1.7335 | PN63 / 100 / 160 | **Fig. 86./87./88.005....81** | 570,- | 570,- | 598,- | 598,- | 980,- | 980,- | 1.362,- | | | |
| | | regulating plug + position indicator + locking device | 642,- | 642,- | 668,- | 668,- | 1.117,- | 1.117,- | 1.538,- | | | |
| 1.0619+N | PN 63 | **Fig. 36.005....30** [3)] | | | | | | | | 1.548,- | 1.945,- | 2.272,- |
| | PN 100 | **Fig. 37.005....30** [3)] | | | | | | | | 1.548,- | 1.945,- | 2.272,- |
| | PN 160 | **Fig. 38.005....30** [3)] | | | | | | | | 1.548,- | 1.945,- | 2.478,- |
| 1.7357 | PN 63 | **Fig. 86.005....89** [3)] | | | | | | | | 4.122,- | 4.884,- | 6.594,- |
| | PN 100 | **Fig. 87.005....89** [3)] | | | | | | | | 4.122,- | 4.884,- | 6.594,- |
| | PN 160 | **Fig. 88.005....89** [3)] | | | | | | | | 4.328,- | 5.117,- | 6.924,- |

| Zusatzleistungen | | DN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 |
| plug design | loose plug + spring | 61,- | 61,- | 85,- | 85,- | 99,- | 99,- | 146,- | on request | | |
| | balancing plug [4)] | | | | | | | | 319,- | 351,- | 404,- |
| transmitter | 1 limit switch open or close | on request | | | | | | | | | |
| | 2 limit switches open / close | on request | | | | | | | | | |
| cpl. cover unit as spare part | 1.0460 | 252,- | 252,- | 270,- | 270,- | 516,- | 516,- | 655,- | | | |
| | 1.5415 | 294,- | 294,- | 350,- | 350,- | 653,- | 653,- | 935,- | | | |
| | 1.7335 | 398,- | 398,- | 420,- | 420,- | 687,- | 687,- | 954,- | | | |
| | 1.0619+N | | | | | | | | 716,- | 943,- | 1.165,- |
| | 1.7357 | | | | | | | | 1.132,- | 1.264,- | 3.188,- |
| stem extension up to max. 2500 mm | | | 944,- | 944,- | 1.146,- | 1.672,- | 1.672,- | 1.672,- | 1.685,- | 1.685,- | 1.748,- |
| non-rising handwheel | | 314,- | 314,- | 359,- | 359,- | 376,- | 376,- | 426,- | on request | | |
| conversion set (non-rising handwheel --> connection F10 ISO 5210 group B1) | | 72,- | 72,- | 85,- | 85,- | 97,- | 97,- | 112,- | on request [5)] | | |
| connection F10 acc. to ISO 5210 group (lock bush) B1 (without actuating element) | | 381,- | 381,- | 437,- | 437,- | 463,- | 463,- | 533,- | on request [5)] | | |
| handwheel blocking | | on request | | | | | | | | | |
| back seat | | standard | | | | | | | | | |
| special weld end shaping | | refer to page 204 | | | | | | | | | |
| pneumatic or electric actuators | | refer to page 108 / 109 | | | | | | | | | |

Design acc. to data sheet

Further certifications on page 205.

[1)] Inspection: Final certificate and Material certificate acc.to DIN EN 10204-3.1 is standard.
[2)] Inspection: Final certificate acc.to DIN EN 10204-3.1 and Material certificate acc.to DIN EN 10204-3.2 is standard.
[3)] Regulating plug + position indicator + locking device on request
[4)] Differential pressure acc. to data sheet
[5)] Connection F14 acc. to ISO 5210 group B1

**⚠ Attention: Observe max. perm. Δp in throttling function!**

# ARI-STOBU® PN63/100/160

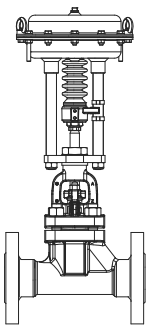
## with flanges

### with pneumatic actuators

**Stop valves with gland seal metallic sealing**

PN 63/100/160 with gland seal

up to 450°C of forged steel 1.0460 [1)]
up to 550°C of high temperature 1.7335 [2)]



ARI-DP

| Nominal diameter | | | | DN | 10 | 15 | 20 | 25 | 32 | 40 | 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | | 2,7 | 4,2 | 6,4 | 8,6 | 21,8 | 24,2 | 33 |
| closing pressure **DP32** | | spring closes | Air supply press. min. 4,5 bar | bar | 40 | 40 | 40 | 40 | | | |
| | | spring opens | Air supply press. min. 4,5 bar | bar | 40 | 40 | 40 | 40 | | | |
| | | | Air supply press. min. 6 bar | bar | 60 | 60 | 60 | 60 | | | |
| Fig. No. | Fig. 46.006....40 | PN 63 | 1.0460 | | on request | | | | | | |
| | Fig. 48.006....40 | PN 63 / 100 / 160 | 1.0460 | | | | | | | | |
| | Fig. 86.006....81 | PN 63 | 1.7335 | | | | | | | | |
| | Fig. 88.006....81 | PN 63 / 100 / 160 | 1.7335 | | | | | | | | |
| closing pressure **DP33** | | spring closes | Air supply press. min. 4,5 bar | bar | 60 | 60 | 60 | 60 | 25 | 25 | 20 |
| | | spring opens | Air supply press. min. 4,5 bar | bar | 60 | 60 | 60 | 60 | 25 | 25 | 25 |
| | | | Air supply press. min. 6 bar | bar | 80 | 80 | 80 | 80 | 40 | 40 | 40 |
| Fig. No. | Fig. 46.006....40 | PN 63 | 1.0460 | | on request | | | | | | |
| | Fig. 48.006....40 | PN 63 / 100 / 160 | 1.0460 | | | | | | | | |
| | Fig. 86.006....81 | PN 63 | 1.7335 | | | | | | | | |
| | Fig. 88.006....81 | PN 63 / 100 / 160 | 1.7335 | | | | | | | | |
| closing pressure **DP34** | | spring closes | Air supply press. min. 4,5 bar | bar | | | | | 60 | 60 | 50 |
| | | spring opens | Air supply press. min. 4,5 bar | bar | | | | | 65 | 65 | 60 |
| | | | Air supply press. min. 6 bar | bar | | | | | 80 | 80 | 70 |
| Fig. No. | Fig. 46.006....40 | PN 63 | 1.0460 | | | | | | on request | | |
| | Fig. 48.006....40 | PN 63 / 100 / 160 | 1.0460 | | | | | | | | |
| | Fig. 86.006....81 | PN 63 | 1.7335 | | | | | | | | |
| | Fig. 88.006....81 | PN 63 / 100 / 160 | 1.7335 | | | | | | | | |

Add. performance for special design and accessories of actuators - refer to pages 52 to 55
Design acc. to data sheet
Special flange drilling acc. to agreement

**larger nominal diameters on request**

[1)] Inspection: Final certificate and Material certificate acc.to DIN EN 10204-3.1 is standard.

Further certifications on page 205.

[2)] Inspection: Final certificate acc.to DIN EN 10204-3.1 and Material certificate acc.to DIN EN 10204-3.2 is standard.

**⚠ Attention: Observe max. perm. Δp in throttling function!**

# ARI-STOBU® PN63/100/160

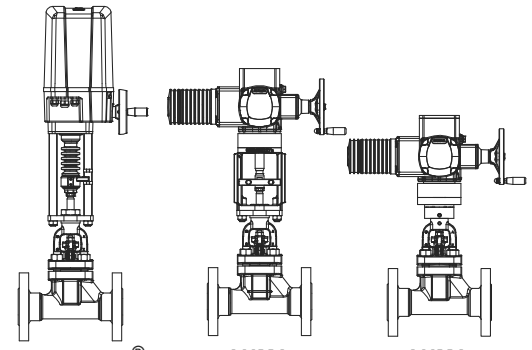
## with flanges

### with electric actuators

**Stop valves with gland seal metallic sealing**

PN 63/100/160 with gland seal

up to 450°C of forged steel 1.0460 [1)]
up to 550°C of high temperature 1.7335 [2)]



ARI-PREMIO® | AUMA group A | AUMA group B1

| Nominal diameter | | | | DN | 10 | 15 | 20 | 25 | 32 | 40 | 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | | 2,7 | 4,2 | 6,4 | 8,6 | 21,8 | 24,2 | 33 |
| PREMIO® 5 kN (90-264V) | | closing pressure | | bar | 30 | 30 | 30 | 30 | | | |
| | | operating time | | s | 30 | 30 | 30 | 30 | | | |
| Fig. No. | Fig. 46.006....40 | PN 63 | 1.0460 | | on request | | | | | | |
| | Fig. 48.006....40 | PN 63 / 100 / 160 | 1.0460 | | | | | | | | |
| | Fig. 86.006....81 | PN 63 | 1.7335 | | | | | | | | |
| | Fig. 88.006....81 | PN 63 / 100 / 160 | 1.7335 | | | | | | | | |
| PREMIO® 12 kN (90-264V) | | closing pressure | | bar | 60 | 60 | 60 | 60 | 50 | 50 | 40 |
| | | operating time | | s | 30 | 30 | 30 | 30 | 45 | 45 | 55 |
| Fig. No. | Fig. 46.006....40 | PN 63 | 1.0460 | | on request | | | | | | |
| | Fig. 48.006....40 | PN 63 / 100 / 160 | 1.0460 | | | | | | | | |
| | Fig. 86.006....81 | PN 63 | 1.7335 | | | | | | | | |
| | Fig. 88.006....81 | PN 63 / 100 / 160 | 1.7335 | | | | | | | | |
| PREMIO® 15 kN (90-264V) | | closing pressure | | bar | 70 | 70 | 70 | 70 | 60 | 60 | 50 |
| | | operating time | | s | 30 | 30 | 30 | 30 | 45 | 45 | 55 |
| Fig. No. | Fig. 46.006....40 | PN 63 | 1.0460 | | on request | | | | | | |
| | Fig. 48.006....40 | PN 63 / 100 / 160 | 1.0460 | | | | | | | | |
| | Fig. 86.006....81 | PN 63 | 1.7335 | | | | | | | | |
| | Fig. 88.006....81 | PN 63 / 100 / 160 | 1.7335 | | | | | | | | |
| **Connection acc. to ISO 5210 group A** | | | | | | | | | | | |
| AUMA SA07.6 | | closing pressure | | bar | 160 | 160 | 160 | 160 | 80 | 80 | 80 |
| | | operating time | | s | 8 | 8 | 8 | 8 | 13 | 13 | 15 |
| Fig. No. | Fig. 46.006....40 | PN 63 | 1.0460 | | on request | | | | | | |
| | Fig. 48.006....40 | PN 63 / 100 / 160 | 1.0460 | | | | | | | | |
| | Fig. 86.006....81 | PN 63 | 1.7335 | | | | | | | | |
| | Fig. 88.006....81 | PN 63 / 100 / 160 | 1.7335 | | | | | | | | |
| AUMA SA07.6 | | closing pressure | | bar | | | | | 160 | 160 | 160 |
| | | operating time | | s | | | | | 13 | 13 | 15 |
| Fig. No. | Fig. 46.006....40 | PN 63 | 1.0460 | | | | | | on request | | |
| | Fig. 48.006....40 | PN 63 / 100 / 160 | 1.0460 | | | | | | | | |
| | Fig. 86.006....81 | PN 63 | 1.7335 | | | | | | | | |
| | Fig. 88.006....81 | PN 63 / 100 / 160 | 1.7335 | | | | | | | | |
| **Connection F10 acc. to ISO 5210 group (lock bush) B1** | | | | | | | | | | | |
| AUMA SA07.6 | | closing pressure | | bar | 160 | 160 | 160 | 160 | 80 | 80 | 80 |
| | | operating time | | s | 21 | 21 | 21 | 21 | 32 | 32 | 39 |
| Fig. No. | Fig. 46.006....40 | PN 63 | 1.0460 | | on request | | | | | | |
| | Fig. 48.006....40 | PN 63 / 100 / 160 | 1.0460 | | | | | | | | |
| | Fig. 86.006....81 | PN 63 | 1.7335 | | | | | | | | |
| | Fig. 88.006....81 | PN 63 / 100 / 160 | 1.7335 | | | | | | | | |
| AUMA SA07.6 | | closing pressure | | bar | | | | | 160 | 160 | 160 |
| | | operating time | | s | | | | | 32 | 32 | 39 |
| Fig. No. | Fig. 46.006....40 | PN 63 | 1.0460 | | | | | | on request | | |
| | Fig. 48.006....40 | PN 63 / 100 / 160 | 1.0460 | | | | | | | | |
| | Fig. 86.006....81 | PN 63 | 1.7335 | | | | | | | | |
| | Fig. 88.006....81 | PN 63 / 100 / 160 | 1.7335 | | | | | | | | |

Supply voltage, add. performance for special design and accessories of actuators - refer to pages 57 and 60

Design acc. to data sheet

Special flange drillings acc. to agreement

**larger nominal diameters on request**

[1)] Inspection: Final certificate and Material certificate acc.to DIN EN 10204-3.1 is standard.

Further certifications on page 205.

[2)] Inspection: Final certificate acc.to DIN EN 10204-3.1 and Material certificate acc.to DIN EN 10204-3.2 is standard.

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-STOBU® PN63/100/160

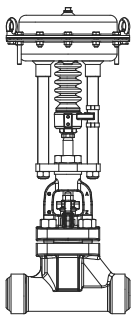
## with butt weld ends

### with pneumatic actuators

**Stop valves with gland seal metallic sealing**

PN 63/100/160 with gland seal

up to 450°C of forged steel 1.0460 [1)]
up to 530°C of high temperature 1.5415 [2)]
up to 550°C of high temperature 1.7335 [2)]



ARI-DP

| Nominal diameter | | | | | DN | 10 | 15 | 20 | 25 | 32 | 40 | 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | | | 2,7 | 4,2 | 6,4 | 8,6 | 21,8 | 24,2 | 33 |
| closing pressure **DP32** | | spring closes | Air supply press. min. 4,5 bar | | bar | 40 | 40 | 40 | 40 | | | |
| | | spring opens | Air supply press. min. 4,5 bar | | bar | 40 | 40 | 40 | 40 | | | |
| | | | Air supply press. min. 6 bar | | bar | 60 | 60 | 60 | 60 | | | |
| Fig. No. | Fig. 48.005....40 | PN 160 [3)] | 1.0460 | | | on request | | | | | | |
| | Fig. 88.005....80 | | 1.5415 | | | | | | | | | |
| | Fig. 88.005....81 | | 1.7335 | | | | | | | | | |
| closing pressure **DP33** | | spring closes | Air supply press. min. 4,5 bar | | bar | 60 | 60 | 60 | 60 | 25 | 25 | 20 |
| | | spring opens | Air supply press. min. 4,5 bar | | bar | 60 | 60 | 60 | 60 | 25 | 25 | 25 |
| | | | Air supply press. min. 6 bar | | bar | 80 | 80 | 80 | 80 | 40 | 40 | 40 |
| Fig. No. | Fig. 48.005....40 | PN 160 [3)] | 1.0460 | | | on request | | | | | | |
| | Fig. 88.005....80 | | 1.5415 | | | | | | | | | |
| | Fig. 88.005....80 | | 1.7335 | | | | | | | | | |
| closing pressure **DP34** | | spring closes | Air supply press. min. 4,5 bar | | bar | | | | | 60 | 60 | 50 |
| | | spring opens | Air supply press. min. 4,5 bar | | bar | | | | | 65 | 65 | 60 |
| | | | Air supply press. min. 6 bar | | bar | | | | | 80 | 80 | 70 |
| Fig. No. | Fig. 48.005....40 | PN 160 [3)] | 1.0460 | | | | | | | on request | | |
| | Fig. 88.005....80 | | 1.5415 | | | | | | | | | |
| | Fig. 88.005....81 | | 1.7335 | | | | | | | | | |

[1)] Inspection: Final certificate and Material certificate acc.to DIN EN 10204-3.1 is standard.

Further certifications on page 205.

[2)] Inspection: Final certificate acc.to DIN EN 10204-3.1 and Material certificate acc.to DIN EN 10204-3.2 is standard.

[3)] Valves with butt weld ends are manufactured acc. to PN160 as standard. Butt weld end dimensions for PN63/100 optionally acc. to agreement.

Add. performance for special design and accessories of actuators - refer to page refer to page 52 to 55
Design acc. to data sheet
Special flange drilling acc. to agreement

**larger nominal diameters on request**

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-STOBU® PN63/100/160

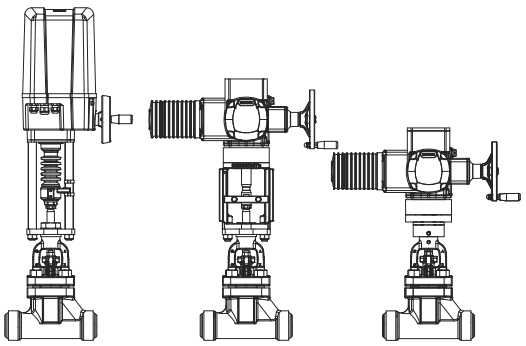
## with butt weld ends

### with electric actuators

**Stop valves with gland seal metallic sealing**

PN 63/100/160 with gland seal

up to 450°C of forged steel 1.0460 [1)]
up to 530°C of high temperature 1.5415 [2)]
up to 550°C of high temperature 1.7335 [2)]



ARI-PREMIO® | AUMA group A | AUMA group B1

| Nominal diameter | | | | DN | 10 | 15 | 20 | 25 | 32 | 40 | 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | | 2,7 | 4,2 | 6,4 | 8,6 | 21,8 | 24,2 | 33 |
| PREMIO® 5 kN (90-264V) | | closing pressure | | bar | 30 | 30 | 30 | 30 | | | |
| | | operating time | | s | 30 | 30 | 30 | 30 | | | |
| Fig. No. | Fig. 48.005....40 | PN 160 [3)] | 1.0460 | | on request | | | | | | |
| | Fig. 88.005....80 | | 1.5415 | | | | | | | | |
| | Fig. 88.005....81 | | 1.7335 | | | | | | | | |
| PREMIO® 12 kN (90-264V) | | closing pressure | | bar | 60 | 60 | 60 | 60 | 50 | 50 | 40 |
| | | operating time | | s | 30 | 30 | 30 | 30 | 45 | 45 | 55 |
| Fig. No. | Fig. 48.005....40 | PN 160 [3)] | 1.0460 | | on request | | | | | | |
| | Fig. 88.005....80 | | 1.5415 | | | | | | | | |
| | Fig. 88.005....81 | | 1.7335 | | | | | | | | |
| PREMIO® 15 kN (90-264V) | | closing pressure | | bar | 70 | 70 | 70 | 70 | 60 | 60 | 50 |
| | | operating time | | s | 30 | 30 | 30 | 30 | 45 | 45 | 55 |
| Fig. No. | Fig. 48.005....40 | PN 160 [3)] | 1.0460 | | on request | | | | | | |
| | Fig. 88.005....80 | | 1.5415 | | | | | | | | |
| | Fig. 88.005....81 | | 1.7335 | | | | | | | | |
| **Connection acc. to ISO 5210 group A** | | | | | | | | | | | |
| AUMA SA07.6 | | closing pressure | | bar | 160 | 160 | 160 | 160 | 80 | 80 | 80 |
| | | operating time | | s | 8 | 8 | 8 | 8 | 13 | 13 | 15 |
| Fig. Nr. | Fig. 48.005....40 | PN 160 [3)] | 1.0460 | | on request | | | | | | |
| | Fig. 88.005....80 | | 1.5415 | | | | | | | | |
| | Fig. 88.005....81 | | 1.7335 | | | | | | | | |
| AUMA SA10.2 | | closing pressure | | bar | | | | | 160 | 160 | 160 |
| | | operating time | | s | | | | | 13 | 13 | 15 |
| Fig. Nr. | Fig. 48.005....40 | PN 160 [3)] | 1.0460 | | on request | | | | | | |
| | Fig. 88.005....80 | | 1.5415 | | | | | | | | |
| | Fig. 88.005....81 | | 1.7335 | | | | | | | | |
| **Connection F10 acc. to ISO 5210 group (lock bush) B1** | | | | | | | | | | | |
| AUMA SA07.6 | | closing pressure | | bar | 160 | 160 | 160 | 160 | 80 | 80 | 80 |
| | | operating time | | s | 21 | 21 | 21 | 21 | 32 | 32 | 39 |
| Fig. Nr. | Fig. 48.005....40 | PN 160 [3)] | 1.0460 | | on request | | | | | | |
| | Fig. 88.005....80 | | 1.5415 | | | | | | | | |
| | Fig. 88.005....81 | | 1.7335 | | | | | | | | |
| AUMA SA10.2 | | closing pressure | | bar | | | | | 160 | 160 | 160 |
| | | operating time | | s | | | | | 32 | 32 | 39 |
| Fig. Nr. | Fig. 48.005....40 | PN 160 [3)] | 1.0460 | | on request | | | | | | |
| | Fig. 88.005....80 | | 1.5415 | | | | | | | | |
| | Fig. 88.005....81 | | 1.7335 | | | | | | | | |

[1)] Inspection: Final certificate and Material certificate acc.to DIN EN 10204-3.1 is standard.

Further certifications on page 205.

[2)] Inspection: Final certificate acc.to DIN EN 10204-3.1 and Material certificate acc.to DIN EN 10204-3.2 is standard.

[3)] Valves with butt weld ends are manufactured acc. to PN160 as standard. Butt weld end dimensions for PN63/100 optionally acc. to agreement.

Supply voltage, add. performance for special design and accessories of actuators - refer to pages 57 and 60
Design acc. to data sheet
Special weld end shapings acc. to agreement

**larger nominal diameters on request**

⚠ **Attention: Observe max. perm. Δp in throttling function!**

# ARI-STOBU® 017

**Stop valves in 3-way-form**
PN 16 with gland seal up to 300°C
cast iron EN-JL1040
PN 25/40 with gland seal up to 450°C
cast steel 1.0619+N

**TRB 801 No.45** [1] (without 12.017)

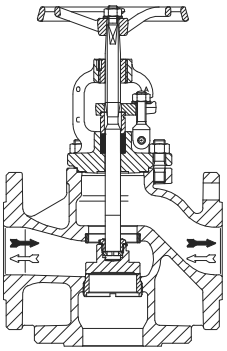


**Fig. 12./34./35.017**

| | | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
| 3-way form | PN 16 | EN-JL1040 **Fig. 12.017** | 275,- | 284,- | 291,- | 352,- | 408,- | 489,- | 552,- | 747,- | 941,- | 1.521,- | 1.937,- | 3.531,- | 5.796,- |
| | PN 25 | 1.0619+N **Fig. 34.017** | 534,- | 560,- | 598,- | 728,- | 953,- | 1.041,- | 1.581,- | 1.913,- | 2.549,- | 3.602,- | 4.788,- | 7.294,- | 10.189,- |
| | PN 40 | 1.0619+N **Fig. 35.017** | | | | | | | | | | | | 8.760,- | 11.943,- |

| additional performance | DN | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
| studs + nuts A4 below -10°C | 24,- | 24,- | 30,- | 30,- | 30,- | 30,- | 34,- | 42,- | 68,- | 76,- | 216,- | 303,- | |
| special flange shaping | refer to page 204 | | | | | | | | | | | | |

Design acc. to data sheet
[1] additional certification is necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
Certifications on page 205.

**⚠ Not suitable as change over valve for safety valves!**

**Notes:**

STOBU®
017

# ARI-ZESA®

## Wafer type butterfly valves; soft sealed - maintenance-free - disc of stainless steel 1.4581

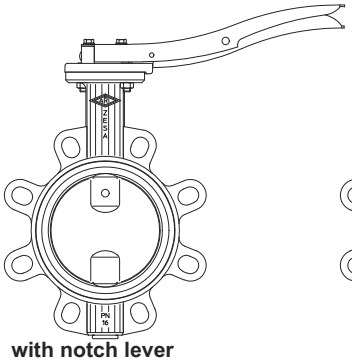
PN 6 / 10 / 16 - DN 20-500 of EN-JS1030

DN20 only suitable for flanges PN16

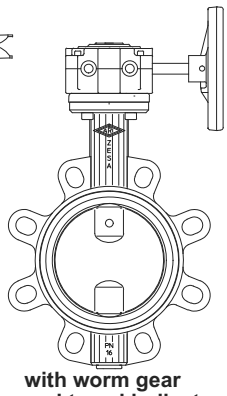
EPDM - seat max:130 °C
NBR - seat max: 80 °C
FPM (Viton) - seat max:150 °C

## Registration for drinking water

**THEA = THErmo-Appliance (Thermometer -20°C up to +40°C or 0°C up to 120°C, quality class 1)**



**with notch lever and travel indicator**



**with worm gear and travel indicator**

**- Fig. 22.012 -**

**Standard:** **EPDM seat and 1.4581 disc with DVGW-registration** DW-6201BR0244, acc. to DIN EN 1074-1/-2 incl. desinfection inspection, DVGW VP646 and DVGW W270 for drinking water

| Fig. 22.012 [1] PN 6 / 10 / 16 | | DN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 20/25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
| G21 | with **notch lever** disc of stainless steel 1.4581 | 118,- | 118,- | 152,- | 165,- | 181,- | 221,- | 252,- | 315,- | 461,- | 761,- |

| additional performance | | DN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 20/25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
| **stem and pivot** mat.-no. 1.4571 [2] | | 30,- | 30,- | 36,- | 36,- | 36,- | 36,- | 57,- | 93,- | 206,- | 300,- |
| **additional price for seat of FPM** (not for hot water) | | 108,- | 108,- | 138,- | 179,- | 254,- | 315,- | 351,- | 500,- | 573,- | 946,- |
| **lower price** without lever or gear | | 10,- | 10,- | 10,- | 10,- | 10,- | 10,- | 10,- | 20,- | 20,- | 20,- |
| **1 limit switch** (open or close) | | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- |
| **2 limit switches** (open / close) | | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- |
| G21 | additional price for variable adjustment and locklever | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- |
| G21 | additional price for THEA (THErmo-Appliance) (not for stem of 1.4571) | size 1 | | | size 2 | | | size 3 | size 4 | | |
| | | 50,- | | | 50,- | | | 50,- | 50,- | | |
| G21 | additional price for **worm gear** | 242-10S | | | | | | | 242-10M | | |
| | | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- |
| G21 | lower price for disc of EN-JS1030 with zinc-lamella coating | -- | -- | -- | -- | -- | -- | 24,- | 34,- | 72,- | 151,- |
| **additional price for seawater seat of NBR / disc of CuAl10Ni** | | -- | -- | 26,- | 26,- | 26,- | 69,- | 91,- | 109,- | 163,- | 218,- |
| **additional price for stem extension up to max. 2000mm** | | 867,- | 867,- | 867,- | 867,- | 867,- | 867,- | 867,- | 1.288,- | 1.288,- | 1.288,- |

| Fig. 22.012 [1] PN 10 / 16 | | DN | | | | | |
|---|---|---|---|---|---|---|---|
| | | 250 | 300 | 350 | 400 | 500 | 600 |
| G21 | with **worm gear** disc of stainless steel 1.4581 | 1.303,- | 1.841,- | 3.277,- | 3.824,- | 6.025,- | see ZIVA-Z [3] |

| additional performance | | DN | | | | | |
|---|---|---|---|---|---|---|---|
| | | 250 | 300 | 350 | 400 | 500 | 600 |
| **stem and pivot** mat.-no. 1.4571 | | 387,- | 565,- | -- | -- | -- | see ZIVA-Z [3] |
| **additional price for seat of FPM** (not for hot water) | | 1.710,- | 1.923,- | 2.068,- | 4.329,- | 5.927,- | |
| **1 limit switch** (open or close) | | 275,- | 275,- | 275,- | 275,- | 275,- | |
| **2 limit switches** (open / close) | | 469,- | 469,- | 469,- | 469,- | 469,- | |
| G21 | additional price for **worm gear** | 242-20M | 242-30S | | 242-30L | 242-40M | |
| | | 199,- | 291,- | 291,- | 291,- | 291,- | |
| G21 | lower price for disc of EN-JS1030 with zinc-lamella coating | 211,- | 433,- | 679,- | 910,- | 1.075,- | |
| **additional price for seawater seat of NBR / disc of CuAl10Ni** | | 332,- | 503,- | 713,- | 925,- | 2.209,- | |
| **additional price for stem extension up to max. 2000mm** | | 1.598,- | 1.598,- | 1.598,- | 2.010,- | 2.010,- | |

Design with electric actuators refer to page 114

[1] Includes 20.012 and 21.012 (only 21.012 from DN 350 onwards)

[2] Cannot be upgraded to the thermometer

[3] refer to page 116

Design acc. to data sheet

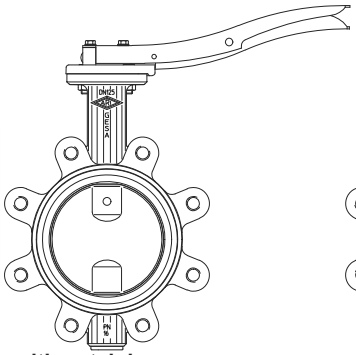
# ARI-GESA®

## Lug type butterfly valves; soft sealed - maintenance-free - disc of stainless steel 1.4581

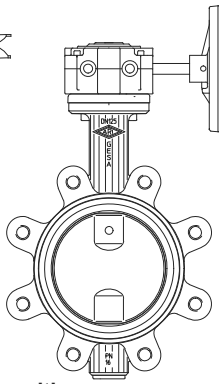
PN 10 / 16 - DN 25-500 of EN-JS1030

EPDM - seat max: 130 °C
NBR - seat max: 80 °C
FPM (Viton) - seat max: 150 °C

THEA = THErmo-Appliance (Thermometer -20°C up to +40°C or 0°C up to 120°C, quality class 1)



with notch lever and travel indicator



with worm gear and travel indicator

- Fig. 22.013 -

## Registration for drinking water

**Standard:** **EPDM seat and 1.4581 disc with DVGW-registration** DW-6201BR0244, acc. to DIN EN 1074-1/-2 incl. desinfection inspection, DVGW VP646 and DVGW W270 for drinking water

| Fig. 21.013 PN 10 / Fig. 22.013 PN 16 | | DN 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G22 | with **notch lever** disc of stainless steel 1.4581 | 194,- | 208,- | 222,- | 235,- | 267,- | 280,- | 365,- | 459,- | 511,- | 878,- |

| additional performance | | DN 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **stem and pivot** mat.-no. 1.4571 [1] | | 30,- | 30,- | 36,- | 36,- | 36,- | 36,- | 57,- | 93,- | 206,- | 300,- |
| **additional price for seat of FPM** (not for hot water) | | 108,- | 108,- | 138,- | 179,- | 254,- | 315,- | 351,- | 500,- | 573,- | 946,- |
| **lower price** without lever or gear | | 10,- | 10,- | 10,- | 10,- | 10,- | 10,- | 10,- | 20,- | 20,- | 20,- |
| **1 limit switch** (open or close) | | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- |
| **2 limit switches** (open / close) | | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- |
| G22 | additional price for variable adjustment and locklever | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- |
| G22 | additional price for THEA (THErmo-Appliance) (not for stem of 1.4571) | size 1 | | | size 2 | | | size 3 | size 4 | | |
| | | 50,- | | | 50,- | | | 50,- | 50,- | | |
| G22 | additional price for **worm gear** | 242-10S | | | | | | | 242-10M | | |
| | | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- |
| G22 | lower price for disc of EN-JS1030 with zinc-lamella coating | -- | -- | -- | -- | -- | -- | 24,- | 34,- | 72,- | 151,- |
| **additional price for seawater seat of NBR / disc of CuAl10Ni** | | -- | -- | 26,- | 26,- | 26,- | 69,- | 91,- | 109,- | 163,- | 218,- |
| **additional price for stem extension up to max. 2000mm** | | 867,- | 867,- | 867,- | 867,- | 867,- | 867,- | 867,- | 1.288,- | 1.288,- | 1.288,- |

| Fig. 21.013 PN 10 / Fig. 22.013 PN 16 | | DN 250 | 300 | 350 | 400 | 500 | 600 |
|---|---|---|---|---|---|---|---|
| G22 | with **worm gear** disc of stainless steel 1.4581 | 1.488,- | 2.079,- | 3.664,- | 4.654,- | 6.802,- | see ZIVA-G [2] |

| additional performance | | DN 250 | 300 | 350 | 400 | 500 | 600 |
|---|---|---|---|---|---|---|---|
| **stem and pivot** mat.-no. 1.4571 | | 387,- | 565,- | -- | -- | -- | see ZIVA-G [2] |
| **additional price for seat of FPM** (not for hot water) | | 1.710,- | 1.923,- | 2.068,- | 4.329,- | 5.927,- | |
| **1 limit switch** (open or close) | | 275,- | 275,- | 275,- | 275,- | 275,- | |
| **2 limit switches** (open / close) | | 469,- | 469,- | 469,- | 469,- | 469,- | |
| G22 | additional price for **worm gear** | 242-20M | 242-30S | | 242-30L | 242-40M | |
| | | 199,- | 291,- | 291,- | 291,- | 291,- | |
| G22 | lower price for disc of EN-JS1030 with zinc-lamella coating | 211,- | 433,- | 679,- | 910,- | 1.075,- | |
| **additional price for seawater seat of NBR / disc of CuAl10Ni** | | 332,- | 503,- | 713,- | 925,- | 2.209,- | |
| **additional price for stem extension up to max. 2000mm** | | 1.598,- | 1.598,- | 1.598,- | 2.010,- | 2.010,- | |

Design acc. to data sheet

Design with electric actuators refer to page 115

[1] Cannot be upgraded to the thermometer

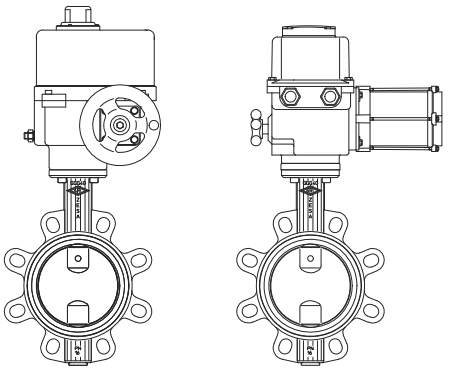
[2] refer to page 117

# ARI-ZESA®-E

**Wafer type butterfly valves;**
**soft sealed - maintenance-free -**
**with electric rotary actuator**
**Disc of stainless steel 1.4581**

PN 6 / 10 / 16 - DN 20-500 of EN-JS1030
DN20 only suitable for flanges PN16

EPDM - seat max:130 °C
NBR - seat max: 80 °C
FPM (Viton) - seat max:150 °C



**ARI-OM** 230V 50Hz 1~ **Deufra** 230V 50Hz 1~

**- Fig. 22.012 -**

## Registration for drinking water

**Standard:** **EPDM seat and 1.4581 disc with DVGW-registration** DW-6201BR0244, acc. to DIN EN 1074-1/-2 incl. desinfection inspection, DVGW VP646 and DVGW W270 for drinking water

| Fig. 22.012 [1] PN 6 / 10 / 16 | | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 20/25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 [2] |
| G23 | actuator ARI-OM | operat.time **s** | 13 | 13 | 13 | 13 | 13 | 13 | 24 | 17 | 26 | 26 | 18 | 18 |
| | | Type | OM-1 | OM-1 | OM-1 | OM-1 | OM-1 | OM-1 | OM-A | OM-2 | OM-3 | OM-3 | OM-4 | OM-4 |
| | | PN 6 / 10 / 16 | **466,-** | **466,-** | **501,-** | **513,-** | **529,-** | **569,-** | **831,-** | **1.003,-** | **1.274,-** | **1.575,-** | **2.257,-** | **2.793,-** |

| Fig. 22.012 [1] PN 6 / 10 / 16 | | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 20/25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| G23 | actuator Deufra | operat.time **s** | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 15 | 10 | 30 |
| | | Type | SQ4 | SQ4 | SQ4 | SQ4 | SQ4 | SQ4 | SQ6 | SQ10 | SQ10 | SQ15 | SQ25 | SQ60 |
| | | PN 6 / 10 / 16 | **809,-** | **809,-** | **844,-** | **856,-** | **873,-** | **913,-** | **1.099,-** | **1.247,-** | **1.394,-** | **2.082,-** | **2.443,-** | **3.134,-** |

| Fig. 22.012 [1] PN 10 / 16 | | | DN | | | |
|---|---|---|---|---|---|---|
| | | | 350 | 400 | 500 | 600 |
| G23 | actuator Deufra | operat.time **s** | 30 | 30 | 30 | 70 |
| | | Type | SQ60 | SQ120 | SQ120 | SQ250 |
| | | PN 10 / 16 | **4.511,-** | **5.668,-** | **7.869,-** | see ZIVA-ZE [3] |

| additional performance | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20/25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| stem and pivot 1.4571 | 30,- | 30,- | 36,- | 36,- | 36,- | 36,- | 57,- | 93,- | 206,- | 300,- | 387,- | 565,- |
| additional price for seat of FPM (not for hot water) | 108,- | 108,- | 138,- | 179,- | 254,- | 315,- | 351,- | 500,- | 573,- | 946,- | 1.710,- | 1.923,- |
| lower price for disc of EN-JS1030 with zinc-lamella coating | -- | -- | -- | -- | -- | -- | 24,- | 34,- | 72,- | 151,- | 211,- | 433,- |
| **additional price for seawater seat of NBR / disc of CuAl10Ni** | -- | -- | 26,- | 26,- | 26,- | 69,- | 91,- | 109,- | 163,- | 218,- | 332,- | 503,- |

| additional performance | DN | | | |
|---|---|---|---|---|
| | 350 | 400 | 500 | 600 |
| additional price for seat of FPM (not for hot water) | 2.068,- | 4.329,- | 5.927,- | see ZIVA-ZE [3] |
| lower price for disc of EN-JS1030 with zinc-lamella coating | 679,- | 910,- | 1.075,- | |
| **additional price for seawater seat of NBR / disc of CuAl10Ni** | 713,- | 925,- | 2.209,- | |

Design acc. to data sheet

[1] Includes 20.012 and 21.012 (only 21.012 from DN 350 onwards)

[2] max. permissible differential pressure 6bar

[3] refer to page 118

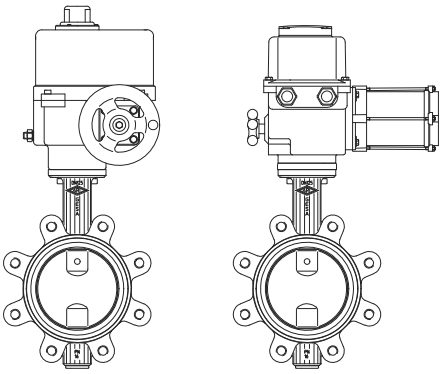
***With pneumatic actuators on request!***

# ARI-GESA®-E

**Lug type butterfly valves;**
**soft sealed - maintenance-free -**
**with electric rotary actuator**
**Disc of stainless steel 1.4581**

PN 10 / 16 - DN 25-500 of EN-JS1030

EPDM - seat max: 130°C
NBR - seat max: 80°C
FPM (Viton) - seat max: 150°C



**ARI-OM**
230V 50Hz 1~

**Deufra**
230V 50Hz 1~

**- Fig. 22.013 -**

## Registration for drinking water

**Standard:** **EPDM seat and 1.4581 disc with DVGW-registration** DW-6201BR0244, acc. to DIN EN 1074-1/-2
incl. desinfection inspection, DVGW VP646 and DVGW W270 for drinking water

| Fig. 21.013 PN 10<br>Fig. 22.013 PN 16 | | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 [1] |
| G23 | actuator ARI-OM | operat.time s | 13 | 13 | 13 | 13 | 13 | 13 | 24 | 17 | 26 | 26 | 18 | 18 |
| | | Type | OM-1 | OM-1 | OM-1 | OM-1 | OM-1 | OM-1 | OM-A | OM-2 | OM-3 | OM-3 | OM-4 | OM-4 |
| | | PN10/16 | **542,-** | **557,-** | **570,-** | **584,-** | **615,-** | **629,-** | **942,-** | **1.160,-** | **1.323,-** | **1.690,-** | **2.442,-** | **3.032,-** |

| Fig. 21.013 PN 10<br>Fig. 22.013 PN 16 | | | DN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| G23 | actuator Deufra | operat.time s | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 15 | 10 | 30 |
| | | Type | SQ4 | SQ4 | SQ4 | SQ4 | SQ4 | SQ4 | SQ6 | SQ10 | SQ10 | SQ15 | SQ25 | SQ60 |
| | | PN10/16 | **885,-** | **900,-** | **914,-** | **927,-** | **959,-** | **972,-** | **1.211,-** | **1.392,-** | **1.444,-** | **2.198,-** | **2.714,-** | **3.569,-** |

| Fig. 21.013 PN 10<br>Fig. 22.013 PN 16 | | | DN | | | |
|---|---|---|---|---|---|---|
| | | | 350 | 400 | 500 | 600 |
| G23 | actuator Deufra | operat.time s | 30 | 30 | 30 | 70 |
| | | Type | SQ60 | SQ120 | SQ120 | SQ250 |
| | | PN10 /16 | **5.154,-** | **7.093,-** | **9.241,-** | see ZIVA-GE [2] |

| additional performance | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| stem and pivot 1.4571 | 30,- | 30,- | 36,- | 36,- | 36,- | 36,- | 57,- | 93,- | 206,- | 300,- | 387,- | 565,- |
| additional price for seat of FPM (not for hot water) | 108,- | 108,- | 138,- | 179,- | 254,- | 315,- | 351,- | 500,- | 573,- | 946,- | 1.710,- | 1.923,- |
| lower price for disc of EN-JS1030 with zinc-lamella coating | -- | -- | -- | -- | -- | -- | 24,- | 34,- | 72,- | 151,- | 211,- | 433,- |
| **additional price for seawater seat of NBR / disc of CuAl10Ni** | -- | -- | 26,- | 26,- | 26,- | 69,- | 91,- | 109,- | 163,- | 218,- | 332,- | 503,- |

| additional performance | DN | | | |
|---|---|---|---|---|
| | 350 | 400 | 500 | 600 |
| additional price for seat of FPM (not for hot water) | 2.068,- | 4.329,- | 5.927,- | see ZIVA-GE [2] |
| lower price for disc of EN-JS1030 with zinc-lamella coating | 679,- | 910,- | 1.075,- | |
| **additional price for seawater seat of NBR / disc of CuAl10Ni** | 713,- | 925,- | 2.209,- | |

Design acc. to data sheet

[1] max. permissible differential pressure 6bar

[2] refer to page 119

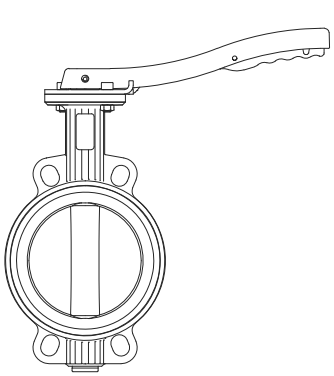
***With pneumatic actuators on request!***

# ARI-ZIVA®-Z

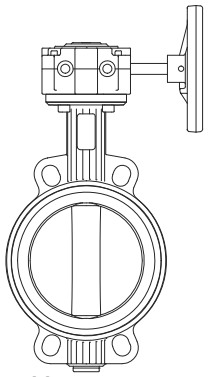
## Wafer type butterfly valves; soft sealed - maintenance-free disc of stainless steel 1.4581

PN 6 / 10 / 16 - DN 25-600 of EN-JS1030
DN20 only suitable for flanges PN16
EPDM - seat max: 130°C
NBR - seat max: 80°C
FPM (Viton) - seat max: 150°C
NBR white - seat max: 80°C

## Registration for drinking water and gas



with lever and travel indicator



with worm gear and travel indicator

**- Fig. 22.014 -**

**Standard:**
**NBR** DN 25 / 32 - DN 600 **with DVGW-registration** NG-4313BQ0462 acc. to DIN EN 13774 for gas
**EPDM** DN 25 / 32 - DN 600 **with DVGW-registration** NW-6201BQ0460 acc. to DIN EN 1074-1/-2 for drinking water (W270)
**NBR** DN 50 - DN 300 PN10 (flanges acc. to PN10 or PN16) with lever or gear
**with ÖVGW-registration** G 2.856, acc. to PG337 / 500 and ÖNORM M7437 / EN437 for gas
**EPDM** DN 50 - DN 150 PN16 (flanges acc. to PN10 or PN16), DN 200 - DN 600 PN10, with gear
**with ÖVGW-registration** W 1.429, acc. to PW501/1 in connection with ÖNORM EN1074-1 and -2 for drinking water

| Fig. 22.014 [1] PN 6 / 10 / 16 | | DN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 20/25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
| I21 | with **lever** disc of stainless steel 1.4581 | 146,- | 146,- | 186,- | 204,- | 224,- | 271,- | 313,- | 391,- | 495,- | 967,- |

| additional performance | | DN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 20/25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
| **stem** mat.-no. 1.4571 | | 30,- | 30,- | 36,- | 36,- | 36,- | 36,- | 57,- | 93,- | 206,- | 300,- |
| **additional price for seat of FPM** (not for hot water) | | 108,- | 108,- | 138,- | 179,- | 254,- | 315,- | 351,- | 500,- | 573,- | 946,- |
| **additional price for seat of white NBR** (acc. to Food- and consumer-article regulation) | | 26,- | 26,- | 26,- | 26,- | 31,- | 33,- | 33,- | 39,- | 45,- | 79,- |
| **lower price** without lever or gear | | 10,- | 10,- | 10,- | 10,- | 10,- | 10,- | 10,- | 20,- | 20,- | 20,- |
| **1 limit switch** (open or close) | | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- |
| **2 limit switches** (open / close) | | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- |
| I21 | **additional price for variable adjustment and locklever** | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- |
| I21 | additional price for **worm gear** | 242-10S | | | | | | | 242-10M | | |
| | | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- |

| Fig. 22.014 [1] PN 10 / 16 | | DN | | | | | |
|---|---|---|---|---|---|---|---|
| | | 250 | 300 | 350 | 400 | 500 [2] | 600 [2] |
| I21 | with **worm gear** disc of stainless steel 1.4581 | 1.554,- | 2.004,- | 3.590,- | 4.463,- | 6.575,- | 9.805,- |

| additional performance | | DN | | | | | |
|---|---|---|---|---|---|---|---|
| | | 250 | 300 | 350 | 400 | 500 | 600 |
| **stem** mat.-no. 1.4571 | | 387,- | 565,- | standard | | | |
| **additional price for seat of FPM** (not for hot water) | | 1.710,- | 1.923,- | 2.068,- | 4.329,- | 5.927,- | 7.945,- |
| **1 limit switch** (open or close) | | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- |
| **2 limit switches** (open / close) | | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- |
| I21 | additional price for **worm gear** | 242-20M | 242-30S | | 242-30L | 242-40M | AB1250N |
| | | 199,- | 291,- | 291,- | 291,- | 291,- | 291,- |

Stem extension on request
**ZIVA is designed for industrial applications**.
Design with electric and pneumatic actuators refer to page 118 and 120

**Body of EN-JS1049 on request.**

[1] Includes 20.014 and 21.014 (only 21.014 from DN 350 onwards)

[2] Connection acc. to PN10 or PN16

Design acc. to data sheet

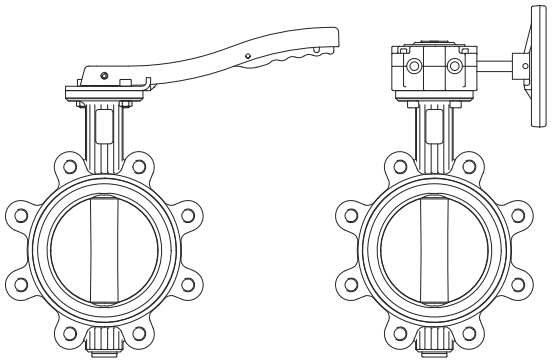
# ARI-ZIVA®-G

**Lug type butterfly valves;**
**soft sealed - maintenance-free**
**disc of stainless steel 1.4581**

PN 10 / 16 - DN 25-600 of EN-JS1030

| | | |
|---|---|---|
| EPDM | - seat max: | 130°C |
| NBR | - seat max: | 80°C |
| FPM (Viton) | - seat max: | 150°C |
| NBR white | - seat max: | 80°C |

**Registration for drinking water and gas**



**with lever and travel indicator** | **with worm gear and travel indicator**

**- Fig. 22.015 -**

**Standard:**
**NBR** DN 25 / 32 - DN 600 **with DVGW-registration** NG-4313BQ0462 acc. to DIN EN 13774 for gas
**EPDM** DN 25 / 32 - DN 600 **with DVGW-registration** NW-6201BQ0460 acc. to DIN EN 1074-1/-2 for drinking water (W270)
**NBR** DN 50 - DN 300 PN10 (flanges acc. to PN10 or PN16) with lever or gear
**with ÖVGW-registration** G 2.856, acc. to PG337 / 500 and ÖNORM M7437 / EN437 for gas
**EPDM** DN 50 - DN 150 PN16 (flanges acc. to PN10 or PN16), DN 200 - DN 600 PN10, with gear
**with ÖVGW-registration** W 1.429, acc. to PW501/1 in connection with ÖNORM EN1074-1 and -2 for drinking water

| Fig. 21.015 PN 10 / Fig. 22.015 PN 16 | | DN 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| I21 | with **lever** disc of stainless steel 1.4581 | 236,- | 236,- | 272,- | 288,- | 327,- | 344,- | 442,- | 570,- | 634,- | 1.149,- |

| additional performance | | DN 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **stem** mat.-no. 1.4571 | | 30,- | 30,- | 36,- | 36,- | 36,- | 36,- | 57,- | 93,- | 206,- | 300,- |
| **additional price for seat of FPM** (not for hot water) | | 108,- | 108,- | 138,- | 179,- | 254,- | 315,- | 351,- | 500,- | 573,- | 946,- |
| **additional price for seat of white NBR** (acc. to Food- and consumer-article regulation) | | 26,- | 26,- | 26,- | 26,- | 31,- | 33,- | 33,- | 39,- | 45,- | 79,- |
| **lower price** without lever or gear | | 10,- | 10,- | 10,- | 10,- | 10,- | 10,- | 10,- | 20,- | 20,- | 20,- |
| **1 limit switch** (open or close) | | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- |
| **2 limit switches** (open / close) | | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- |
| I21 | **additional price for variable adjustment and locklever** | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- | 35,- |
| I21 | additional price for **worm gear** | 242-10S | | | | | | | 242-10M | | |
| | | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- | 199,- |

| Fig. 21.015 PN 10 / Fig. 22.015 PN 16 | | DN 250 | 300 | 350 | 400 | 500 | 600 |
|---|---|---|---|---|---|---|---|
| I21 | with **worm gear** disc of stainless steel 1.4581 | 1.854,- | 2.319,- | 3.983,- | 4.901,- | 7.420,- | 10.461,- |

| additional performance | | DN 250 | 300 | 350 | 400 | 500 | 600 |
|---|---|---|---|---|---|---|---|
| **stem** mat.-no. 1.4571 | | 387,- | 565,- | standard | | | |
| **additional price for seat of FPM** (not for hot water) | | 1.710,- | 1.923,- | 2.068,- | 4.329,- | 5.927,- | 7.945,- |
| **1 limit switch** (open or close) | | 275,- | 275,- | 275,- | 275,- | 275,- | 275,- |
| **2 limit switches** (open / close) | | 469,- | 469,- | 469,- | 469,- | 469,- | 469,- |
| I21 | additional price for **worm gear** | 242-20M | 242-30S | | 242-30L | 242-40M | AB1250N |
| | | 199,- | 291,- | 291,- | 291,- | 291,- | 291,- |

Stem extension on request
**ZIVA is designed for industrial applications**.
Design with electric and pneumatic actuators refer to page 119 and 121

**Body of EN-JS1049 on request.**

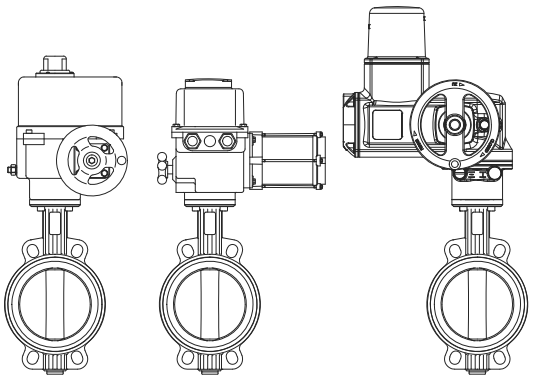
Design acc. to data sheet

# ARI-ZIVA®-ZE

**Wafer type butterfly valves;**
**soft sealed - maintenance-free -**
**with electric rotary actuator**
**disc of stainless steel 1.4581**

PN 6 / 10 / 16 - DN 20-600 of EN-JS1030
DN20 only suitable for flanges PN16

| | |
|---|---|
| EPDM | - seat max: 130°C |
| NBR | - seat max: 80°C |
| FPM (Viton) | - seat max: 150°C |



**ARI-OM** 230V 50Hz 1~ | **Deufra** 230V 50Hz 1~ | **AUMA** 400V 50Hz 3~

**- Fig. 22.014 -**

## Registration for drinking water and gas

**Standard:** **NBR** DN 25 / 32 - DN 600 **with DVGW-registration** NG-4313BQ0462 acc. to DIN EN 13774 for gas
**EPDM** DN 25 / 32 - DN 600 **with DVGW-registration** NW-6201BQ0460 acc. to DIN EN 1074-1/-2 for drinking water (W270)

| Fig. 22.014 [1] PN 6 / 10 / 16 | | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 20/25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 [2] |
| I23 | actuator ARI-OM | operat.time s | 13 | 13 | 13 | 13 | 13 | 13 | 24 | 17 | 26 | 26 | 18 | 18 |
| | | Type | OM-1 | OM-1 | OM-1 | OM-1 | OM-1 | OM-1 | OM-A | OM-2 | OM-3 | OM-3 | OM-4 | OM-4 |
| | | PN 6 / 10 / 16 | **493,-** | **493,-** | **535,-** | **552,-** | **573,-** | **620,-** | **892,-** | **1.079,-** | **1.309,-** | **1.780,-** | **2.508,-** | **2.958,-** |

| Fig. 22.014 [1] PN 6 / 10 / 16 | | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 20/25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| I23 | actuator Deufra | operat.time s | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 15 | 10 | 30 |
| | | Type | SQ4 | SQ4 | SQ4 | SQ4 | SQ4 | SQ4 | SQ6 | SQ10 | SQ10 | SQ15 | SQ25 | SQ60 |
| | | PN 6 / 10 / 16 | **837,-** | **837,-** | **878,-** | **896,-** | **916,-** | **963,-** | **1.160,-** | **1.324,-** | **1.428,-** | **2.286,-** | **2.781,-** | **3.494,-** |

| Fig. 22.014 [1] PN 10 / 16 | | | DN | | | |
|---|---|---|---|---|---|---|
| | | | 350 | 400 | 500 | 600 |
| I23 | actuator Deufra | operat.time s | 30 | 30 | 30 | 70 |
| | | Type | SQ60 | SQ120 | SQ120 | SQ250 |
| | | PN 10 / 16 | **5.021,-** | **6.902,-** | **9.014,-** | on request |

| Fig. 22.014 [1] PN 6 / 10 / 16 | | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 20/25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| I23 | actuator AUMA | operat.time s | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| | | Type | SQ05.2 | SQ05.2 | SQ05.2 | SQ05.2 | SQ05.2 | SQ05.2 | SQ05.2 | SQ05.2 | SQ05.2 | SQ05.2 | SQ07.2 | SQ10.2 |
| | | PN 6 / 10 / 16 | **1.975,-** | **1.975,-** | **2.017,-** | **2.034,-** | **2.055,-** | **2.101,-** | **2.143,-** | **2.212,-** | **2.315,-** | **2.786,-** | **3.408,-** | **4.101,-** |

| Fig. 22.014 [1] PN 10 / 16 | | | DN | | | |
|---|---|---|---|---|---|---|
| | | | 350 | 400 | 500 | 600 |
| I23 | actuator AUMA | operat.time s | 16 | 32 | 32 | on request |
| | | Type | SQ10.2 | SQ12.2 | SQ12.2 | |
| | | PN 10 / 16 | **5.628,-** | **6.584,-** | **8.696,-** | |

| additional performance | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20/25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| stem mat.-no. 1.4571 | 30,- | 30,- | 36,- | 36,- | 36,- | 36,- | 57,- | 93,- | 206,- | 300,- | 387,- | 565,- |
| additional price for seat of FPM (not for hot water) | 108,- | 108,- | 138,- | 179,- | 254,- | 315,- | 351,- | 500,- | 573,- | 946,- | 1.710,- | 1.923,- |

| | DN | | | | |
|---|---|---|---|---|---|
| | 350 | 400 | 500 | 600 | |
| additional price for seat of FPM (not for hot water) | 2.068,- | 4.329,- | 5.927,- | 7.945,- | **Body of EN-JS1049 on request.** |

Design acc. to data sheet

[1] Includes 20.014 and 21.014
(only 21.014 from DN 350 onwards)

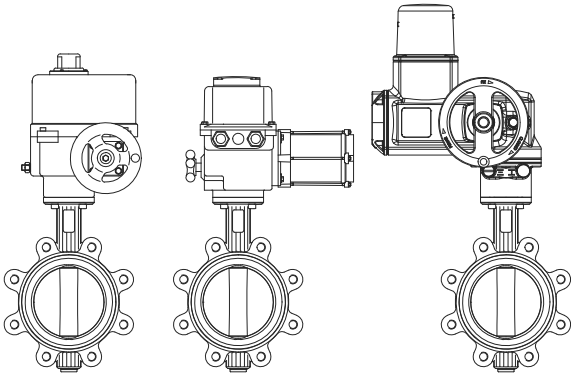
[2] max. permissible differential pressure 6bar

# ARI-ZIVA®-GE

**Lug type butterfly valves;**
**soft sealed - maintenance-free -**
**with electric rotary actuator**
**disc of stainless steel 1.4581**

PN 10 / 16 - DN 25-600 of EN-JS1030

EPDM - seat max:130°C
NBR - seat max: 80°C
FPM (Viton) - seat max:150°C




**- Fig. 22.015 -**

## Registration for drinking water and gas

**Standard:** **NBR** DN 25 / 32 - DN 600 **with DVGW-registration** NG-4313BQ0462 acc. to DIN EN 13774 for gas
**EPDM** DN 25 / 32 - DN 600 **with DVGW-registration** NW-6201BQ0460 acc. to DIN EN 1074-1/-2 for drinking water (W270)

| Fig. 21.015 PN 10 / Fig. 22.015 PN 16 | | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300[1] |
| I23 | actuator ARI-OM | operat.time s | 13 | 13 | 13 | 13 | 13 | 13 | 24 | 17 | 26 | 26 | 18 | 18 |
| | | Type | OM-1 | OM-1 | OM-1 | OM-1 | OM-1 | OM-1 | OM-A | OM-2 | OM-3 | OM-3 | OM-4 | OM-4 |
| | | PN10/16 | **585,-** | **585,-** | **621,-** | **637,-** | **676,-** | **693,-** | **1.022,-** | **1.257,-** | **1.446,-** | **1.963,-** | **2.808,-** | **3.273,-** |

| Fig. 21.015 PN 10 / Fig. 22.015 PN 16 | | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| I23 | actuator Deufra | operat.time s | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 15 | 10 | 30 |
| | | Type | SQ4 | SQ4 | SQ4 | SQ4 | SQ4 | SQ4 | SQ6 | SQ10 | SQ10 | SQ15 | SQ25 | SQ60 |
| | | PN10/16 | **928,-** | **928,-** | **964,-** | **980,-** | **1.019,-** | **1.036,-** | **1.290,-** | **1.503,-** | **1.566,-** | **2.470,-** | **3.081,-** | **3.810,-** |

| Fig. 21.015 PN 10 / Fig. 22.015 PN 16 | | | DN | | | |
|---|---|---|---|---|---|---|
| | | | 350 | 400 | 500 | 600 |
| I23 | actuator Deufra | operat.time s | 30 | 30 | 30 | 70 |
| | | Type | SQ60 | SQ120 | SQ120 | SQ250 |
| | | PN10 /16 | **5.415,-** | **7.341,-** | **9.860,-** | on request |

| Fig. 21.015 PN 10 / Fig. 22.015 PN 16 | | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| I23 | actuator AUMA | operat.time s | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| | | Type | SQ05.2 | SQ05.2 | SQ05.2 | SQ05.2 | SQ05.2 | SQ05.2 | SQ05.2 | SQ05.2 | SQ05.2 | SQ05.2 | SQ07.2 | SQ10.2 |
| | | PN10/16 | **2.067,-** | **2.067,-** | **2.103,-** | **2.119,-** | **2.158,-** | **2.175,-** | **2.273,-** | **2.390,-** | **2.453,-** | **2.970,-** | **3.707,-** | **4.417,-** |

| Fig. 21.015 PN 10 / Fig. 22.015 PN 16 | | | DN | | | |
|---|---|---|---|---|---|---|
| | | | 350 | 400 | 500 | 600 |
| I23 | actuator AUMA | operat.time s | 16 | 32 | 32 | on request |
| | | Type | SQ10.2 | SQ12.2 | SQ12.2 | |
| | | PN10 /16 | **6.022,-** | **7.023,-** | **9.542,-** | |

| additional performance | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| stem mat.-no.1.4571 | 30,- | 30,- | 36,- | 36,- | 36,- | 36,- | 57,- | 93,- | 206,- | 300,- | 387,- | 565,- |
| additional price for seat of FPM (not for hot water) | 108,- | 108,- | 138,- | 179,- | 254,- | 315,- | 351,- | 500,- | 573,- | 946,- | 1.710,- | 1.923,- |

| | DN | | | |
|---|---|---|---|---|
| | 350 | 400 | 500 | 600 |
| additional price for seat of FPM (not for hot water) | 2.068,- | 4.329,- | 5.927,- | 7.945,- |

**Body of EN-JS1049 on request.**

Design acc. to data sheet

[1] max. permissible differential pressure 6bar

# ARI-ZIVA®-ZP

**Wafer type butterfly valves;**
**soft sealed - maintenance-free -**
**with pneumatic rotary actuator**
**disc of stainless steel 1.4581**

PN 6 / 10 / 16 - DN 20-600 of EN-JS1030
DN20 only suitable for flanges PN16

| | | |
|---|---|---|
| EPDM | - seat max: | 130 °C |
| NBR | - seat max: | 80 °C |
| FPM (Viton) | - seat max: | 150 °C |

## Registration for drinking water and gas

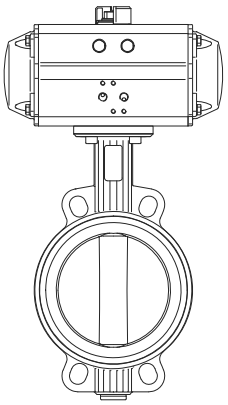


**Fig. 22.014**
**actuator "AIR TORQUE"**
Air supply: 6 bar

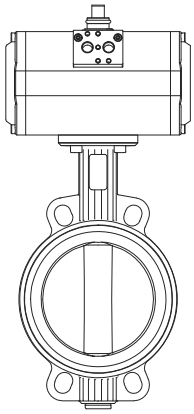


**Fig. 22.014**
**actuator "bar"**
Air supply: 6 bar

**Standard:** **NBR** DN 25 / 32 - DN 600 **with DVGW-registration** NG-4313BQ0462 acc. to DIN EN 13774 for gas
**EPDM** DN 25 / 32 - DN 600 **with DVGW-registration** NW-6201BQ0460 acc. to DIN EN 1074-1/-2 for drinking water (W270)

| **Fig. 22.014** [1] **PN 6 / 10 / 16** | | | | **DN** | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | **20/25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** | **300** |
| I23 | actuator "AIR TORQUE" | single acting | Type open | 30SO5 | 30SO5 | 30SO5 | 30SO5 | 60SO5 | 100SO5 | 100SO5 | 150SO5 | 220SO5 | 220SO5 | 450SO5 | 900SO5 |
| | | | Type close | 30SC6 | 30SC6 | 30SC6 | 30SC6 | 60SC6 | 100SC6 | 150SC6 | 220SC6 | 300SC6 | 450SC6 | 600SC6 | 1200SC6 |
| | | | PN 6 / 10 / 16 | **439,-** | **439,-** | **480,-** | **497,-** | **626,-** | **769,-** | **937,-** | **1.006,-** | **1.211,-** | **1.958,-** | **2.424,-** | **3.752,-** |
| | | double acting | Type | DR30 | DR30 | DR30 | DR30 | DR30 | DR30 | DR60 | DR100 | DR100 | DR150 | DR220 | DR450 |
| | | | PN 6 / 10 / 16 | **287,-** | **287,-** | **328,-** | **346,-** | **366,-** | **413,-** | **506,-** | **632,-** | **736,-** | **1.241,-** | **1.726,-** | **2.454,-** |

| **Fig. 22.014** [1] **PN 10 / 16** | | | | **DN** | | | |
|---|---|---|---|---|---|---|---|
| | | | | **350** | **400** | **500** | **600** |
| I23 | actuator "AIR TORQUE" | single acting | Type open | 900SO5 | 1200SO5 | 2000SO5 | on request |
| | | | Type close | 1200SC6 | 2000SC6 | 3000SC6 | |
| | | | PN 10 / 16 | **5.373,-** | **7.783,-** | **10.531,-** | |
| | | double acting | Type | DR450 | DR600 | DR1200 | |
| | | | PN 10 / 16 | **3.981,-** | **5.068,-** | **7.773,-** | |

| **Fig. 22.014** [1] **PN 6 / 10 / 16** | | | | **DN** | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | **20/25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** | **300** |
| I23 | actuator "bar" | single acting | Type open | GTE68 | GTE68 | GTE68 | GTE68 | GTE78 | GTE88 | GTE110 | GTE110 | GTE115 | GTE127 | GTE143 | GTE210 |
| | | | Type close | GTE68 | GTE68 | GTE68 | GTE68 | GTE78 | GTE88 | GTE98 | GTE110 | GTE115 | GTE127 | GTE143 | GTE210 |
| | | | PN 6 / 10 / 16 | **486,-** | **486,-** | **527,-** | **545,-** | **565,-** | **731,-** | **1.006,-** | **1.078,-** | **1.219,-** | **1.844,-** | **2.475,-** | **3.819,-** |
| | | double acting | Type | GTD58 | GTD58 | GTD58 | GTD58 | GTD58 | GTD68 | GTD68 | GTD98 | GTD98 | GTD110 | GTD115 | GTD143 |
| | | | PN 6 / 10 / 16 | **259,-** | **259,-** | **300,-** | **318,-** | **338,-** | **412,-** | **454,-** | **618,-** | **722,-** | **1.266,-** | **1.719,-** | **2.463,-** |

| **Fig. 22.014** [1] **PN 10 / 16** | | | | **DN** | | | |
|---|---|---|---|---|---|---|---|
| | | | | **350** | **400** | **500** | **600** |
| I23 | actuator "bar" | single acting | Type open | GTE210 | GTE250 | GTE250 | on request |
| | | | Type close | GTE210 | GTE250 | GTE250 | |
| | | | PN 10 / 16 | **5.405,-** | **8.865,-** | **10.977,-** | |
| | | double acting | Type | GTD143 | GTD163 | GTD210 | |
| | | | PN 10 / 16 | **3.990,-** | **5.040,-** | **7.671,-** | |

| **additional performance** | **DN** | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **20/25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** | **300** |
| stem mat.-no. 1.4571 | 30,- | 30,- | 36,- | 36,- | 36,- | 36,- | 57,- | 93,- | 206,- | 300,- | 387,- | 565,- |
| additional price for seat of FPM (not for hot water) | 108,- | 108,- | 138,- | 179,- | 254,- | 315,- | 351,- | 500,- | 573,- | 946,- | 1.710,- | 1.923,- |

| | **DN** | | | | |
|---|---|---|---|---|---|
| | **350** | **400** | **500** | **600** | |
| additional price for seat of FPM (not for hot water) | 2.068,- | 4.329,- | 5.927,- | 7.945,- | **Body of EN-JS1049 on request.** |

Design acc. to data sheet

[1] Includes 20.014 and 21.014
(only 21.014 from DN 350 onwards)

# ARI-ZIVA®-GP

**Lug type butterfly valves;**
**soft sealed - maintenance-free -**
**with pneumatic rotary actuator**
**Disc of stainless steel 1.4581**

PN 10 / 16 - DN 25-600 of EN-JS1030

| | |
|---|---|
| EPDM | - seat max:130°C |
| NBR | - seat max: 80°C |
| FPM (Viton) | - seat max:150°C |

## Registration for drinking water and gas

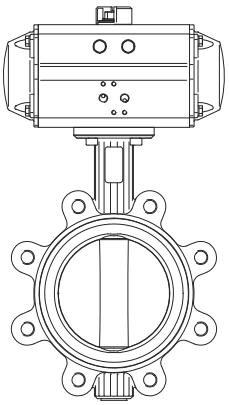


**Fig. 22.015**
**actuator "AIR TORQUE"**
Air supply: 6 bar

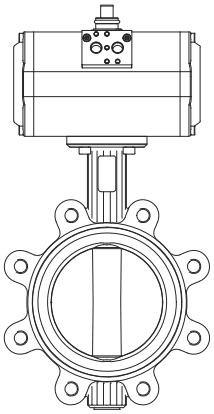


**Fig. 22.015**
**actuator "bar"**
Air supply: 6 bar

**Standard:** **NBR** DN 25 / 32 - DN 600 **with DVGW-registration** NG-4313BQ0462 acc. to DIN EN 13774 for gas
**EPDM** DN 25 / 32 - DN 600 **with DVGW-registration** NW-6201BQ0460 acc. to DIN EN 1074-1/-2 for drinking water (W270)

| **Fig. 21.015 PN 10**<br>**Fig. 22.015 PN 16** | | | | **DN** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** | **300** |
| I23 | **actuator "AIR TORQUE"** | single acting | Type open | 30SO5 | 30SO5 | 30SO5 | 30SO5 | 60SO5 | 100SO5 | 100SO5 | 150SO5 | 220SO5 | 220SO5 | 450SO5 | 900SO5 |
| | | | Type close | 30SC6 | 30SC6 | 30SC6 | 30SC6 | 60SC6 | 100SC6 | 150SC6 | 220SC6 | 300SC6 | 450SC6 | 600SC6 | 1200SC |
| | | | PN 10 / 16 | **530,-** | **530,-** | **565,-** | **582,-** | **729,-** | **842,-** | **1.066,-** | **1.185,-** | **1.349,-** | **2.140,-** | **2.724,-** | **4.067,-** |
| | | double acting | Type | DR30 | DR30 | DR30 | DR30 | DR30 | DR30 | DR60 | DR100 | DR100 | DR150 | DR220 | DR450 |
| | | | PN 10 / 16 | **378,-** | **378,-** | **414,-** | **430,-** | **469,-** | **486,-** | **636,-** | **810,-** | **873,-** | **1.424,-** | **2.026,-** | **2.771,-** |

| **Fig. 21.015 PN 10**<br>**Fig. 22.015 PN 16** | | | | **DN** | | | |
|---|---|---|---|---|---|---|---|
| | | | | **350** | **400** | **500** | **600** |
| I23 | **actuator "AIR TORQUE"** | single acting | Type open | 900SO5 | 1200SO | 2000SO | on request |
| | | | Type close | 1200SC | 2000SC | 3000SC | |
| | | | PN 10 / 16 | **5.766,-** | **8.222,-** | **11.378,-** | |
| | | double acting | Type | DR450 | DR600 | DR1200 | |
| | | | PN 10 / 16 | **4.375,-** | **5.508,-** | **8.620,-** | |

| **Fig. 21.015 PN 10**<br>**Fig. 22.015 PN 16** | | | | **DN** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** | **300** |
| I23 | **actuator "bar"** | single acting | Type open | GTE68 | GTE68 | GTE68 | GTE68 | GTE78 | GTE88 | GTE110 | GTE110 | GTE115 | GTE127 | GTE143 | GTE210 |
| | | | Type close | GTE68 | GTE68 | GTE68 | GTE68 | GTE78 | GTE88 | GTE98 | GTE110 | GTE115 | GTE127 | GTE143 | GTE210 |
| | | | PN 10 / 16 | **577,-** | **577,-** | **613,-** | **629,-** | **668,-** | **804,-** | **1.136,-** | **1.256,-** | **1.356,-** | **2.026,-** | **2.775,-** | **4.135,-** |
| | | double acting | Type | GTD58 | GTD58 | GTD58 | GTD58 | GTD58 | GTD68 | GTD68 | GTD98 | GTD98 | GTD110 | GTD115 | GTD143 |
| | | | PN 10 / 16 | **350,-** | **350,-** | **386,-** | **402,-** | **441,-** | **485,-** | **583,-** | **796,-** | **859,-** | **1.448,-** | **2.019,-** | **2.750,-** |

| **Fig. 21.015 PN 10**<br>**Fig. 22.015 PN 16** | | | | **DN** | | | |
|---|---|---|---|---|---|---|---|
| | | | | **350** | **400** | **500** | **600** |
| I23 | **actuator "bar"** | single acting | Type open | GTE210 | GTE250 | GTE250 | on request |
| | | | Type close | GTE210 | GTE250 | GTE250 | |
| | | | PN 10 / 16 | **5.799,-** | **9.304,-** | **11.823,-** | |
| | | double acting | Type | GTD143 | GTD163 | GTD210 | |
| | | | PN 10 / 16 | **4.383,-** | **5.479,-** | **8.518,-** | |

| **additional performance** | **DN** | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** | **300** |
| stem mat.-no. 1.4571 | 30,- | 30,- | 36,- | 36,- | 36,- | 36,- | 57,- | 93,- | 206,- | 300,- | 387,- | 565,- |
| additional price for seat of FPM (not for hot water) | 108,- | 108,- | 138,- | 179,- | 254,- | 315,- | 351,- | 500,- | 573,- | 946,- | 1.710,- | 1.923,- |

| | **DN** | | | | |
|---|---|---|---|---|---|
| | **350** | **400** | **500** | **600** | |
| additional price for seat of FPM (not for hot water) | 2.068,- | 4.329,- | 5.927,- | 7.945,- | **Body of EN-JS1049 on request.** |

Design acc. to data sheet

# ARI-ZETRIX®

**Triple offset butterfly valve, metallic sealed, with double flange**

PN 10 / 16 / 25 / 40
DN 80-600

Body/Disc of cast steel 1.0619+N
Body/Disc of stainless steel 1.4408

with worm gear,
with electric, pneumatic or hydraulic actuator

NEW!
DN 700 - 1200

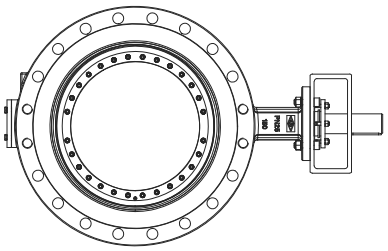


**Fig. 31.-35.016 / 51.-55.016**

| | | | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
| with **worm gear** | **1.0619+N** | **PN 10** | **Fig. 31.016** | on request | | | | | | | | | | | |
| | | **PN 16** | **Fig. 32.016** | | | | | | | | | | | | |
| | | **PN 25** | **Fig. 34.016** | | | | | | | | | | | | |
| | | **PN 40** | **Fig. 35.016** | | | | | | | | | | | | |
| | **1.4408** | **PN 10** | **Fig. 51.016** | | | | | | | | | | | | |
| | | **PN 16** | **Fig. 52.016** | | | | | | | | | | | | |
| | | **PN 25** | **Fig. 54.016** | | | | | | | | | | | | |
| | | **PN 40** | **Fig. 55.016** | | | | | | | | | | | | |
| with **electric actuator** | **1.0619+N** | **PN 10** | **Fig. 31.016** | on request | | | | | | | | | | | |
| | | **PN 16** | **Fig. 32.016** | | | | | | | | | | | | |
| | | **PN 25** | **Fig. 34.016** | | | | | | | | | | | | |
| | | **PN 40** | **Fig. 35.016** | | | | | | | | | | | | |
| | **1.4408** | **PN 10** | **Fig. 51.016** | | | | | | | | | | | | |
| | | **PN 16** | **Fig. 52.016** | | | | | | | | | | | | |
| | | **PN 25** | **Fig. 54.016** | | | | | | | | | | | | |
| | | **PN 40** | **Fig. 55.016** | | | | | | | | | | | | |
| with **pneumatic actuator** | **1.0619+N** | **PN 10** | **Fig. 31.016** | on request | | | | | | | | | | | |
| | | **PN 16** | **Fig. 32.016** | | | | | | | | | | | | |
| | | **PN 25** | **Fig. 34.016** | | | | | | | | | | | | |
| | | **PN 40** | **Fig. 35.016** | | | | | | | | | | | | |
| | **1.4408** | **PN 10** | **Fig. 51.016** | | | | | | | | | | | | |
| | | **PN 16** | **Fig. 52.016** | | | | | | | | | | | | |
| | | **PN 25** | **Fig. 54.016** | | | | | | | | | | | | |
| | | **PN 40** | **Fig. 55.016** | | | | | | | | | | | | |
| with **hydraulic actuator** | **1.0619+N** | **PN 10** | **Fig. 31.016** | on request | | | | | | | | | | | |
| | | **PN 16** | **Fig. 32.016** | | | | | | | | | | | | |
| | | **PN 25** | **Fig. 34.016** | | | | | | | | | | | | |
| | | **PN 40** | **Fig. 35.016** | | | | | | | | | | | | |
| | **1.4408** | **PN 10** | **Fig. 51.016** | | | | | | | | | | | | |
| | | **PN 16** | **Fig. 52.016** | | | | | | | | | | | | |
| | | **PN 25** | **Fig. 54.016** | | | | | | | | | | | | |
| | | **PN 40** | **Fig. 55.016** | | | | | | | | | | | | |

| **additional performance** | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
| **Limit switch** | open or close (1 piece) | on request | | | | | | | | | | | |
| | open and close (2 pieces) | | | | | | | | | | | | |
| Spring loaded stuffing box | | | | | | | | | | | | | |
| Blow-out protection acc. to API 609 | | | | | | | | | | | | | |
| Flush connection | | | | | | | | | | | | | |
| Leak-off connection | | | | | | | | | | | | | |
| Packing acc. to ISO 15848-1 / TA-Luft | | | | | | | | | | | | | |
| Massive sealing ring | | | | | | | | | | | | | |
| Welded bottom flange | | | | | | | | | | | | | |
| **Nominal diameters DN700-1200** | | | | | | | | | | | | | |

**Design acc. to data sheet**

# ARI-ZETRIX®ANSI

**Triple offset butterfly valve, metallic sealed, with double flange**

ANSI 150 / 300
NPS 3" - 24"

Body/Disc of cast steel SA216WCB
Body/Disc of stainless steel SA351CF8M

with worm gear,
with electric, pneumatic or hydraulic actuator

**NEW!**
**DN 700 - 1200 / NPS 28" - 48"**

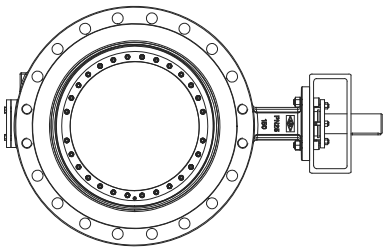


**Fig. 32.-35.016 / 52.-55.016**

| | | | | DN / NPS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
| | | | | 3" | 4" | 5" | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | 24" |
| with **worm gear** | **SA216WCB** | **ANSI150** | **Fig. 32.016** | on request | | | | | | | | | | | |
| | | **ANSI300** | **Fig. 35.016** | | | | | | | | | | | | |
| | **SA351CF8M** | **ANSI150** | **Fig. 52.016** | | | | | | | | | | | | |
| | | **ANSI300** | **Fig. 55.016** | | | | | | | | | | | | |
| with **electric actuator** | **SA216WCB** | **ANSI150** | **Fig. 32.016** | on request | | | | | | | | | | | |
| | | **ANSI300** | **Fig. 35.016** | | | | | | | | | | | | |
| | **SA351CF8M** | **ANSI150** | **Fig. 52.016** | | | | | | | | | | | | |
| | | **ANSI300** | **Fig. 55.016** | | | | | | | | | | | | |
| with **pneumatic actuator** | **SA216WCB** | **ANSI150** | **Fig. 32.016** | on request | | | | | | | | | | | |
| | | **ANSI300** | **Fig. 35.016** | | | | | | | | | | | | |
| | **SA351CF8M** | **ANSI150** | **Fig. 52.016** | | | | | | | | | | | | |
| | | **ANSI300** | **Fig. 55.016** | | | | | | | | | | | | |
| with **hydraulic actuator** | **SA216WCB** | **ANSI150** | **Fig. 32.016** | on request | | | | | | | | | | | |
| | | **ANSI300** | **Fig. 35.016** | | | | | | | | | | | | |
| | **SA351CF8M** | **ANSI150** | **Fig. 52.016** | | | | | | | | | | | | |
| | | **ANSI300** | **Fig. 55.016** | | | | | | | | | | | | |

| **additional performance** | | DN / NPS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
| | | 3" | 4" | 5" | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | 24" |
| **Limit switch** | open or close (1 piece) | on request | | | | | | | | | | | |
| | open and close (2 pieces) | | | | | | | | | | | | |
| Spring loaded stuffing box | | | | | | | | | | | | | |
| Blow-out protection acc. to API 609 | | | | | | | | | | | | | |
| Flush connection | | | | | | | | | | | | | |
| Leak-off connection | | | | | | | | | | | | | |
| Packing acc. to ISO 15848-1 / TA-Luft | | | | | | | | | | | | | |
| Massive sealing ring | | | | | | | | | | | | | |
| Welded bottom flange | | | | | | | | | | | | | |
| **Nominal diameters DN700-1200 / NPS 28"-48"** | | | | | | | | | | | | | |

**Design acc. to data sheet**

# ARI-ZETRIX®

**Triple offset butterfly valve, metallic sealed, fully lugged**

PN 10 / 16 / 25 / 40
DN 80-600

Body/Disc of cast steel 1.0619+N
Body/Disc of stainless steel 1.4408

with worm gear,
with electric, pneumatic or hydraulic actuator

NEW! from ARI

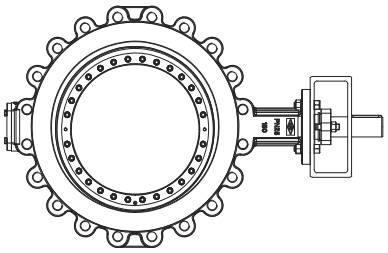


**Fig. 31.-35.018 / 51.-55.018**

| | | | | DN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 80 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
| with **worm gear** | **1.0619+N** | **PN 10** | **Fig. 31.018** | on request | | | | | | | | | | |
| | | **PN 16** | **Fig. 32.018** | | | | | | | | | | | |
| | | **PN 25** | **Fig. 34.018** | | | | | | | | | | | |
| | | **PN 40** | **Fig. 35.018** | | | | | | | | | | | |
| | **1.4408** | **PN 10** | **Fig. 51.018** | | | | | | | | | | | |
| | | **PN 16** | **Fig. 52.018** | | | | | | | | | | | |
| | | **PN 25** | **Fig. 54.018** | | | | | | | | | | | |
| | | **PN 40** | **Fig. 55.018** | | | | | | | | | | | |
| with **electric actuator** | **1.0619+N** | **PN 10** | **Fig. 31.018** | on request | | | | | | | | | | |
| | | **PN 16** | **Fig. 32.018** | | | | | | | | | | | |
| | | **PN 25** | **Fig. 34.018** | | | | | | | | | | | |
| | | **PN 40** | **Fig. 35.018** | | | | | | | | | | | |
| | **1.4408** | **PN 10** | **Fig. 51.018** | | | | | | | | | | | |
| | | **PN 16** | **Fig. 52.018** | | | | | | | | | | | |
| | | **PN 25** | **Fig. 54.018** | | | | | | | | | | | |
| | | **PN 40** | **Fig. 55.018** | | | | | | | | | | | |
| with **pneumatic actuator** | **1.0619+N** | **PN 10** | **Fig. 31.018** | on request | | | | | | | | | | |
| | | **PN 16** | **Fig. 32.018** | | | | | | | | | | | |
| | | **PN 25** | **Fig. 34.018** | | | | | | | | | | | |
| | | **PN 40** | **Fig. 35.018** | | | | | | | | | | | |
| | **1.4408** | **PN 10** | **Fig. 51.018** | | | | | | | | | | | |
| | | **PN 16** | **Fig. 52.018** | | | | | | | | | | | |
| | | **PN 25** | **Fig. 54.018** | | | | | | | | | | | |
| | | **PN 40** | **Fig. 55.018** | | | | | | | | | | | |
| with **hydraulic actuator** | **1.0619+N** | **PN 10** | **Fig. 31.018** | on request | | | | | | | | | | |
| | | **PN 16** | **Fig. 32.018** | | | | | | | | | | | |
| | | **PN 25** | **Fig. 34.018** | | | | | | | | | | | |
| | | **PN 40** | **Fig. 35.018** | | | | | | | | | | | |
| | **1.4408** | **PN 10** | **Fig. 51.018** | | | | | | | | | | | |
| | | **PN 16** | **Fig. 52.018** | | | | | | | | | | | |
| | | **PN 25** | **Fig. 54.018** | | | | | | | | | | | |
| | | **PN 40** | **Fig. 55.018** | | | | | | | | | | | |

| **additional performance** | | DN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 80 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
| **Limit switch** | open or close (1 piece) | on request | | | | | | | | | | |
| | open and close (2 pieces) | | | | | | | | | | | |
| Spring loaded stuffing box | | | | | | | | | | | | |
| Blow-out protection acc. to API 609 | | | | | | | | | | | | |
| Flush connection | | | | | | | | | | | | |
| Leak-off connection | | | | | | | | | | | | |
| Packing acc. to ISO 15848-1 / TA-Luft | | | | | | | | | | | | |
| Massive sealing ring | | | | | | | | | | | | |
| Welded bottom flange | | | | | | | | | | | | |

**Design acc. to data sheet**

# ARI-ZETRIX® ANSI

**Triple offset butterfly valve, metallic sealed, fully lugged**

ANSI 150 / 300
NPS 3" - 24"

Body/Disc of cast steel SA216WCB
Body/Disc of stainless steel SA351CF8M

with worm gear,
with electric, pneumatic or hydraulic actuator

NEW! from ARI

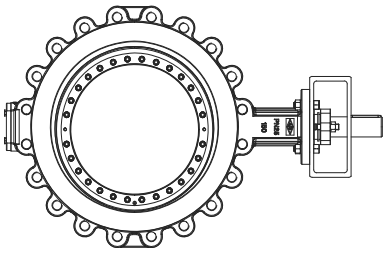


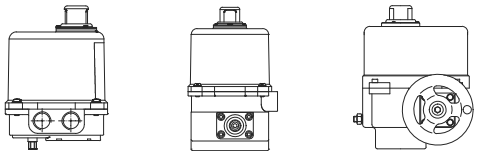
**Fig. 32.-35.018 / 52.-55.018**

| | | | | DN / NPS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 80 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
| | | | | 3" | 4" | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | 24" |
| with **worm gear** | **SA216WCB** | **ANSI150** | **Fig. 32.018** | on request | | | | | | | | | | |
| | | **ANSI300** | **Fig. 35.018** | | | | | | | | | | | |
| | **SA351CF8M** | **ANSI150** | **Fig. 52.018** | | | | | | | | | | | |
| | | **ANSI300** | **Fig. 55.018** | | | | | | | | | | | |
| with **electric actuator** | **SA216WCB** | **ANSI150** | **Fig. 32.018** | on request | | | | | | | | | | |
| | | **ANSI300** | **Fig. 35.018** | | | | | | | | | | | |
| | **SA351CF8M** | **ANSI150** | **Fig. 52.018** | | | | | | | | | | | |
| | | **ANSI300** | **Fig. 55.018** | | | | | | | | | | | |
| with **pneumatic actuator** | **SA216WCB** | **ANSI150** | **Fig. 32.018** | on request | | | | | | | | | | |
| | | **ANSI300** | **Fig. 35.018** | | | | | | | | | | | |
| | **SA351CF8M** | **ANSI150** | **Fig. 52.018** | | | | | | | | | | | |
| | | **ANSI300** | **Fig. 55.018** | | | | | | | | | | | |
| with **hydraulic actuator** | **SA216WCB** | **ANSI150** | **Fig. 32.018** | on request | | | | | | | | | | |
| | | **ANSI300** | **Fig. 35.018** | | | | | | | | | | | |
| | **SA351CF8M** | **ANSI150** | **Fig. 52.018** | | | | | | | | | | | |
| | | **ANSI300** | **Fig. 55.018** | | | | | | | | | | | |

| **additional performance** | | DN / NPS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 80 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
| | | 3" | 4" | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | 24" |
| **Limit switch** | open or close (1 piece) | on request | | | | | | | | | | |
| | open and close (2 pieces) | | | | | | | | | | | |
| Spring loaded stuffing box | | | | | | | | | | | | |
| Blow-out protection acc. to API 609 | | | | | | | | | | | | |
| Flush connection | | | | | | | | | | | | |
| Leak-off connection | | | | | | | | | | | | |
| Packing acc. to ISO 15848-1 / TA-Luft | | | | | | | | | | | | |
| Massive sealing ring | | | | | | | | | | | | |
| Welded bottom flange | | | | | | | | | | | | |

**Design acc. to data sheet**

## Electric rotary actuator ARI-OM



**Type:** **OM-1, OM-A, OM-2, OM-3, OM-4**
Supply voltage: 230 V, 50 Hz 1~
Mode of operation: Discontinuous and continuous service 30%
Switch off: limit switches in both directions
Enclosure: IP 67
Standard: manual operating device up to DN100, worm gear from DN 125 onwards
(OM-1: 4kt wrench size 8; OM-A: internal hexagon, width across flats 5; OM-2/-3/-4: handwheel)

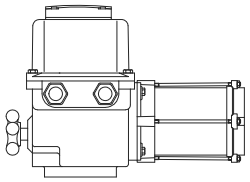
| Actuator ARI-OM | | OM-1 | OM-A | OM-2 | OM-3 | OM-4 |
|---|---|---|---|---|---|---|
| **Standard** | operat.time | 13 s | 24 s | 17 s | 26 s | 18 s |
| | voltage | 230V 50Hz 1~ | 230V 50Hz 1~ | 230V 50Hz 1~ | 230V 50Hz 1~ | 230V 50Hz 1 |
| | PRICE | 359,- | 590,- | 723,- | 834,- | 1.187,- |

| additional performance for other voltages | | | | | |
|---|---|---|---|---|---|
| 24 V 50/60Hz 1~ / 24V DC | 175,- | 175,- | 175,- | 175,- | 175,- |

| additional performance for accessories | | |
|---|---|---|
| 2 add. limit- or intermediate switches (max. 4 pieces add.) | set | 128,- |
| potentiometer 1000 Ohm | piece | 287,- |
| electronic positioner, signals 4 - 20 mA 2 - 10 V incl. electronic position indicator | piece | 1.036,- |
| electronic position indicator 4 - 20 mA | piece | 874,- |
| Heating | piece | 111,- |

Design acc. to data sheet

## Electric rotary actuator Deufra



**Type:** **SQ**
Supply voltage: 230 V, 50 Hz 1~
Mode of operation: S4 30%
Switch off: limit switches in both directions for SQ4 - SQ15
limit- and torque switches in both directions for SQ25 - SQ250
Enclosure: IP 67
Standard: manual operating device

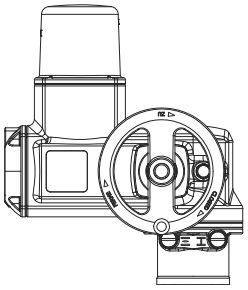
| Actuator Deufra [1] | | SQ4 | SQ6 | SQ10 | SQ15 | SQ25 | SQ60 | SQ120 | SQ250 |
|---|---|---|---|---|---|---|---|---|---|
| **Standard** | operat.time | 6 s | 6 s | 6 s | 15 s | 10 s | 30 s | 30 s | 70s |
| | voltage | 230V 50Hz 1~ | | | | | | | |
| | PRICE | 702,- | 857,- | 954,- | 1.341,- | 1.459,- | 1.723,- | 2.731,- | on request |

| additional performance for other voltages | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 24 V 50 Hz 1~ | -- | 352,- | 443,- (30 s) | 460,- | -- | -- | -- | on request |
| 24 V = | -- | 1.083,- | 1.137,- | 1.265,- | 1.683,- | 2.716,- | 2.985,- | |
| 115 V 50 Hz 1~ | -- | 64,- | 64,- | 64,- | 64,- | 64,- | 126,- | |
| 400 V 50 Hz 3~ | -- | without additional price | | | | | | |

| additional performance for accessories | | |
|---|---|---|
| 2 add. limit- or intermediate switch (max. 2 pieces add.) | set | 128,- |
| potentiometer 100, 200, 500, 1000 ohm (max. 2 pieces add.) | piece | 287,- |
| electric position retransmitter TAM output signal 0 - 20mA 4 - 20 mA | piece | 874,- |

Design acc. to data sheet
[1] control model on request

## Electric rotary actuator AUMA



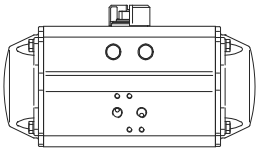
**Type:** **SQ 05.2 - SQ 12.2**
Supply voltage: 400 V, 50 Hz 3~
Mode of operation: temporary service S2 - 10 Min.
Switch off: limit- and torque switches in both directions
Enclosure: IP 68
Standard: manual operating device

| Actuator AUMA [1] | | SQ 05.2 | SQ 07.2 | SQ 10.2 | SQ 12.2 |
|---|---|---|---|---|---|
| **Standard** | operat.time | 16 s | 16 s | 16 s | 22 s |
| | voltage | 400V 50Hz 3~ | | | |
| | PRICE | 1.841,- | 2.086,- | 2.330,- | 2.413,- |

| additional performance for other voltages | | | | |
|---|---|---|---|---|
| 110 V 50 Hz 1~ / 230 V 50 Hz 1~ | 145,- | 175,- | 214,- | 232,- |

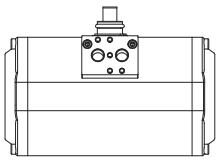
| additional performance for accessories | | |
|---|---|---|
| tandem-limit switch | set | 156,- |
| tandem-torque switch | set | 156,- |
| duo-limit switch with 4 single switches | piece | 392,- |
| potentiometer | piece | 120,- |
| electronic position indicator | piece | 848,- |
| Design acc. to data sheet<br>[1] control model on request | | |

## Pneumatic rotary actuator AIR TORQUE



**Type:** **DR30 - DR1200; 30SO5 - 2000SO5; 30SC6 - 3000SC6**
Function: Double acting
Single acting, Spring closes (opens) the seat
Actuating pressure: 6 bar (0,6 MPa), other actuating pressures on request

## Pneumatic rotary actuator bar



**Type:** **GTD 58/90 - GTD210/90; GTE 68/90 - 250/90**
Function: Double acting
Single acting, Spring closes (opens) the seat
Actuating pressure: 6 bar (0,6 MPa), other actuating pressures on request



| additional performance for accessories | | | | |
|---|---|---|---|---|
| limit switch assembled (not at positioner) | micro-switch in aluminium housing | | 2 pieces | 364,- |
| | inductive switch namur, in plastic housing | | 2 pieces | 533,- |
| 3/2-way-solenoid valve 230V 50Hz / 24V 50Hz / 24V= | | | piece | 212,- |
| 5/2-way-solenoid valve 230V 50Hz / 24V 50Hz / 24V= | 1 full home position (spring loaded) | | piece | 226,- |
| | 2 full home position (pulse operated) | | piece | 562,- |
| exhaust silencer (double acting) | | | piece | 12,- |
| Throttle (single acting) | | | piece | 455,- |
| travel indicator (only at actuator bar) | | | piece | 15,- |
| electro-pneumatic positioner, single acting, incl. fitting and adjustment | | 4 - 20 mA or split range | | 1.592,- |
| electro-pneumatic positioner, double acting, incl. fitting and adjustment | | 4 - 20 mA or split range | | 1.973,- |
| explosion proved design on request | | | | |

Design acc. to data sheet

# Pneumatic actuated stop valve in straight through form

Body: EN-JL1040 / EN-JS1049 / 1.0619+N / 1.4408

Trim: X 20 Cr 13+QT (1.4021+QT) / X 6 CrNiMoTi 17 12 2 (1.4571)

Stem sealing: DN 15-150 spring loaded
PTFE-V-ring unit -10 ...+220 °C
DN200-250 PTFE packing -10 ...+250 °C
further designs up to +450°C acc. to data sheet

Flow characteristic: open / close

Actuators: ARI-DP single acting pneumatic actuators

Action: spring closes / opens the seat on air failure

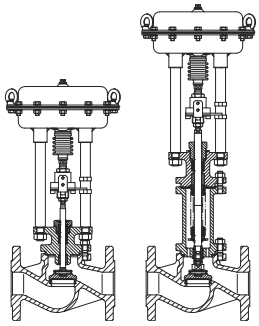


Fig. ...405 Fig. ...460
ARI-DP

| nominal diameter | | | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | | | | 4,2 | 7,4 | 12 | 19 | 31 | 47 | 77 | 120 | 188 | 288 | 410 | 725 | 1145 |
| DP32 | spring closes | air supply press. min (bar) | 1,4 | closing press. (bar) | | | 40 | 40 | 22,4 | 14,3 | 5,4 | | | | | | | | |
| | spring opens | | 1,4 | | | | 40[a] | 40[a] | 22,4[a] | 14,3[a] | 5,4[a] | | | | | | | | |
| | | | 6 | | | | | | 40[a] | 40[a] | 40[a] | 40[a] | 29 | 18,1 | 10,7 | | | | |
| Fig. No. | 12.405 | PN16 | EN-JL1040 | | | | 1.061,- | 1.071,- | 1.104,- | 1.132,- | 1.199,- | 1.258,- | 1.408,- | 1.590,- | 1.809,- | | | | |
| | 23.405 | PN16/25 | EN-JS1049 | | | | 1.133,- | 1.176,- | 1.193,- | 1.274,- | 1.342,- | 1.439,- | 1.602,- | 1.810,- | 2.123,- | | | | |
| | 35.405 | PN25/40 | 1.0619+N | | | | 1.466,- | 1.490,- | 1.506,- | 1.620,- | 1.757,- | 1.887,- | 2.216,- | 2.627,- | 3.074,- | | | | |
| | 55.405 | PN25/40 | 1.4408 | | | | 1.777,- | 1.824,- | 1.860,- | 2.214,- | 2.255,- | 2.493,- | 3.372,- | 4.440,- | 5.887,- | | | | |
| DP33 | spring closes | air supply press. min (bar) | 1,4 | closing press. (bar) | | | 40[c] | 40[c] | 40[c] | 33,9[c] | 16,9[c] | 8,5[c] | 3 | | | | | | |
| | spring opens | | 1,4 | | | | 40[d] | 40[d] | 40[d] | 34,1[d] | 17[d] | 8,6[d] | 3[d] | | | | | | |
| | | | 6 | | | | | | | 40[d] | 40[d] | 40[d] | 40 | 33,1 | 20,4 | 12,2 | 7,9 | | |
| Fig. No. | 12.405 | PN16 | EN-JL1040 | | | | 1.272,- | 1.279,- | 1.311,- | 1.342,- | 1.413,- | 1.468,- | 1.619,- | 1.801,- | 2.020,- | 2.581,- | 3.064,- | | |
| | 23.405 | PN16/25 | EN-JS1049 | | | | 1.343,- | 1.383,- | 1.404,- | 1.482,- | 1.553,- | 1.652,- | 1.811,- | 2.020,- | 2.331,- | 3.018,- | 3.682,- | | |
| | 35.405 | PN25/40 | 1.0619+N | | | | 1.675,- | 1.702,- | 1.714,- | 1.830,- | 1.972,- | 2.098,- | 2.426,- | 2.837,- | 3.283,- | 4.249,- | 5.292,- | | |
| | 55.405 | PN25/40 | 1.4408 | | | | 1.985,- | 2.031,- | 2.070,- | 2.423,- | 2.463,- | 2.703,- | 3.582,- | 4.649,- | 6.096,- | 8.191,- | 10.019,- | | |
| DP34 | spring closes | air supply press. min (bar) | 1,4 | closing press. (bar) | | | | | | 40[f] | 40[f] | 28,2[f] | 14,8[b] | 8,5[b] | 4,3[b] | 1,6 | | | |
| | spring opens | | 1,4 | | | | | | | | | | 10,8[c] | 5,4[b] | 1,7[b] | 1,6[a] | | | |
| | | | 6 | | | | | | | | | | 40[c] | 40[b] | 30,3[b] | 23[a] | 15,5[a] | 10,2 | 6,5 |
| Fig. Nr. | 12.405 | PN16 | EN-JL1040 | | | | | | | 2.148,- | 2.265,- | 2.273,- | 2.423,- | 2.607,- | 2.828,- | 3.390,- | 3.870,- | 5.814,- | 8.103,- |
| | 23.405 | PN16<br>PN25 | EN-JS1049 | | | | | | | 2.290,- | 2.358,- | 2.458,- | 2.617,- | 2.828,- | 3.136,- | 3.826,- | 4.488,- | 7.172,- | 11.458,- |
| | 35.405 | PN25/40 | 1.0619+N | | | | | | | 2.635,- | 2.777,- | 2.902,- | 3.231,- | 3.643,- | 4.088,- | 5.055,- | 6.098,- | 9.059,- | 14.301,- |
| | 55.405 | PN25<br>PN40 | 1.4408 | | | | | | | 3.229,- | 3.270,- | 3.511,- | 4.390,- | 5.457,- | 6.901,- | 8.995,- | 10.824,- | 23.618,- | 37.051,- |
| | | | | | | | | | | | | | | | | | | on request | |
| DP34T | spring closes | air supply press. min (bar) | 1,7 | closing press. (bar) | | | | | | | | | | | 1) | 5,4[b] | 2,7[b] | | |
| | spring opens | | 1,5 | | | | | | | | | | | | | 6,6[c] | 3,5[b] | | |
| | | | 4,5 | | | | | | | | | | | | | 36,4[c] | 28,6[b] | 15[b] | 9,6[b] |
| Fig. Nr. | 12.405 | PN16 | EN-JL1040 | | | | | | | | | | | | | 5.947,- | 6.430,- | 8.374,- | 10.664,- |
| | 23.405 | PN16<br>PN25 | EN-JS1049 | | | | | | | | | | | | | 6.386,- | 7.046,- | 9.731,- | 14.018,- |
| | 35.405 | PN25/40 | 1.0619+N | | | | | | | | | | | | | 7.614,- | 8.662,- | 11.613,- | 16.859,- |
| | 55.405 | PN25<br>PN40 | 1.4408 | | | | | | | | | | | | | 11.557,- | 13.387,- | 26.181,- | 39.614,- |
| | | | | | | | | | | | | | | | | | | on request | |
| DP34Tri | spring closes | air supply press. min (bar) | 1,7 | closing press. (bar) | | | | | | | | | | | 1) | 9,5[d] | 5,1[d] | 1,2[d] | 2) |
| Fig. Nr. | 12.405 | PN16 | EN-JL1040 | | | | | | | | | | | | | 9.769,- | 10.252,- | 12.194,- | 14.484,- |
| | 23.405 | PN16<br>PN25 | EN-JS1049 | | | | | | | | | | | | | 10.205,- | 10.868,- | 13.552,- | 17.838,- |
| | 35.405 | PN25/40 | 1.0619+N | | | | | | | | | | | | | 11.432,- | 12.479,- | 15.435,- | 20.679,- |
| | 55.405 | PN25<br>PN40 | 1.4408 | | | | | | | | | | | | | 15.376,- | 17.205,- | 32.305,- | 43.410,- |
| | | | | | | | | | | | | | | | | | | on request | |
| DP35 | spring closes (1,8 - 3,8) | air supply press. min (bar) | 4,3 | closing press. (bar) | | | | | | | | | | | 1) | | 40 | 23,5 | 13,8 |
| | spring opens | | 1,5 | | | | | | | | | | | | | 12,5[b] | 8[b] | 3,6[b] | 1,7[b] |
| | | | 4,5 | | | | | | | | | | | | | 40[b] | 40[b] | 29,1[b] | 18,4[b] |
| Fig. Nr. | 12.405 | PN16 | EN-JL1040 | | | | | | | | | | | | | on request | | | |
| | 23.405 | PN16<br>PN25 | EN-JS1049 | | | | | | | | | | | | | | | | |
| | 35.405 | PN25/40 | 1.0619+N | | | | | | | | | | | | | | | | |
| | 55.405 | PN25<br>PN40 | 1.4408 | | | | | | | | | | | | | | | | |

## Additional performance for further closing pressures

**Fig. 405/460 - ARI-DP**

Action: spring closes the seat on air failure

| nominal diameter | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | | 4,2 | 7,4 | 12 | 19 | 31 | 47 | 77 | 120 | 188 | 288 | 410 | 725 | 1145 |
| DP32 | Air supply pressure min. (bar) | 2,8 | closing press. | bar | | | 40 | | | | | | | | | | |
| | | | add. performance | | | | 33,- | | | | | | | | | | |
| | | 3,2 | closing press. | bar | | | | 40 | 28,9 | 15,3 | 6,4 | 2,7 | | | | | |
| | | | add. performance | | | | | 45,- | 45,- | 45,- | 45,- | 45,- | | | | | |
| | | 4,1 | closing press. | bar | | | | | 40 | 22,3 | 10,1 | 4,9 | | | | | |
| | | | add. performance | | | | | | 155,- | 155,- | 155,- | 155,- | | | | | |
| DP33 | | 2,7 | closing press. | bar | | | | 40[a] | 40[a] | 23,2[a] | 10,8 | 5,4 | 1,8 | | | | |
| | | | add. performance | | | | | 57,- | 57,- | 57,- | 57,- | 57,- | 57,- | | | | |
| | | 3,3 | closing press. | bar | | | | | | | 13 | 8 | 4,7 | | | | |
| | | | add. performance | | | | | | | | 61,- | 61,- | 61,- | | | | |
| | | 4,5 | closing press. | bar | | | | | | 33,5 | 19,4 | 12,2 | 7,4 | | | | |
| | | | add. performance | | | | | | | 124,- | 124,- | 124,- | 124,- | | | | |
| DP34 | | 2,7 | closing press. | bar | | | | | | 40[d] | 34,5 | 20,9 | 11,6 | 5,7 | 2,9 | | |
| | | | add. performance | | | | | | | 155,- | 155,- | 155,- | 155,- | 155,- | 155,- | | |
| | | 3,3 | closing press. | bar | | | | | | | 39,7 | 25,7 | 16,2 | 9,6 | 5,7 | 1,9 | |
| | | | add. performance | | | | | | | | 171,- | 171,- | 171,- | 171,- | 171,- | 171,- | |
| | | 4,5 | closing press. | bar | | | | | | | 40 | 37,3 | 21,3 | 11,2 | 8 | 3,1 | 1,8 |
| | | | add. performance | | | | | | | | 474,- | 474,- | 474,- | 474,- | 474,- | 474,- | 820,- |
| DP34T | | 2,9 | closing press.[1] | bar | | | | | | | | | | 13,6 | 7,6 | 2,1 | |
| | | | add. performance | | | | | | | | | | | 203,- | 203,- | 203,- | |
| | | 3,5 | closing press.[1] | bar | | | | | | | | | | 21,5 | 13,3 | 5,5 | |
| | | | add. performance | | | | | | | | | | | 323,- | 323,- | 323,- | |
| | | 4,5 | closing press.[1] | bar | | | | | | | | | | 25,7 | 17,8 | 7,9 | 4,9 |
| | | | add. performance | | | | | | | | | | | 951,- | 951,- | 951,- | 1.638,- |
| DP34Tri | | 2,9 | closing press.[1] | bar | | | | | | | | | | 21,7[b] | 12,5[b] | 4[b] | 2,4[b] |
| | | | add. performance | | | | | | | | | | | 264,- | 264,- | 264,- | 417,- |
| | | 3,5 | closing press.[1] | bar | | | | | | | | | | 33,6[a] | 21[a] | 9[a] | 5,7[a] |
| | | | add. performance | | | | | | | | | | | 371,- | 371,- | 371,- | 627,- |
| | | 4,5 | closing press.[1] | bar | | | | | | | | | | 40[a] | 27,8[a] | 12,6[a] | 8[a] |
| | | | add. performance | | | | | | | | | | | 1.235,- | 1.235,- | 1.235,- | 1.246,- |

| special design | | additional performance | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| nominal diameter | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
| Stem-/bellows unit Fig.23./35.460 | | 423,- | 423,- | 474,- | 474,- | 491,- | 491,- | 510,- | 557,- | 591,- | 648,- | 704,- | 1.339,- | 1.339,- |
| Stem-/bellows unit Fig. 55.460 | | 1.428,- | 1.428,- | 1.453,- | 1.453,- | 1.488,- | 1.488,- | 1.556,- | 1.576,- | 1.681,- | 1.776,- | 2.388,- | on request | |
| Trim X 6 CrNiMoTi 17 12 2 (1.4571) | | 92,- | 92,- | 102,- | 108,- | 120,- | 150,- | 175,- | 208,- | 254,- | 325,- | 527,- | 1.076,- | 1.836,- |
| Plug with PTFE-soft seal max. 200°C | | 53,- | 53,- | 66,- | 77,- | 77,- | 79,- | 89,- | 101,- | 110,- | 129,- | 154,- | 328,- | 483,- |
| Butt weld ends (only available for Fig. 35.405/460) | | 129,- | 129,- | 129,- | 155,- | 155,- | 175,- | 221,- | 275,- | 392,- | 552,- | 786,- | 1.115,- | 1.499,- |

Air supply pressure: max. 6 bar (ARI-DP34Tri: 5 bar) a) 5 bar b) 4,5 bar c) 4 bar d) 3,5 bar e) 3 bar f) 2,5 bar

Additional performance for special design and accessories of actuators - refer to pages 52 to 55

Larger nominal diameters on page 130.

Special flange drillings by agreement (refer to page 204)

[1] DN125-150 with PTFE-packing

[2] Base price (refer to "Additional performance for further closing pressures")

Further closing pressures refer to data sheet

## Pneumatic actuated stop valve in straight through form

Body: EN-JS1049 / 1.0619+N
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: PTFE-packing -10 ...+250 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: open / close

Actuators: ARI-DP single acting pneumatic actuators
Action: spring closes / opens the seat on air failure

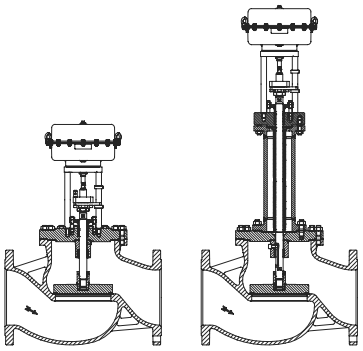


Fig. ...405 Fig. ...460

ARI-DP

| nominal diameter | | | | | | DN | 300 | 350 | 400 | 500 |
|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | standard | | | 1635 | 2220 | 3180 | 4530 |
| DP34 | spring opens | | air supply press. min (bar) | 4 | closing press. (bar) | | 1,3 | | | |
| | | | | 6 | | | 3,4 | | | |
| Fig. No. 22.405 | | PN16 | EN-JS1049 | | | | on request | | | |
| Fig. No. 35.405 | | PN25/40 | 1.0619+N | | | | on request | | | |
| DP34T | spring opens | | air supply press. min (bar) | 3 | closing press. (bar) | | 2,2 | | | |
| | | | | 6 [1] | | | 8,5 | | | |
| Fig. No. 22.405 | | PN16 | EN-JS1049 | | | | on request | | | |
| Fig. No. 35.405 | | PN25/40 | 1.0619+N | | | | on request | | | |
| DP35 | spring closes (1,8 - 3,8) | | air supply press. min (bar) | 4,3 | closing press. (bar) | | 7,8 | 4,9 | 3,7 | 1,9 |
| Fig. No. 22.405 | | PN16 | EN-JS1049 | | | | on request | | | |
| Fig. No. 35.405 | | PN25/40 | 1.0619+N | | | | on request | | | |
| special design | | | | | | | additional performance | | | |
| nominal diameter | | | | | | DN | 300 | 350 | 400 | 500 |
| Stem-/bellows unit Fig. 22./35.460 | | | | | | | on request | | | |
| Trim X6CrNiMoTi17-12-2 (1.4571) | | | | | | | | | | |
| Plug with PTFE-soft seal max.200 °C | | | | | | | | | | |
| Butt weld ends only for Fig. 35.405/460 | | | | | | | | | | |

Air supply pressure max. 6 bar

Add. performance for special designs and accessories of actuators - refer to pages 52 to 55

[1] strengthened actuator version

## Electric actuated stop valve in straight through form

Body: EN-JL1040 / EN-JS1049 / 1.0619+N /1.4408
Trim: X 20 Cr 13+QT (1.4021+QT) / X 6 CrNiMoTi 17 12 2 (1.4571)
Stem sealing: DN15-150: spring loaded PTFE-V-ring unit -10 ...+220 °C
DN200-250: PTFE-packing -10 ...+250 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: open / close
Actuators: ARI-PREMIO®

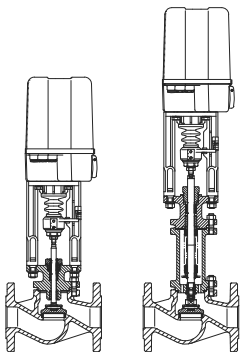


Fig. ...405 Fig. ...460
ARI-PREMIO®

| nominal diameter | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | | 4,2 | 7,4 | 12 | 19 | 31 | 47 | 77 | 120 | 188 | 288 | 410 | 725 | 1145 |
| PREMIO® 2,2 kN (230V) | | closing pressure | | bar | 36,2 | 36,2 | 21,6 | 14,8 | 7,1 | 3,5 | 1,1 | | | | | | |
| | | operating time | | s | 11 | 13 | 18 | 21 | 26 | 34 | 45 | | | | | | |
| Fig. No. | 12.405 | PN16 | EN-JL1040 | | 1.410,- | 1.418,- | 1.450,- | 1.479,- | 1.549,- | 1.603,- | 1.752,- | | | | | | |
| | 23.405 | PN16/25 | EN-JS1049 | | 1.480,- | 1.522,- | 1.540,- | 1.623,- | 1.691,- | 1.786,- | 1.950,- | | | | | | |
| | 35.405 | PN25/40 | 1.0619+N | | 1.811,- | 1.837,- | 1.853,- | 1.969,- | 2.105,- | 2.234,- | 2.565,- | | | | | | |
| | 55.405 | PN25/40 | 1.4408 | | 2.124,- | 2.167,- | 2.205,- | 2.563,- | 2.600,- | 2.841,- | 3.719,- | | | | | | |
| PREMIO® 5 kN (90-264V) | | closing pressure | | bar | 40 | 40 | 40 | 40 | 26,2 | 15,9 | 8,6 | 5,1 | 2,8 | 1,3 | | | |
| | | operating time | | s | 11 | 13 | 18 | 21 | 26 | 34 | 45 | 53 | 66 | 84 | | | |
| Fig. No. | 12.405 | PN16 | EN-JL1040 | | 1.671,- | 1.676,- | 1.710,- | 1.740,- | 1.809,- | 1.864,- | 2.015,- | 2.197,- | 2.418,- | 2.980,- | | | |
| | 23.405 | PN16/25 | EN-JS1049 | | 1.741,- | 1.781,- | 1.801,- | 1.883,- | 1.950,- | 2.049,- | 2.210,- | 2.418,- | 2.729,- | 3.419,- | | | |
| | 35.405 | PN25/40 | 1.0619+N | | 2.074,- | 2.099,- | 2.113,- | 2.225,- | 2.367,- | 2.495,- | 2.823,- | 3.233,- | 3.683,- | 4.644,- | | | |
| | 55.405 | PN25/40 | 1.4408 | | 2.385,- | 2.428,- | 2.553,- | 2.820,- | 2.861,- | 3.104,- | 3.982,- | 5.048,- | 6.492,- | 8.589,- | | | |
| PREMIO® 12 kN (90-264V) | | closing pressure | | bar | | | | | 40 | 40 | 27,5 | 17,7 | 11 | 6,6 | 4,3 | 2 | 1,1 |
| | | operating time | | s | | | | | 26 | 34 | 45 | 53 | 66 | 84 | 100 | 132 | 171 |
| Fig. No. | 12.405 | PN16 | EN-JL1040 | | | | | | 2.274,- | 2.331,- | 2.481,- | 2.664,- | 2.886,- | 3.447,- | 3.929,- | 5.871,- | 8.162,- |
| | 23.405 | PN16<br>PN25 | EN-JS1049 | | | | | | 2.418,- | 2.515,- | 2.679,- | 2.887,- | 3.195,- | 3.881,- | 4.544,- | 7.230,- | 11.518,- |
| | 35.405 | PN25/40 | 1.0619+N | | | | | | 2.835,- | 2.963,- | 3.287,- | 3.699,- | 4.147,- | 5.110,- | 6.154,- | 9.117,- | 14.357,- |
| | 55.405 | PN25<br>PN40 | 1.4408 | | | | | | 3.329,- | 3.569,- | 4.448,- | 5.515,- | 6.958,- | 9.053,- | 10.884,- | 23.677,- | 37.109,- |
| | | | | | | | | | | | | | | | | on request | |
| PREMIO® 15 kN (90-264V) | | closing pressure | | bar | | | | | | | 35,6 | 23,1 | 14,5 | 8,9 | 5,9 | 2,9 | 1,7 |
| | | operating time | | s | | | | | | | 45 | 53 | 66 | 84 | 100 | 132 | 171 |
| Fig. No. | 12.405 | PN16 | EN-JL1040 | | | | | | | | 2.670,- | 2.854,- | 3.074,- | 3.635,- | 4.117,- | 6.061,- | 8.352,- |
| | 23.405 | PN16<br>PN25 | EN-JS1049 | | | | | | | | 2.865,- | 3.076,- | 3.386,- | 4.073,- | 4.732,- | 7.417,- | 11.705,- |
| | 35.405 | PN25/40 | 1.0619+N | | | | | | | | 3.482,- | 3.893,- | 4.340,- | 5.303,- | 6.346,- | 9.302,- | 14.546,- |
| | 55.405 | PN25<br>PN40 | 1.4408 | | | | | | | | 4.638,- | 5.703,- | 7.151,- | 9.243,- | 11.074,- | 23.869,- | 37.300,- |
| | | | | | | | | | | | | | | | | on request | |
| PREMIO® 25 kN (90-264V) | | closing pressure | | bar | | | | | | | | | | 16,1 | 11,0 | 5,9 | 3,6 |
| | | operating time | | s | | | | | | | | | | 84 | 100 | 132 | 171 |
| Fig. No. | 12.405 | PN16 | EN-JL1040 | | | | | | | | | | | 4.397,- | 4.879,- | 6.823,- | 9.114,- |
| | 23.405 | PN16<br>PN25 | EN-JS1049 | | | | | | | | | | | 4.835,- | 5.494,- | 8.180,- | 12.467,- |
| | 35.405 | PN25/40 | 1.0619+N | | | | | | | | | | | 6.065,- | 7.109,- | 10.065,- | 15.308,- |
| | 55.405 | PN25<br>PN40 | 1.4408 | | | | | | | | | | | 10.006,- | 11.837,- | 24.631,- | 38.063,- |
| | | | | | | | | | | | | | | | | on request | |
| special design | | | | | additional performance | | | | | | | | | | | | |
| nominal diameter | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
| Stem-/bellows unit Fig.23./35.460 | | | | | 423,- | 423,- | 474,- | 474,- | 491,- | 491,- | 510,- | 557,- | 591,- | 648,- | 704,- | 1.339,- | 1.339,- |
| Stem-/bellows unit Fig. 55.460 | | | | | 1.428,- | 1.428,- | 1.453,- | 1.453,- | 1.488,- | 1.488,- | 1.556,- | 1.576,- | 1.681,- | 1.776,- | 2.388,- | on request | |
| Trim X 6 CrNiMoTi 17 12 2 (1.4571) | | | | | 92,- | 92,- | 102,- | 108,- | 120,- | 150,- | 175,- | 208,- | 254,- | 325,- | 527,- | 1.076,- | 1.836,- |
| Plug with PTFE-soft seal max. 200 °C | | | | | 53,- | 53,- | 66,- | 77,- | 77,- | 79,- | 89,- | 101,- | 110,- | 129,- | 154,- | 328,- | 483,- |
| Butt weld ends only for Fig. 35.405/460 | | | | | 129,- | 129,- | 129,- | 155,- | 155,- | 175,- | 221,- | 275,- | 392,- | 552,- | 786,- | 1.115,- | 1.499,- |

Supply voltage, add. performance for special designs and accessories of actuators - see page 57

Special flange drillings by agreement (refer to page 204)

Further closing pressures refer to data sheet

## Electric actuated stop valve in straight through form

Body: EN-JL1040 / EN-JS1049 / 1.0619+N / 1.4408
Trim: X 20 Cr 13+QT (1.4021+QT) / X 6 CrNiMoTi 17 12 2 (1.4571)
Stem sealing: DN 15-150 spring loaded PTFE-V-ring unit -10 ...+220 °C
DN200-250 PTFE-packing -10 ...+250 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: open / close
Actuators: AUMA
Supply voltage: 400V 50Hz 3~ Protection class: IP 68

**Alternative: SCHIEBEL-actuators refer to page 61**

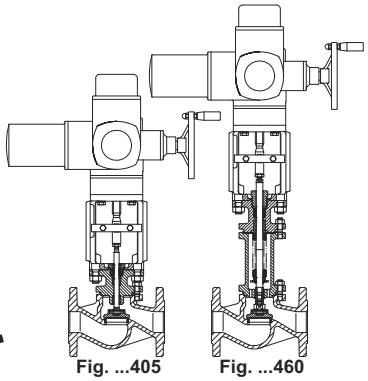


Fig. ...405 Fig. ...460
AUMA

| nominal diameter | | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | | 4,2 | 7,4 | 12 | 19 | 31 | 47 | 77 | 120 | 188 | 288 | 410 | 725 | 1145 |
| AUMA SA 07.2 | | closing pressure | | bar | 40 | 40 | 40 | 40 | 40 | 40 | 39,7 | 25,8 | 16,3 | 10 | 6,7 | | |
| | | operating time | | s | 11 | 13 | 19 | 21 | 27 | 35 | 16 | 19 | 23 | 30 | 36 | | |
| Fig. No. | 12.405 | PN16 | EN-JL1040 | | 3.135,- | 3.142,- | 3.175,- | 3.206,- | 3.273,- | 3.330,- | 3.480,- | 3.661,- | 3.882,- | 4.447,- | 4.928,- | | |
| | 23.405 | PN16/25 | EN-JS1049 | | 3.209,- | 3.248,- | 3.266,- | 3.348,- | 3.415,- | 3.615,- | 3.675,- | 3.883,- | 4.193,- | 4.884,- | 5.543,- | | |
| | 35.405 | PN25/40 | 1.0619+N | | 3.537,- | 3.563,- | 3.579,- | 3.693,- | 3.829,- | 3.962,- | 4.289,- | 4.697,- | 5.145,- | 6.109,- | 7.154,- | | |
| | 55.405 | PN25/40 | 1.4408 | | 3.823,- | 3.867,- | 3.905,- | 4.260,- | 4.301,- | 4.542,- | 5.421,- | 6.487,- | 7.932,- | 10.951,- | 12.780,- | | |
| AUMA SA 07.6 | | closing pressure | | bar | | | | | | | 40 | 37,3 | 23,8 | 14,9 | 10,1 | 5,3 | 3,3 |
| | | operating time | | s | | | | | | | 13 | 15 | 19 | 24 | 29 | 38 | 49 |
| Fig. No. | 12.405 | PN16 | EN-JL1040 | | | | | | | | 3.569,- | 3.751,- | 3.971,- | 4.531,- | 5.017,- | 6.961,- | 9.249,- |
| | 23.405 | PN16<br>PN25 | EN-JS1049 | | | | | | | | 3.765,- | 3.972,- | 4.283,- | 4.971,- | 5.632,- | 8.319,- | 12.606,- |
| | 35.405 | PN25/40 | 1.0619+N | | | | | | | | 4.380,- | 4.786,- | 5.236,- | 6.199,- | 7.246,- | 10.203,- | 15.443,- |
| | 55.405 | PN25<br>PN40 | 1.4408 | | | | | | | | 5.510,- | 6.578,- | 8.021,- | 11.051,- | 12.880,- | 24.768,- | 38.198,- |
| | | | | | | | | | | | | | | | | on request | |
| AUMA SA 10.2 | | closing pressure | | bar | | | | | | | | 40 | 28,3 | 26,5 | 18,3 | 12,3 | 7,9 |
| | | operating time | | s | | | | | | | | 15 | 19 | 24 | 29 | 38 | 49 |
| Fig. No. | 12.405 | PN16 | EN-JL1040 | | | | | | | | | 4.474,- | 4.697,- | 5.257,- | 5.741,- | 7.462,- | 9.976,- |
| | 23.405 | PN16<br>PN25 | EN-JS1049 | | | | | | | | | 4.697,- | 5.005,- | 5.696,- | 6.354,- | 9.043,- | 13.330,- |
| | 35.405 | PN25/40 | 1.0619+N | | | | | | | | | 5.515,- | 5.960,- | 6.923,- | 7.970,- | 10.613,- | 16.166,- |
| | 55.405 | PN25<br>PN40 | 1.4408 | | | | | | | | | 7.288,- | 8.730,- | 12.205,- | 14.033,- | 25.491,- | 38.919,- |
| | | | | | | | | | | | | | | | | on request | |
| AUMA SA 14.2 | | closing pressure [1] | | bar | | | | | | | | | | 40 | 39,3 | 22 | 14,2 |
| | | operating time | | s | | | | | | | | | | 20 | 24 | 31 | 41 |
| Fig. No. | 12.405 | PN16 | EN-JL1040 | | | | | | | | | | | 6.997,- | 7.478,- | 9.425,- | 11.715,- |
| | 23.405 | PN16<br>PN25 | EN-JS1049 | | | | | | | | | | | 7.435,- | 8.098,- | 10.781,- | 15.070,- |
| | 35.405 | PN25/40 | 1.0619+N | | | | | | | | | | | 8.666,- | 9.711,- | 12.665,- | 17.908,- |
| | 55.405 | PN25<br>PN40 | 1.4408 | | | | | | | | | | | 14.350,- | 16.179,- | 29.394,- | 40.660,- |
| | | | | | | | | | | | | | | | | on request | |
| AUMA SA 14.6 with LE100.1 | | closing pressure [1] | | bar | | | | | | | | | | | 40 | 29,4 | 19,1 |
| | | operating time | | s | | | | | | | | | | | 30 | 39 | 51 |
| Fig. No. | 12.405 | PN16 | EN-JL1040 | | | | | | | | | | | | | | 14.152,- |
| | 23.405 | PN16<br>PN25 | EN-JS1049 | | | | | | | | | | | | | | 17.506,- |
| | 35.405 | PN25/40 | 1.0619+N | | | | | | | | | | | | | 15.103,- | 20.345,- |
| | 55.405 | PN25<br>PN40 | 1.4408 | | | | | | | | | | | | | 29.669,- | 43.097,- |
| | | | | | | | | | | | | | | | | on request | |

| special design | additional performance | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| nominal diameter DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
| Stem-/bellows unit Fig.23./35.460 | 423,- | 423,- | 474,- | 474,- | 491,- | 491,- | 510,- | 557,- | 591,- | 648,- | 704,- | 1.339,- | 1.339,- |
| Stem-/bellows unit Fig. 55.460 | 1.428,- | 1.428,- | 1.453,- | 1.453,- | 1.488,- | 1.488,- | 1.556,- | 1.576,- | 1.681,- | 1.776,- | 2.388,- | on request | |
| Trim X 6 CrNiMoTi 17 12 2 (1.4571) | 92,- | 92,- | 102,- | 108,- | 120,- | 150,- | 175,- | 208,- | 254,- | 325,- | 527,- | 1.076,- | 1.836,- |
| Plug with PTFE-soft seal max.200 °C | 53,- | 53,- | 66,- | 77,- | 77,- | 79,- | 89,- | 101,- | 110,- | 129,- | 154,- | 328,- | 483,- |
| Butt weld ends only for Fig. 35.405/460 | 129,- | 129,- | 129,- | 155,- | 155,- | 175,- | 221,- | 275,- | 392,- | 552,- | 786,- | 1.115,- | 1.499,- |

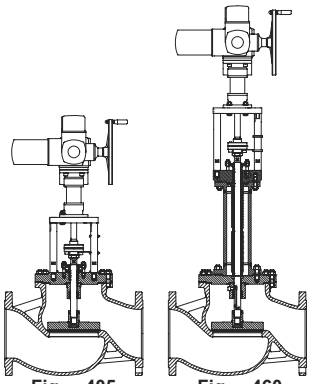
Add. performance for special design and accessories of actuators - see page 60
**Larger nominal diameters on page 133**
Special flange drillings by agreement (refer to page 204)
Further closing pressures refer to data sheet
[1] DN125-150 with PTFE-packing.

## Electric actuated stop valve in straight through form

Body: EN-JS1049 / 1.0619+N
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: PTFE-packing -10 ...+250 °C
further designs up to +450°C acc. to data sheet
Flow characteristic: open / close

Actuators: AUMA
Supply voltage: 400 V, 50 Hz 3~ Protection class: IP 68

**Alternative: SCHIEBEL-actuators**
**refer to page 61**




| **nominal diameter** | | | | **DN** | **300** | **350** | **400** | **500** |
|---|---|---|---|---|---|---|---|---|
| **Kvs - values** | | | **standard** | | **1635** | **2220** | **3180** | **4530** |
| **AUMA SA 07.6 with LE25.1** | | closing pressure | | bar | 1,4 | | | |
| | | operating time | | s | 41 | | | |
| Fig. No. | 22.405 | PN16 | EN-JS1049 | | on request | | | |
| | 35.405 | PN25/40 | 1.0619+N | | | | | |
| **AUMA SA 10.2 with LE50.1** | | closing pressure | | bar | 3,3 | 2,3 | 2 | 1,2 |
| | | operating time | | s | 47 | 41 | 45 | 36 |
| Fig. No. | 22.405 | PN16 | EN-JS1049 | | on request | | | |
| | 35.405 | PN25/40 | 1.0619+N | | | | | |
| **AUMA SA 14.2 with LE70.1** | | closing pressure | | bar | 6,8 | 4,9 | 4 | 2,5 |
| | | operating time | | s | 40 | 48 | 39 | 45 |
| Fig. No. | 22.405 | PN16 | EN-JS1049 | | on request | | | |
| | 35.405 | PN25/40 | 1.0619+N | | | | | |
| **AUMA SA 14.6 with LE100.1** | | closing pressure | | bar | 15,4 | 11,2 | 8,9 | 5,6 |
| | | operating time | | s | 40 | 48 | 39 | 45 |
| Fig. No. | 22.405 | PN16 | EN-JS1049 | | on request | | | |
| | 35.405 | PN25/40 | 1.0619+N | | | | | |
| **AUMA SA 16.2 with LE200.1** | | closing pressure | | bar | 27,3 | 20 | 15,7 | 10 |
| | | operating time | | s | 51 | 42 | 47 | 39 |
| Fig. No. | 22.405 | PN16 | EN-JS1049 | | on request | | | |
| | 35.405 | PN25/40 | 1.0619+N | | | | | |
| **special design** | | | | | **additional performance** | | | |
| **nominal diameter** | | | | **DN** | **300** | **350** | **400** | **500** |
| Stem-/bellows unit Fig.22./35.460 | | | | | on request | | | |
| Trim X6CrNiMoTi17-12-2 (1.4571) | | | | | | | | |
| Plug with PTFE-soft seal max.200 °C | | | | | | | | |
| Butt weld ends only for Fig. 35.405/460 | | | | | | | | |

Add. performance for special designs and accessories of actuators - see page 60

# Pneumatic actuated blow down valve in straight through form
# ARI-STEVI®BBD 415

Body: 1.0619+N
Trim: X 20 Cr 13+QT (1.4021+QT)
Stem sealing: spring loaded PTFE-V-ring unit -10 ...+240 °C
Flow characteristic: open / close
Actuators: single acting pneumatic actuators
Action: spring closes the seat on air failure

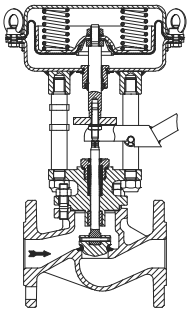


Fig. ...415

| nominal diameter | | | | | DN | 25 | 32 | 40 | 50 |
|---|---|---|---|---|---|---|---|---|---|
| Kvs - values | | | | | | 6,4 | 6,4 | 14,7 | 14,7 |
| pneumatic actuator | spring closes | | Air supply press. min. (bar) | 3 | closing press. (bar) | 35 | 20 | 25 | 25 |
| | | | | 3,5 | | 40 | 25 | 40 | 35 |
| | | | | 4 | | | 40 | | 40 |
| Fig. No. | 35.415 | PN40 | 1.0619+N | | | 1.266,- | 1.449,- | 1.622,- | 1.654,- |
| **Accessories** | | | | | | | | | |
| Handlever | | | | | | | | | 136,- |
| Air-set including gauge 0-10 bar incl. fitting | | | | | | | | | 261,- |
| 3/2-way solenoid valve 230V50H, seat-Ø 2,5mm, IP65 | | | | | | | | | 208,- |
| Time relay | | | | | | | | | on request |

Air supply pressure max. 6 bar

Special flange drillings by agreement (refer to page 204)

# ARI-CHECKO®-V

**Check valves - metallic sealing**

PN 6 / 16 up to 300°C cast iron EN-JL1040

PN 16 / 25 up to 350°C nodular iron EN-JS1049

PN 25 / 40 up to 450°C cast steel 1.0619+N

PN 40 up to 450°C forged steel 1.0460

**German "TA-Luft" TÜV-Test-No. TA 09 2016 C04**
**acc. to EN ISO 15848-1**
**TRB 801 No. 45** [1] (without 10./12.003)

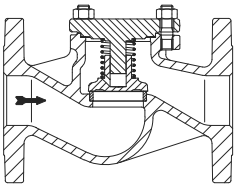


**Fig. 10.003 - 35.003**

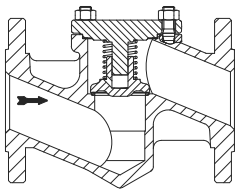


**Fig. 45.003**

| G41 | | DN | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 500 |
| EN-JL1040 | PN 6 **straight thr. Fig. 10.003** | 107,- | 125,- | 147,- | 168,- | 193,- | 232,- | 322,- | 407,- | 544,- | 848,- | 1.080,- | 2.487,- | | | | | |
| | PN 16 **straight thr. Fig. 12.003** | 108,- | 126,- | 148,- | 169,- | 195,- | 240,- | 325,- | 410,- | 548,- | 857,- | 1.091,- | 2.512,- | 4.281,- | 6.272,- | | | |

| G42 | | DN | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 500 |
| EN-JS1049 | PN 16 **straight thr. Fig. 22.003** | 172,- | 195,- | 213,- | 273,- | 310,- | 388,- | 495,- | 598,- | 807,- | 1.226,- | 1.601,- | 3.673,- | 6.344,- | 9.300,- | 11.018,- | | |

| G43 | | DN | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 500 |
| EN-JS1049 | PN 25 **straight thr. Fig. 23.003** | 172,- | 195,- | 213,- | 273,- | 310,- | 388,- | 495,- | 598,- | 828,- | 1.245,- | 1.613,- | | | | | | |

| I61 | | DN | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 500 |
| 1.0619+N | PN 25 **straight thr. Fig. 34.003** | 182,- | 204,- | 224,- | 286,- | 343,- | 408,- | 614,- | 812,- | 1.114,- | 1.580,- | 2.124,- | 3.585,- | 7.091,- | 10.810,- | 17.609,- | 23.941,- | 31.028,- |
| | PN 40 **straight thr. Fig. 35.003** | | | | | | | | | | | | 4.431,- | 8.176,- | 14.156,- | 20.617,- | 27.335,- | 34.126,- |
| 1.0460 | PN 40 **straight thr. Fig. 45.003** | 190,- | 205,- | 226,- | 291,- | 364,- | 431,- | | | | | | | | | | | |

| additional performance | DN | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 500 |
| plug design PTFE (max. 200°C) | 45,- | 45,- | 57,- | 64,- | 67,- | 71,- | 75,- | 81,- | 96,- | 100,- | 131,- | 275,- | 398,- | 480,- | | | |
| special flange drilling | refer to page 204 | | | | | | | | | | | | | | | | |

Blow down v. STEVI® BBD 415 / CHECKO®

Design acc. to data sheet (Observe information for critical application.)
Set gauge pressures: 0,1 bar
Angle pattern on request

[1] additional certification is necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
Certifications on page 205.

# ARI-CHECKO®-V

## with butt weld ends

**Check valves - metallic sealing**

PN 40 up to 450°C cast steel 1.0619+N
PN 40 up to 450°C forged steel 1.0460

**German "TA-Luft" TÜV-Test-No. TA 09 2016 C04 acc. to EN ISO 15848-1**

**TRB 801 No. 45** [1]

## stainless steel with flanges

PN 16 / 25 / 40 up to 400°C
stainless steel 1.4408

**German "TA-Luft" TÜV-Test-No. TA 09 2016 C04 acc. to EN ISO 15848-1**

**TRB 801 No. 45** [1]

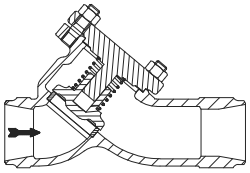


Fig. 35.063

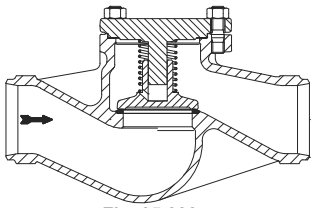


Fig. 35.030

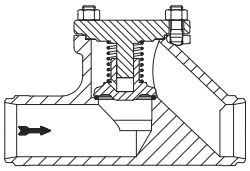


Fig. 45.030

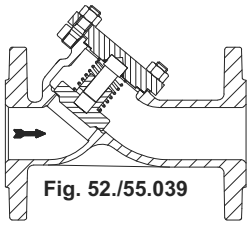


Fig. 52./55.039

| I63 | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| 1.0619+N | PN 40 - Y-pattern **Fig. 35.063** | 201,- | 211,- | 229,- | 302,- | 365,- | 416,- | 635,- | 821,- | 1.088,- | 1.378,- | 1.939,- | 3.545,- | 5.914,- | 2) |
| 1.0619+N | PN 40 - **straight thr. Fig. 35.030** | | | | | | | 733,- | 967,- | 1.348,- | 2.025,- | 2.676,- | 5.499,- | 7.586,- | 2) |
| 1.0460 | PN 40 - **straight thr. Fig. 45.030** | 199,- | 216,- | 235,- | 303,- | 367,- | 442,- | | | | | | | | |

| I62 | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| 1.4408 | PN 16 - Y-pattern **Fig. 52.039** | 312,- | 396,- | 426,- | 539,- | 644,- | 748,- | 913,- | 1.134,- | 1.382,- | 2.902,- | 3.884,- | 7.207,- | | application down to -60°C |
| 1.4408 | PN 25 / 40 - Y-pattern **Fig. 55.039** | | | | | | | 1.451,- | 1.704,- | 2.074,- | 4.407,- | 5.826,- | 9.361,- | | |

| additional performance | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| plug design PTFE (max. 200°C) | 45,- | 45,- | 57,- | 64,- | 67,- | 71,- | 75,- | 81,- | 96,- | 100,- | 131,- | 275,- | 398,- | |
| special flange- or weld-end shaping | refer to page 204 | | | | | | | | | | | | | |

Set gauge pressures: 0,1 bar

# ARI-CHECKO®-D

## of stainless steel - clamping version

**Wafer pattern check valves - metallic sealing**

PN 40 up to 400°C of stainless steel 1.4408

**TRB 801 No. 45** [1]

Application down to -60°C

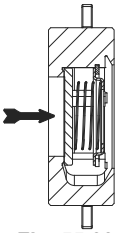


Fig. 55.001

| I65 | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 |
| 1.4408 | PN 40 Wafer pattern **Fig. 55.001** | 66,- | 77,- | 102,- | 124,- | 138,- | 171,- | 269,- | 380,- | 498,- | 1.910,- | 2.351,- | 4.173,- | on request | | |

| additional performance | DN | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 |
| plug design EPDM (max. 120°C) NBR (max. 80°C) FPM (Viton) (max. 150°C) [3] PTFE (max. 200°C) [4] | 15,- | 15,- | 15,- | 16,- | 16,- | 16,- | 24,- | 30,- | 40,- | 139,- | 160,- | 180,- | on request | | |

Set gauge pressures: 0,018 bar

Certifications on page 205.

Design acc. to data sheet (Observe information for critical application.)

[1] up to DN100 additional certification is necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
[2] further DN on request
[3] FPM (Viton) not suitable for hot water
[4] from DN125 onwards

# ARI-CHECKO® PN63/100/160

## with flanges and butt weld ends

**Check valves - metallic sealing**

DN10-50:
up to 450°C forged steel 1.0460 [1)]
up to 530°C high temperature steel 1.5415 [2)]
up to 550°C high temperature steel 1.7335 [2)]

DN65-100:
up to 400°C cast steel 1.0619+N [1)]
up to 530°C high temperature steel 1.7357 [2)]

NEW! from ARI

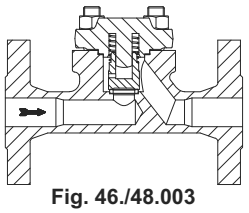


Fig. 46./48.003

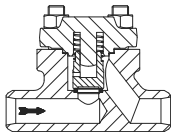


Fig. 48.030

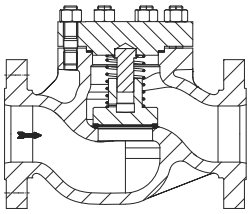


Fig. 38.003

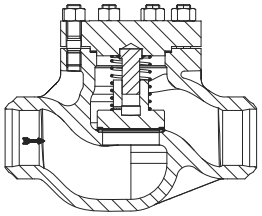


Fig. 38.030

| | | | | DN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 10 | 15 | 20 | 25 | 32 | 40 | | 50 | 65 | 80 | 100 |
| Flanges | 1.0460 | PN 63 | Fig. 46.003....40 | (PN63 for DN10-40 is covered by PN160) | | | | | | PN 63 | 873,- | | | |
| | | PN 63 / 100 / 160 | Fig. 48.003....40 | 332,- | 332,- | 375,- | 375,- | 725,- | 725,- | PN 100 / 160 | 980,- | | | |
| | 1.7335 | PN 63 | Fig. 86.003....81 | (PN63 for DN10-40 is covered by PN160) | | | | | | PN 63 | 1.254,- | | | |
| | | PN 63 / 100 / 160 | Fig. 88.003....81 | 492,- | 492,- | 549,- | 549,- | 1.044,- | 1.044,- | PN 100 / 160 | 1.363,- | | | |
| | 1.0619+N | PN 63 / 100 / 160 | Fig. 36./37./38.003....30 | | | | | | | | | 1.035,- | 1.366,- | 1.687,- |
| | 1.7357 | PN 63 / 100 / 160 | Fig. 86./87./88.003....89 | | | | | | | | | 1.738,- | 1.939,- | 4.895,- |
| Butt weld ends | 1.0460 | PN 63 / 100 / 160 | Fig. 46./47./48.030....40 | 329,- | 329,- | 354,- | 354,- | 668,- | 668,- | | 903,- | | | |
| | 1.5415 | PN 63 / 100 / 160 | Fig. 86./87./88.030....80 | 395,- | 395,- | 469,- | 469,- | 843,- | 843,- | | 1.182,- | | | |
| | 1.7335 | PN 63 / 100 / 160 | Fig. 86./87./88.030....81 | 472,- | 472,- | 507,- | 507,- | 938,- | 938,- | | 1.334,- | | | |
| | 1.0619+N | PN 63 / 100 / 160 | Fig. 36./37./38.030....30 | | | | | | | | | 1.176,- | 1.478,- | 1.883,- |
| | 1.7357 | PN 63 / 100 / 160 | Fig. 86./87./88.030....89 | | | | | | | | | 3.289,- | 3.898,- | 5.262,- |

| additional performance | DN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10 | 15 | 20 | 25 | 32 | 40 | | 50 | 65 | 80 | 100 |
| special flange drilling / weld end shaping | refer to page 204 | | | | | | | | | | |

Design acc. to data sheet
Set gauge pressures: 0,15 bar

[1)] Inspection: Final certificate and Material certificate acc.to DIN EN 10204-3.1 is standard.

Further certifications on page 205.

[2)] Inspection: Final certificate acc.to DIN EN 10204-3.1 and Material certificate acc.to DIN EN 10204-3.2 is standard.

# ARI-Strainers

PN 6 / 16 up to 300°C cast iron EN-JL1040

PN 16 / 25 up to 350°C nodular iron EN-JS1049

PN 25 / 40 up to 450°C cast steel 1.0619+N

**German "TA-Luft" TÜV-Test-No. TA 09 2016 C04 acc. to EN ISO 15848-1**

**TRB 801 No. 45** [1] (without Fig.10./12.050)

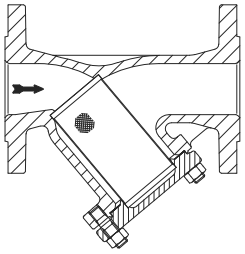


**Fig. 10.050-35.050**

screen DN 15 - DN 50 1 mm
screen DN 65 - DN 80 1,25 mm
screen DN100 - DN300 1,6 mm

fine screen 0,25 mm

| G51 | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| EN-JL1040 | PN 6 **Fig. 10.050** | 40,- | 43,- | 51,- | 60,- | 88,- | 99,- | 148,- | 199,- | 272,- | 455,- | 625,- | 1.201,- | | |
| | with fine screen | 48,- | 52,- | 62,- | 78,- | 107,- | 121,- | 179,- | 237,- | 335,- | 553,- | 748,- | 1.505,- | | |
| | PN 16 **Fig. 12.050** | 41,- | 45,- | 56,- | 66,- | 91,- | 111,- | 160,- | 217,- | 295,- | 496,- | 695,- | 1.308,- | 3.858,- | 5.714,- |
| | with fine screen | 49,- | 54,- | 67,- | 85,- | 110,- | 133,- | 191,- | 256,- | 360,- | 594,- | 817,- | 1.613,- | 4.309,- | 6.473,- |

| G52 | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| EN-JS1049 | PN 16 **Fig. 22.050** | 105,- | 112,- | 140,- | 160,- | 226,- | 334,- | 391,- | 528,- | 732,- | 1.116,- | 1.505,- | 2.759,- | 5.031,- | 8.146,- |
| | with fine screen | 113,- | 122,- | 151,- | 178,- | 245,- | 356,- | 423,- | 566,- | 796,- | 1.214,- | 1.628,- | 3.065,- | 5.481,- | 8.905,- |

| G53 | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| EN-JS1049 | PN 25 **Fig. 23.050** | 105,- | 112,- | 140,- | 160,- | 226,- | 334,- | 391,- | 528,- | 839,- | 1.323,- | 1.794,- | | | |
| | with fine screen | 113,- | 122,- | 151,- | 178,- | 245,- | 356,- | 423,- | 566,- | 902,- | 1.422,- | 1.915,- | | | |

| I71 | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| 1.0619+N | PN 40 **Fig. 35.050** | 237,- | 260,- | 278,- | 367,- | 445,- | 532,- | 763,- | 1.000,- | 1.252,- | 1.832,- | 2.413,- | 4.839,- | 8.424,- | 14.309,- |
| | with fine screen | 247,- | 269,- | 289,- | 384,- | 466,- | 553,- | 795,- | 1.038,- | 1.293,- | 1.929,- | 2.534,- | 5.143,- | 8.845,- | 15.024,- |
| | PN 25 **Fig. 34.050** | | | | | | | | | | | | 4.116,- | 7.306,- | 11.139,- |
| | with fine screen | | | | | | | | | | | | 4.415,- | 7.727,- | 11.854,- |

| additional performance | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| drain screw | size **INCH** | **3/8** | **3/8** | **3/4** | **3/4** | **1** | **1** | **1** | **1** | **1 1/2** | **1 1/2** | **1 1/2** | **2** | **2** | **2** |
| | | 13,- | 13,- | 13,- | 13,- | 17,- | 17,- | 17,- | 17,- | 22,- | 22,- | 22,- | 33,- | 33,- | 33,- |
| supporting basket | | 17,- | 17,- | 22,- | 22,- | 26,- | 26,- | 33,- | 35,- | 39,- | 48,- | always with supporting basket | | | |
| Holes for differential pressure measurement[2] | | 53,- | 53,- | 53,- | 53,- | 53,- | 53,- | 59,- | 59,- | 67,- | 67,- | 154,- | 154,- | on request | |
| Bar magnet | | 406,- | 406,- | 406,- | 406,- | 410,- | 410,- | 410,- | 410,- | 415,- | 415,- | 415,- | 507,- | 641,- | 773,- |
| Plug screw with magnet | | 91,- | 91,- | 91,- | 91,- | 95,- | 95,- | 95,- | 95,- | 100,- | 100,- | 100,- | 110,- | 110,- | 110,- |
| special flange drilling | | refer to page 204 | | | | | | | | | | | | | |

Design acc. to data sheet

Screens from DN150 onwards with supporting baskets

[1] additional certification is necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)

[2] not for all nominal sizes available (on request)

Certifications on page 205.

# ARI-Strainers

## with butt weld ends

PN 40 up to 450°C
cast steel 1.0619+N

**German "TA-Luft" TÜV-Test-No. TA 09 2016 C04**
**acc. to EN ISO 15848-1**
**TRB 801 No. 45** [1)]

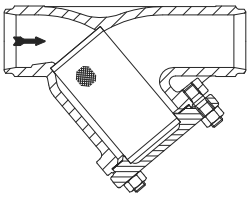


**Fig. 35.080**
screen DN 15 - DN 50 1 mm
screen DN 65 - DN 80 1,25 mm
screen DN100 - DN300 1,6 mm
fine screen 0,25 mm

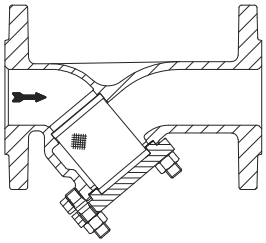


**Fig. 52./55.059**
screen DN 15 - DN 50 1 mm
screen DN 65 - DN 80 1,25 mm
screen DN100 - DN200 1,6 mm
fine screen 0,25 mm

## stainless steel with flanges

PN 16 / 25 / 40 up to 400°C
stainless steel 1.4408

**German "TA-Luft" TÜV-Test-No. TA 09 2016 C04**
**acc. to EN ISO 15848-1**
**TRB 801 No. 45** [1)]

| I73 | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| 1.0619+N | PN 40 **Fig. 35.080** | 238,- | 261,- | 278,- | 367,- | 469,- | 533,- | 840,- | 1.100,- | 1.426,- | 2.010,- | 2.662,- | 4.788,- | 6.306,- | 9.441,- |
| | with fine screen | 248,- | 270,- | 289,- | 384,- | 500,- | 554,- | 871,- | 1.138,- | 1.489,- | 2.108,- | 2.783,- | 5.092,- | 6.755,- | 10.198,- |

| I72 | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| 1.4408 | PN 16 **Fig. 52.059** | 422,- | 496,- | 586,- | 666,- | 824,- | 947,- | 1.143,- | 1.390,- | 1.716,- | 2.868,- | 4.586,- | 7.295,- | application down to -60°C | |
| | with fine screen | 446,- | 528,- | 616,- | 702,- | 871,- | 1.002,- | 1.227,- | 1.496,- | 1.880,- | 3.124,- | 4.888,- | 8.077,- | | |
| | PN 25 / 40 **Fig. 55.059** | 422,- | 496,- | 586,- | 666,- | 824,- | 947,- | 1.518,- | 1.878,- | 2.327,- | 3.633,- | 5.231,- | 9.915,- | | |
| | with fine screen | 446,- | 528,- | 616,- | 702,- | 871,- | 1.002,- | 1.601,- | 1.980,- | 2.493,- | 3.887,- | 5.532,- | 10.696,- | | |

| additional performance | | DN | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| drain screw | Size **INCH**/ weld ends | **3/8** | **3/8** | **3/4** | **3/4** | **1** | **1** | **1** | **1** | **1 1/2** | **1 1/2** | **1 1/2** | **2** | **2** | **2** |
| | | 13,- | 13,- | 13,- | 13,- | 17,- | 17,- | 17,- | 17,- | 22,- | 22,- | 22,- | 33,- | 33,- | 33,- |
| | Size **INCH**/ stainless steel | **3/8** | **3/8** | **3/4** | **3/4** | **1** | **1** | **1** | **1** | **1 1/2** | **1 1/2** | **1 1/2** | **2** | | |
| | | 24,- | 24,- | 24,- | 24,- | 30,- | 30,- | 30,- | 30,- | 34,- | 34,- | 34,- | 46,- | | |
| supporting basket | butt weld ends | 17,- | 17,- | 22,- | 22,- | 26,- | 26,- | 33,- | 35,- | 39,- | 48,- | always with supporting basket | | | |
| | stainless steel | 32,- | 32,- | 36,- | 36,- | 42,- | 42,- | 51,- | 51,- | 59,- | 65,- | | | | |
| Holes for differential pressure measurement [2)] | | 53,- | 53,- | 53,- | 53,- | 53,- | 53,- | 59,- | 59,- | 67,- | 67,- | 154,- | 154,- | on request | |
| Bar magnet | | 406,- | 406,- | 406,- | 406,- | 410,- | 410,- | 410,- | 410,- | 415,- | 415,- | 415,- | 507,- | 641,- | 773,- |
| Plug screw with magnet | | 91,- | 91,- | 91,- | 91,- | 95,- | 95,- | 95,- | 95,- | 100,- | 100,- | 100,- | 110,- | 110,- | 110,- |
| special flange- or weld end shaping | | refer to page 204 | | | | | | | | | | | | | |

Design acc. to data sheet
Screens from DN150 onwards with supporting baskets
[1)] additional certification is necessary - acc. to EN 10204-3.1 (for additional costs refer to page 205, 1.1 and 1.2)
[2)] for Fig. 35.080
Certifications on page 205.

# ARI-Strainers PN63/100/160

## with flanges and butt weld ends

DN10-50:
up to 450°C forged steel 1.0460 [1)]
up to 550°C high temperature steel 1.7335 [2)]

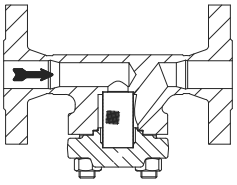


**Fig. 46./48.050**
screen 1 mm

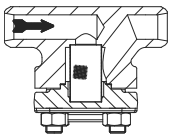


**Fig. 48.080**
screen 1 mm

DN65-100:
up to 400°C cast steel 1.0619+N [1)]
up to 530°C high temperature steel 1.7357 [2)]

NEW! from ARI

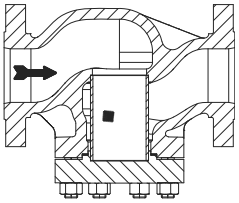


**Fig. 38.050**
screen DN 15 - DN 50 1 mm
screen DN 65 - DN 80 1,25 mm
screen DN 100 1,6 mm
fine screen 0,25 mm

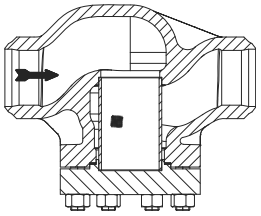


**Fig. 38.080**
screen DN 15 - DN 50 1 mm
screen DN 65 - DN 80 1,25 mm
screen DN 100 1,6 mm
fine screen 0,25 mm

| | | | | DN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 10 | 15 | 20 | 25 | 32 | 40 | | 50 | 65 | 80 | 100 |
| Flanges | 1.0460 | PN 63 | Fig. 46.050....40 | (PN63 for DN10-40 is covered by PN160) | | | | | | PN 63 | 961,- | | | |
| | | PN 63 / 100 / 160 | Fig. 48.050....40 | 398,- | 398,- | 448,- | 448,- | 797,- | 797,- | PN 100 / 160 | 1.078,- | | | |
| | 1.7335 | PN 63 | Fig. 86.050....81 | (PN63 for DN10-40 is covered by PN160) | | | | | | PN 63 | 1.318,- | | | |
| | | PN 63 / 100 / 160 | Fig. 88.050....81 | 541,- | 541,- | 603,- | 603,- | 1.096,- | 1.096,- | PN 100 / 160 | 1.433,- | | | |
| | 1.0619+N | PN 63 / 100 / 160 | Fig. 36./37./38.050....30 | | | | | | | | | 1.190,- | 1.571,- | 1.940,- |
| | 1.7357 | PN 63 / 100 / 160 | Fig. 86./87./88.050....89 | | | | | | | | | 1.999,- | 2.230,- | 5.630,- |
| Butt weld ends | 1.0460 | PN 63 / 100 / 160 | Fig. 46./47./48.080....40 | 393,- | 393,- | 426,- | 426,- | 735,- | 735,- | | 993,- | | | |
| | 1.7335 | PN 63 / 100 / 160 | Fig. 86./87./88.080....81 | 518,- | 518,- | 558,- | 558,- | 985,- | 985,- | | 1.400,- | | | |
| | 1.0619+N | PN 63 / 100 / 160 | Fig. 36./37./38.080....30 | | | | | | | | | 1.352,- | 1.700,- | 2.165,- |
| | 1.7357 | PN 63 / 100 / 160 | Fig. 86./87./88.080....89 | | | | | | | | | 3.783,- | 4.483,- | 6.052,- |

| additional performance | | DN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 | 15 | 20 | 25 | 32 | 40 | | 50 | 65 | 80 | 100 |
| drain screw | size **INCH** | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | | 3/4 | 1 | 1 | 1 1/2 |
| | | 60,- | 60,- | 60,- | 60,- | 60,- | 60,- | | 60,- | 144,- | 144,- | 217,- |
| special flange drilling / weld end shaping | | refer to page 204 | | | | | | | | | | |

Design acc. to data sheet

[1)] Inspection: Final certificate and Material certificate acc.to DIN EN 10204-3.1 is standard.

Further certifications on page 205.

[2)] Inspection: Final certificate acc.to DIN EN 10204-3.1 and Material certificate acc.to DIN EN 10204-3.2 is standard.

# ARI-SAFE Fig.901/902/911/912

Safety valves acc. to EN ISO 4126-1, TRD 421 and AD2000-A2
**Type test approval TÜV•SV• . . -663•D/G/F**
Further approvals: see data sheet

PN 16 up to 300°C cast iron EN-JL1040
PN 40 up to 350°C nodular iron EN-JS1049
PN 40 up to 450°C cast steel 1.0619+N

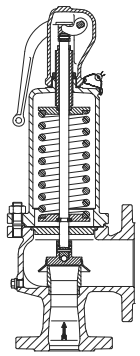


**Fig. 12.901 - 35.912**

| | | | | DN | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 20/32 | 25/40 | 32/50 | 40/65 | 50/80 | 65/100 | 80/125 | 100/150 | 125/200 | 150/250 | | |
| PN 16 EN-JL1040 | closed bonnet | G62 | closed lifting device **Fig.12.901** | | 461,- | 470,- | 565,- | 695,- | 877,- | 1.375,- | 1.802,- | 2.567,- | 3.300,- | 4.819,- | | |
| | | I91 | open lifting device **Fig.12.912** | | 425,- | 430,- | 521,- | 645,- | 827,- | 1.281,- | 1.704,- | 2.465,- | 3.185,- | 4.671,- | | |
| | | | gastight cap **Fig.12.911** | | 413,- | 414,- | 473,- | 598,- | 783,- | 1.223,- | 1.645,- | 2.399,- | 3.124,- | 4.458,- | | |
| | open bonnet | | open lifting device **Fig.12.902** | | 425,- | 430,- | 521,- | 645,- | 827,- | 1.281,- | 1.704,- | 2.465,- | 3.185,- | 4.671,- | | |
| | **set gauge press. (from 0,2 bar) up to max.** | | | | **16 bar** | | | | | | | | | | | |

| | | | | DN | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | **15/25** | **20/32** | **25/40** | **32/50** | **40/65** | **50/80** | **65/100** | **80/125** | **100/150** | **125/200** | **150/250** | | **200/300** **250/350** |
| PN 40 EN-JS1049 | closed bonnet | I91 | closed lifting device **Fig.25.901** | | 500,- | 503,- | 620,- | 755,- | 921,- | 1.375,- | 1.801,- | 2.627,- | 3.394,- | 5.172,- | PN 25 / PN 40 | 8.815,- 16.938,- |
| | | | open lifting device **Fig.25.912** | | 468,- | 471,- | 568,- | 725,- | 906,- | 1.293,- | 1.724,- | 2.556,- | 3.319,- | 5.089,- | | 8.714,- 16.820,- |
| | | | gastight cap **Fig.25.911** | | 458,- | 459,- | 551,- | 682,- | 848,- | 1.237,- | 1.660,- | 2.407,- | 3.255,- | 4.884,- | | 8.529,- 16.650,- |
| | open bonnet | | open lifting device **Fig.25.902** | | 468,- | 471,- | 568,- | 725,- | 906,- | 1.293,- | 1.724,- | 2.556,- | 3.319,- | 5.089,- | | 8.714,- 16.820,- |
| | **set gauge press. (from 0,2 bar) up to max.** | | | | **40 bar** | | | | | | **25 bar** | **24 bar** | **27 bar** | **26 bar** | | **25 bar** **20 bar** |
| PN 40 1.0619+N | closed bonnet | I91 | closed lifting device **Fig.35.901** | 669,- | 690,- | 697,- | 857,- | 1.043,- | 1.310,- | 1.764,- | 2.315,- | 3.292,- | 4.662,- | 6.670,- | PN 25 / PN 40 | 10.446,- 17.966,- |
| | | | open lifting device **Fig.35.912** | 649,- | 659,- | 664,- | 816,- | 1.003,- | 1.269,- | 1.690,- | 2.238,- | 3.220,- | 4.588,- | 6.585,- | | 10.345,- 17.849,- |
| | | | gastight cap **Fig.35.911** | 637,- | 647,- | 648,- | 773,- | 955,- | 1.224,- | 1.625,- | 2.177,- | 3.158,- | 4.525,- | 6.383,- | | 10.123,- 17.617,- |
| | open bonnet | | open lifting device **Fig.35.902** | 649,- | 659,- | 664,- | 816,- | 1.003,- | 1.269,- | 1.690,- | 2.238,- | 3.220,- | 4.588,- | 6.585,- | | 10.345,- 17.849,- |
| | **set gauge press. (from 0,2 bar) up to max.** | | | **40 bar** | | | | | | | **25 bar** | **24 bar** | **27 bar** | **26 bar** | | **25 bar** **20 bar** |

| **additional performance** | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **15/25** | **20/32** | **25/40** | **32/50** | **40/65** | **50/80** | **65/100** | **80/125** | **100/150** | **125/200** | **150/250** | **200/300** **250/350** |
| bellow of stainless steel [1] | | 313,- | 317,- | 317,- | 440,- | 527,- | 645,- | 872,- | 1.110,- | 1.659,- | on request | | on request |
| single springs | | 72,- | 72,- | 72,- | 92,- | 154,- | 218,- | 260,- | 416,- | 760,- | 1.335,- | 2.012,- | |
| soft sealing disc [2] | EPDM up to 150°C | 76,- | 91,- | 91,- | 117,- | 128,- | 128,- | 150,- | 195,- | 195,- | 233,- | 269,- | 304,- 356,- |
| | Viton (FPM) up to 180°C | 76,- | 91,- | 91,- | 117,- | 128,- | 128,- | 150,- | 195,- | 195,- | 233,- | 269,- | 304,- 356,- |
| | Neoprene up to 100°C | 76,- | 91,- | 91,- | 117,- | 128,- | 128,- | 150,- | 195,- | 195,- | 233,- | 269,- | on request |
| | NEW! from ARI SHR up to 220°C [3] | | 142,- | 142,- | 187,- | 210,- | 235,- | 292,- | 373,- | 482,- | 580,- | 701,- | 890,- 1.070,- |
| proximity switch | Fig. 901/911 [4] | 867,- | 867,- | 867,- | 867,- | 888,- | 888,- | 1.012,- | 1.012,- | 1.012,- | 1.012,- | 1.012,- | 1.274,- 1.274,- |
| | Fig. 902/912 | 596,- | 596,- | 596,- | 596,- | 618,- | 618,- | 744,- | 744,- | 744,- | 744,- | 744,- | 1.006,- 1.006,- |
| special flange drilling | | refer to page 204 | | | | | | | | | | | |

Design acc. to data sheet

[1] only Fig. 901, 911: Spring ranges and minimum/maximum set pressures - observe data sheet!

[2] Minimum set pressure - observe data sheet!

[3] Application for steam and hot water up to 220°C

[4] Compression proof

Certifications on page 205.

**Order data:** 1. Figure-No.; 2. Nominal diameter (DN); 3. Nominal pressure (PN); 4. Body material; 5. Set gauge pressures; 6. Special design / accessories

# ARI-SAFE Fig.901/911
## stainless steel

Safety valve acc. to EN ISO 4126-1, TRD 421 and AD2000-A2
**Type test approval TÜV•SV• . . -663•D/G/F**
Further approvals: see data sheet

PN 40 up to 400°C stainless steel 1.4408

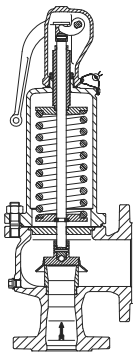


**Fig. 55.901/55.911**

| | | | DN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 15/25 | 20/32 | 25/40 | 32/50 | 40/65 | 50/80 | 65/100 | 80/125 | 100/150 | |
| PN 40 1.4408 | closed bonnet | closed lifting device **Fig.55.901** | 1.702,- | 1.819,- | 1.937,- | 2.967,- | 3.335,- | 4.000,- | 5.669,- | 7.686,- | 10.829,- | application down to -60°C |
| | | gastight cap **Fig.55.911** | 1.550,- | 1.648,- | 1.742,- | 2.670,- | 3.027,- | 3.712,- | 5.370,- | 7.386,- | 10.537,- | |
| | **set gauge press. (from 0,2 bar) up to max.** | | **40 bar** | **32 bar** | **30 bar** | **24 bar** | | | **19 bar** | **13 bar** | **11 bar** | |

| **additional performances** | | DN | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 15/25 | 20/32 | 25/40 | 32/50 | 40/65 | 50/80 | 65/100 | 80/125 | 100/150 |
| bellow of stainless steel [1] | | 446,- | 507,- | 606,- | 785,- | 945,- | 1.212,- | 1.976,- | 2.367,- | 3.029,- |
| single springs | | 112,- | 112,- | 116,- | 138,- | 180,- | 268,- | 317,- | 507,- | 918,- |
| soft sealing disc [2] | EPDM up to150°C | 76,- | 91,- | 91,- | 117,- | 128,- | 128,- | 150,- | 195,- | 195,- |
| | Viton (FPM) up to 180°C | 76,- | 91,- | 91,- | 117,- | 128,- | 128,- | 150,- | 195,- | 195,- |
| | Neoprene up to 100°C | 76,- | 91,- | 91,- | 117,- | 128,- | 128,- | 150,- | 195,- | 195,- |
| | NEW! from ARI SHR up to 220°C [3] | | 142,- | 142,- | 187,- | 210,- | 235,- | 292,- | 373,- | 482,- |
| drain hole with plug | | 53,- | 53,- | 53,- | 53,- | 53,- | 53,- | 53,- | 53,- | 53,- |
| proximity switch [4] | | 867,- | 867,- | 867,- | 867,- | 888,- | 888,- | 1.012,- | 1.012,- | 1.012,- |
| special flange drilling | | refer to page 204 | | | | | | | | |

Design acc. to data sheet

[1] Spring ranges and minimum/maximum set pressures - observe data sheet!

[2] Minimum set pressure - observe data sheet!

[3] Application for steam and hot water up to 220°C

[4] Compression proof

Certifications on page 205.

**Order data:** 1. Figure-No.; 2. Nominal diameter (DN); 3. Nominal pressure (PN); 4. Body material; 5. Set gauge pressures; 6. Special design / accessories

# ARI-SAFE P Fig.921/922/923/924

Safety valves acc. to EN ISO 4126-1, TRD 421 and AD2000-A2

**Type test approval TÜV•SV• . . -811•D/G /F**

PN 16 up to 300°C cast iron EN-JL1040
PN 40 up to 450°C cast steel 1.0619+N

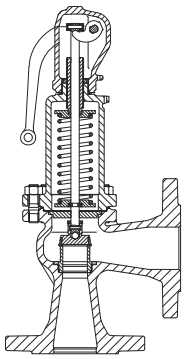


**Fig. 12.921 - 35.924**

| | | | | DN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | |
| PN 16 EN-JL1040 | closed bonnet | G62 | closed lifting device **Fig.12.921** | 373,- | 381,- | 390,- | 429,- | 473,- | 553,- | 708,- | 851,- | 1.217,- | |
| | | I91 | open lifting device **Fig.12.922** | 333,- | 342,- | 352,- | 388,- | 439,- | 505,- | 666,- | 809,- | 1.152,- | |
| | | | gastight cap **Fig.12.923** | 306,- | 316,- | 326,- | 371,- | 400,- | 491,- | 614,- | 763,- | 1.106,- | |
| | open bonnet | | open lifting device **Fig.12.924** | 333,- | 342,- | 352,- | 388,- | 439,- | 505,- | 666,- | 809,- | 1.152,- | |
| | **set gauge press. (from 0,2 bar) up to max.** | | | **16 bar** | | | | | | | | | |

| | | | | DN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| PN 16 EN-JS1049 | closed bonnet | I91 | closed lifting device **Fig.22.921** | | | | | | | | | | on request | |
| | | | open lifting device **Fig.22.922** | | | | | | | | | | | |
| | | | gastight cap **Fig.22.923** | | | | | | | | | | | |
| | open bonnet | | open lifting device **Fig.22.924** | | | | | | | | | | | |
| | **set gauge press. (from 0,2 bar) up to max.** | | | | | | | | | | | | | |
| PN 40 1.0619+N | closed bonnet | I91 | closed lifting device **Fig.35.921** | 609,- | 621,- | 630,- | 650,- | 723,- | 874,- | 1.106,- | 1.425,- | 2.121,- | on request | |
| | | | open lifting device **Fig.35.922** | 575,- | 588,- | 595,- | 613,- | 693,- | 840,- | 1.061,- | 1.382,- | 2.079,- | | |
| | | | gastight cap **Fig.35.923** | 551,- | 562,- | 568,- | 589,- | 664,- | 815,- | 1.013,- | 1.338,- | 2.034,- | | |
| | open bonnet | | open lifting device **Fig.35.924** | 575,- | 588,- | 595,- | 613,- | 693,- | 840,- | 1.061,- | 1.382,- | 2.079,- | | |
| | **set gauge press. (from 0,2 bar) up to max.** | | | **40 bar** | | | | | | | | | | |

| **additional performance** | | DN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| bellow of stainless steel [1] | | 313,- | 313,- | 313,- | 313,- | 347,- | 439,- | 527,- | 639,- | 883,- | on request | |
| single springs | | 68,- | 68,- | 68,- | 68,- | 68,- | 72,- | 92,- | 154,- | 218,- | | |
| soft sealing disc [2] | EPDM up to150°C | 76,- | 91,- | 91,- | 117,- | 128,- | 128,- | 150,- | 195,- | 195,- | | |
| | Viton (FPM) up to 180°C | 76,- | 91,- | 91,- | 117,- | 128,- | 128,- | 150,- | 195,- | 195,- | | |
| | Neoprene up to 100°C | 76,- | 91,- | 91,- | 117,- | 128,- | 128,- | 150,- | 195,- | 195,- | | |
| proximity switch | Fig. 921/923 [3] | 867,- | 867,- | 867,- | 867,- | 888,- | 888,- | 1.012,- | 1.012,- | 1.012,- | | |
| | Fig. 922/924 | 596,- | 596,- | 596,- | 596,- | 618,- | 618,- | 744,- | 744,- | 744,- | | |
| Special flange drilling | | refer to page 204 | | | | | | | | | | |

Design acc. to data sheet

[1] only Fig. 921, 923: Spring ranges and minimum/maximum set pressures - observe data sheet!

[2] Minimum set pressure - observe data sheet!

[3] Compression proof

Certifications on page 205.

**Order data:** 1. Figure-No.; 2. Nominal diameter (DN); 3. Nominal pressure (PN); 4. Body material; 5. Set gauge pressures; 6. Special design / accessories

# ARI-SAFE P Fig.921/923
## stainless steel

Safety valve acc. to EN ISO 4126-1, TRD 421 and AD2000-A2
**Type test approval TÜV•SV• . . -811•D/G/F**

Further approvals: see data sheet

PN 40 up to 400°C stainless steel 1.4408

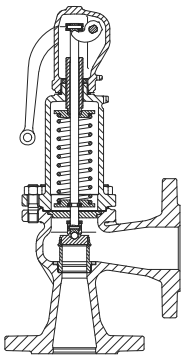


**Fig. 55.921/55.923**



| | | | DN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | |
| PN 40 1.4408 | closed bonnet | closed lifting device **Fig.55.921** | 1.405,- | 1.419,- | 1.491,- | 1.838,- | 2.059,- | 2.368,- | 3.453,- | 3.966,- | 6.065,- | application down to -60°C |
| | | gastight cap **Fig.55.923** | 1.235,- | 1.247,- | 1.306,- | 1.641,- | 1.872,- | 2.180,- | 3.157,- | 3.646,- | 5.749,- | |
| | **set gauge press. (from 0,2 bar) up to max.** | | **40 bar** | | | | | **30 bar** | | | **25 bar** | |

| **additional performances** | | DN | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 |
| bellow of stainless steel [1] | | 313,- | 450,- | 450,- | 450,- | 719,- | 872,- | 1.112,- | 1.355,- | 1.942,- |
| single springs | | 112,- | 112,- | 112,- | 112,- | 112,- | 116,- | 138,- | 180,- | 268,- |
| soft sealing disc [2] | EPDM up to150°C | 76,- | 91,- | 91,- | 117,- | 128,- | 128,- | 150,- | 195,- | 195,- |
| | Viton (FPM) up to 180°C | 76,- | 91,- | 91,- | 117,- | 128,- | 128,- | 150,- | 195,- | 195,- |
| | Neoprene up to 100°C | 76,- | 91,- | 91,- | 117,- | 128,- | 128,- | 150,- | 195,- | 195,- |
| proximity switch [3] | | 867,- | 867,- | 867,- | 867,- | 888,- | 888,- | 1.012,- | 1.012,- | 1.012,- |
| special flange drilling | | refer to page 204 | | | | | | | | |

Design acc. to data sheet

[1] Spring ranges and minimum/maximum set pressures - observe data sheet!

[2] Minimum set pressure - observe data sheet!

[3] Compression proof

Certifications on page 205.

**Order data:** 1. Figure-No.; 2. Nominal diameter (DN); 3. Nominal pressure (PN); 4. Body material; 5. Set gauge pressures; 6. Special design / accessories

**Notes**:

# ARI-SAFE-TC Fig.941/942/943

Safety valves acc. to EN ISO 4126-1, TRD 421
and AD2000-A2
**Type test approval TÜV•SV• . . -995•D/G/F**

PN 40 -10°C up to 350°C nodular iron EN-JS1049
PN 40 -60°C up to 400°C stainless steel 1.4408

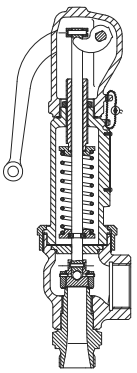


**Fig. 25./55.941**

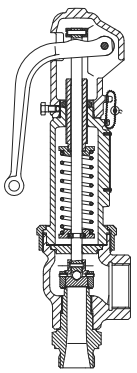


**Fig.25.942**

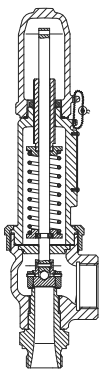


**Fig.25./55.943**



| | | | DN | | | |
|---|---|---|---|---|---|---|
| | | | 15 | 20 | 25 | |
| | | | G1/2" x G3/4" | G3/4" x G1" | G1" x G1 1/4"<br>G1" x G1 1/2" | |
| PN 40 EN-JS1049 | closed bonnet | closed lifting device **Fig.25.941** | 408,- | 436,- | 521,- | |
| | | open lifting device **Fig.25.942** | 365,- | 408,- | 485,- | |
| | | gastight cap **Fig.25.943** | 341,- | 381,- | 463,- | |
| | **set gauge press. (from 0,2 bar) up to max.** | | **40 bar** | | | |
| | | | | | | |
| PN 40 1.4408 | closed bonnet | closed lifting device **Fig.55.941** | 1.056,- | 1.221,- | 1.668,- | application down to -60°C |
| | | gastight cap **Fig.55.943** | 887,- | 1.043,- | 1.511,- | |
| | **set gauge press. (from 0,2 bar) up to max.** | | **40 bar** | | | |

| **additional performance** | | DN | | | |
|---|---|---|---|---|---|
| | | **15** | **20** | **25** | |
| | | G1/2" x G3/4" | G3/4" x G1" | G1" x G1 1/4"<br>G1" x G1 1/2" | |
| bellow of stainless steel [1] | Fig.25.941/943 | 293,- | 293,- | 293,- | |
| | Fig.55.941/943 | 437,- | 437,- | 437,- | |
| single springs | | 69,- | 69,- | 74,- | |
| springs of stainless steel | | 113,- | 113,- | 120,- | |
| soft sealing disc [2] | EPDM up to150°C | 91,- | 91,- | 91,- | |
| | Viton (FPM) up to 180°C | 91,- | 91,- | 91,- | |
| | Neoprene up to 100°C | 91,- | 91,- | 91,- | |
| proximity switch | Fig. 941/943 [3] | 867,- | 867,- | 867,- | |
| | Fig. 942 | 596,- | 596,- | 596,- | |
| special thread | | refer to page 204 | | | |

Design acc. to data sheet
[1] only Fig. 941 and 943: Spring ranges and minimum/maximum set pressures - observe data sheet!
[2] Minimum set pressure - observe data sheet!
[3] Compression proof
Certifications on page 205.

**Order data:** 1. Figure-No.; 2. Nominal diameter (DN); 3. Nominal pressure (PN); 4. Body material; 5. Set gauge pressures; 6. Special design / accessories

# ARI-SAFE-TCP Fig.961/962/963

Safety valves acc. to EN ISO 4126-1 and AD2000-A2
**Type test approval TÜV•SV• . . -1041•D/G/F**

PN 100 -10°C up to 300°C nodular iron EN-JS1049
PN 100 -60°C up to 300°C stainless steel 1.4581

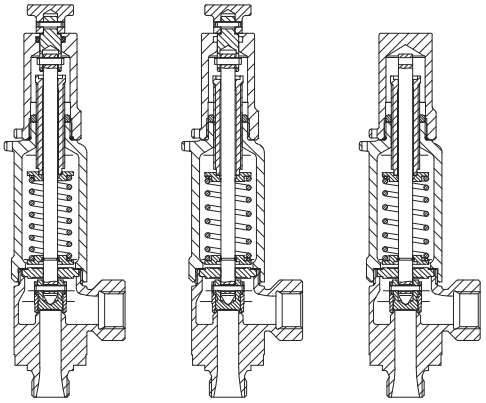


**Fig. 67./57.961** **Fig.67.962** **Fig.67./57.963**

| | | | | DN 1) | | | |
|---|---|---|---|---|---|---|---|
| | | | | 15 | 20 | 25 | |
| | | | | G1/2" x G1/2" | G3/4" x G1/2" | G1" x G1 " | |
| PN 100 1.4581 / EN-JS1049 | closed bonnet | G64 | closed lifting device **Fig.67.961** | 293,- | 310,- | 323,- | |
| | | I92 | open lifting device **Fig.67.962** | 255,- | 267,- | 277,- | |
| | | | gastight cap **Fig.67.963** | 225,- | 238,- | 252,- | |
| | **set gauge press. (from 0,2 bar) up to max.** | | | **100 bar** | | | |
| | | | | | | | |
| PN 100 1.4581 | closed bonnet | I92 | closed lifting device **Fig.57.961** | 661,- | 697,- | 731,- | application down to -60°C |
| | | | gastight cap **Fig.57.963** | 566,- | 603,- | 632,- | |
| | **set gauge press. (from 0,2 bar) up to max.** | | | **80 bar** | | | |

| **additional performance** | | DN 1) | | | |
|---|---|---|---|---|---|
| | | 15 | 20 | 25 | |
| | | G1/2" x G1/2" | G3/4" x G1/2" | G1" x G1 " | |
| single springs | | 68,- | 68,- | 68,- | |
| springs of stainless steel | | 108,- | 108,- | 108,- | |
| lifting lever (Fig.961/962) | | 17,- | 17,- | 17,- | |
| soft sealing disc 2) (max. 40 bar) | EPDM up to150°C | 91,- | 91,- | 91,- | |
| | Viton (FPM) up to 180°C | 91,- | 91,- | 91,- | |
| | Neoprene up to 100°C | 91,- | 91,- | 91,- | |
| special thread | | refer to page 204 | | | |

Design acc. to data sheet

1) Further connections on request
DN 15: G 1/2" x G 3/4"
DN 20: G 3/4" x G 3/4"; G3/4" x G1"

2) Minimum set pressure - observe data sheet!

Certifications on page 205.

**Order data:** 1. Figure-No.; 2. Nominal diameter (DN); 3. Nominal pressure (PN); 4. Body material; 5. Set gauge pressures; 6. Special design / accessories

# ARI-SAFE-TCS Fig.951/952/953

**ALSO FOR HORIZONTAL APPLICATION** [1)]

Safety valves acc. to EN ISO 4126-1 and AD2000-A2
**Type test approval TÜV•SV• . . -1041•D/G/F**

PN 100 -10°C up to 300°C nodular iron EN-JS1049
PN 100 -60°C up to 300°C stainless steel 1.4581

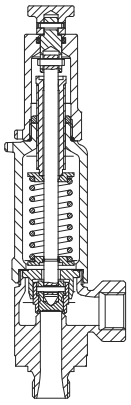


Fig. 67./57.951

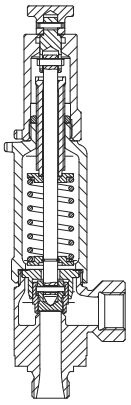


Fig.67.952

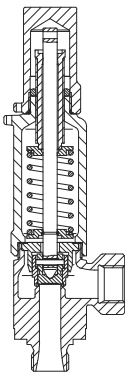


Fig.67./57.953

| | | | | DN [2)] | | | |
|---|---|---|---|---|---|---|---|
| | | | | 15 | 20 | 25 | |
| | | | | G1/2" x G1/2" | G3/4" x G1/2" | G1" x G1 " | |
| PN 100 1.4581 / EN-JS1049 | closed bonnet | G64 | closed lifting device **Fig.67.951** | 293,- | 310,- | 323,- | |
| | | I92 | open lifting device **Fig.67.952** | 255,- | 267,- | 277,- | |
| | | | gastight cap **Fig.67.953** | 225,- | 238,- | 252,- | |
| | **set gauge press. (from 0,2 bar) up to max.** | | | **100 bar** | | | |
| PN 100 1.4581 | closed bonnet | I92 | closed lifting device **Fig.57.951** | 661,- | 697,- | 731,- | application down to -60°C |
| | | | gastight cap **Fig.57.953** | 566,- | 603,- | 632,- | |
| | **set gauge press. (from 0,2 bar) up to max.** | | | **80 bar** | | | |

| **additional performance** | | DN [2)] | | |
|---|---|---|---|---|
| | | 15 | 20 | 25 |
| | | G1/2" x G1/2" | G3/4" x G1/2" | G1" x G1 " |
| single springs | | 68,- | 68,- | 68,- |
| springs of stainless steel | | 108,- | 108,- | 108,- |
| lifting lever (Fig.951/952) | | 17,- | 17,- | 17,- |
| soft sealing disc [3)] (max. 40 bar) | EPDM up to150°C | 91,- | 91,- | 91,- |
| | Viton (FPM) up to 180°C | 91,- | 91,- | 91,- |
| | Neoprene up to 100°C | 91,- | 91,- | 91,- |
| special thread | | refer to page 204 | | |

Design acc. to data sheet

[1)] Mounting position horizontal / vertical up to 5 bar set pressure; please indicate when ordering

[2)] Further connections on request
DN 15: G 1/2" x G 3/4"
DN 20: G 3/4" x G 3/4"; G3/4" x G1"

[3)] Minimum set pressure - observe data sheet!

Certifications on page 205.

**Order data:** 1. Figure-No.; 2. Nominal diameter (DN); 3. Nominal pressure (PN); 4. Body material; 5. Set gauge pressures; 6. Special design / accessories

# ARI-SAFE-SN ANSI Fig.901/902/911/912

**Safety valves acc. to**
**ASME Code Section VIII-Division 1.**
**UV-stamp NB-stamp**

TRD 421, EN ISO 4126-1 and AD2000-A2
**Type test approval TÜV•SV• . . -663•D/G/F Size 1“x2“ - 6“x10“**

ANSI 150/150, ANSI 300/150 up to 800°F SA 216 WCB

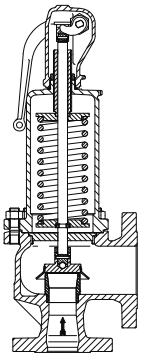


**Fig. 32.901 - 35.912**

| | | NPS | 1 x 2 | 1 1/2 x 2 | 1 1/2 x 2 1/2 | 1 1/2 x 3 | 2 x 3 | 3 x 4 | 4 x 6 | | 6 x 8 | 6 x 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Orifice | D/E | F | G | H | J | L | M | P | Q | R |
| ANSI 150/150 SA 216 WCB | closed bonnet | closed lifting device Fig.32.901 | 717,- | 890,- | 960,- | 1.081,- | 1.354,- | 2.207,- | 3.407,- | | 4.821,- | 6.905,- |
| | | open lifting device Fig.32.912 | 690,- | 845,- | 912,- | 1.038,- | 1.312,- | 2.114,- | 3.329,- | | 4.748,- | 6.816,- |
| | | gastight cap Fig.32.911 | 666,- | 801,- | 866,- | 989,- | 1.267,- | 2.036,- | 3.268,- | | 4.681,- | 6.607,- |
| | open bonnet | open lifting device Fig.32.902 | 690,- | 845,- | 912,- | 1.038,- | 1.312,- | 2.114,- | 3.329,- | | 4.748,- | 6.816,- |
| | TÜV-type test acc. to EN ISO 4126-1 set gauge press. (from 0,2 bar) up to max. | | 19,6 bar | | | | | | | | | |
| | ASME Code Sect. VIII - Div. 1 set gauge press. (from 15 psig) up to max. | | 285 psig | | | | | | 276 psig | | 285 psig | |
| ANSI 300/150 SA 216 WCB | closed bonnet | closed lifting device Fig.35.901 | 717,- | 890,- | 960,- | 1.081,- | 1.354,- | 2.207,- | 3.407,- | | 4.821,- | 6.905,- |
| | | open lifting device Fig.35.912 | 690,- | 845,- | 912,- | 1.038,- | 1.312,- | 2.114,- | 3.329,- | | 4.748,- | 6.816,- |
| | | gastight cap Fig.35.911 | 666,- | 801,- | 866,- | 989,- | 1.267,- | 2.036,- | 3.268,- | | 4.681,- | 6.607,- |
| | open bonnet | open lifting device Fig.35.902 | 690,- | 845,- | 912,- | 1.038,- | 1.312,- | 2.114,- | 3.329,- | | 4.748,- | 6.816,- |
| | TÜV-type test acc. to EN ISO 4126-1 set gauge press. (from 0,2 bar) up to max. | | 40 bar | | | | | | 24 bar | | 27 bar | 26 bar |
| | ASME Code Sect. VIII - Div. 1 set gauge press. (from 15 psig) up to max. | | 493 psig | | | | | 406 psig | 276 psig | | 392 psig | 305 psig |

| additional performance | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NPS | 1 x 2 | 1 1/2 x 2 | 1 1/2 x 2 1/2 | 1 1/2 x 3 | 2 x 3 | 3 x 4 | 4 x 6 | | 6 x 8 | 6 x 10 |
| | Orifice | D/E | F | G | H | J | L | M | P | Q | R |
| bellow of stainless steel [1] | | 317,- | 440,- | 527,- | 645,- | 645,- | 872,- | 1.659,- | | | |
| single springs | | 72,- | 92,- | 154,- | 347,- | 260,- | 416,- | 760,- | | 1.335,- | 2.012,- |
| soft sealing disc [2] | EPDM up to 302°F | 91,- | 117,- | 117,- | 128,- | 128,- | 150,- | 195,- | | 233,- | 269,- |
| | Viton (FPM) up to 356°F | 91,- | 117,- | 117,- | 128,- | 128,- | 150,- | 195,- | | 233,- | 269,- |
| | Neoprene (CR) 212°F | 91,- | 117,- | 117,- | 128,- | 128,- | 150,- | 195,- | | 233,- | 269,- |
| NEW! from ARI | SHR up to 428°F [3] | 142,- | 187,- | 187,- | 210,- | 235,- | 292,- | 482,- | | 580,- | 701,- |
| proximity switch | Fig. 901/911 [4] | 867,- | 867,- | 867,- | 888,- | 888,- | 1.012,- | 1.012,- | | 1.012,- | 1.012,- |
| | Fig. 902/912 | 596,- | 596,- | 596,- | 618,- | 618,- | 744,- | 744,- | | 744,- | 744,- |
| special flange drilling | | refer to page 204 | | | | | | | | | |

Design acc. to data sheet

[1] only Fig. 901, 911: Spring ranges and minimum/maximum set pressures - observe data sheet!

[2] Minimum set pressure - observe data sheet!

[3] Application for steam and hot water up to 428°F

[4] Compression proof

Certifications on page 205.

Order data: 1. Figure-No.; 2. Nominal pipe size (NPS); 3. Nominal pressure (Class); 4. Body material; 5. Orifice; 6. Set gauge pressures; 7. Special design / accessories

# ARI-SAFE-SN ANSI Fig.901/911

## stainless steel

**Safety valves acc. to**
**ASME Code Section VIII-Division 1.**
**UV-stamp NB-stamp**

TRD 421, EN ISO 4126-1 and AD2000-A2
**Type test approval TÜV•SV• . . -663•D/G/F Size 1“x2“ - 4“x6“**

ANSI 150/150, ANSI 300/150 up to 750°F SA351CF8M

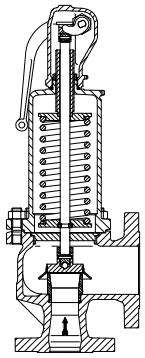


**Fig. 52.901 - 55.911**

| | | NPS | 1 x 2 | 1 1/2 x 2 | 1 1/2 x 2 1/2 | 1 1/2 x 3 | 2 x 3 | 3 x 4 | 4 x 6 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Orifice | D/E | F | G | H | J | L | M | P |
| ANSI 150/150 SA 351 CF8M | closed bonnet | closed lifting device Fig.52.901 | 1.994,- | 3.080,- | 3.324,- | 3.456,- | 4.134,- | 7.093,- | 11.205,- | |
| | | gastight cap Fig.52.911 | 1.800,- | 2.783,- | 3.026,- | 3.149,- | 3.847,- | 6.795,- | 10.913,- | |
| | TÜV-type test acc. to EN ISO 4126-1 set gauge press. (from 0,2 bar) up to max. | | 19,6 bar | | | | | 19 bar | 11 bar | |
| | ASME Code Sect. VIII - Div. 1 set gauge press. (from 15 psig) up to max. | | 285 psig | | | | | 276 psig | 160 psig | |
| ANSI 300/150 SA 351 CF8M | closed bonnet | closed lifting device Fig.55.901 | 1.994,- | 3.080,- | 3.324,- | 3.456,- | 4.134,- | 7.093,- | 11.205,- | |
| | | gastight cap Fig.55.911 | 1.800,- | 2.783,- | 3.026,- | 3.149,- | 3.847,- | 6.795,- | 10.913,- | |
| | TÜV-type test acc. to EN ISO 4126-1 set gauge press. (from 0,2 bar) up to max. | | 30 bar | 24 bar | | | | 19 bar | 11 bar | |
| | ASME Code Sect. VIII - Div. 1 set gauge press. (from 15 psig) up to max. | | 435 psig | 348 psig | | | | 276 psig | 160 psig | |

SAFE-SN ANSI

**additional performance**

| | | NPS | 1 x 2 | 1 1/2 x 2 | 1 1/2 x 2 1/2 | 1 1/2 x 3 | 2 x 3 | 3 x 4 | 4 x 6 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Orifice | D/E | F | G | H | J | L | M | P |
| bellow of stainless steel [1] | | | 317,- | 440,- | 527,- | 645,- | 645,- | 872,- | 1.659,- | |
| single springs | | | 72,- | 92,- | 154,- | 347,- | 260,- | 416,- | 760,- | |
| soft sealing disc [2] | EPDM up to 302°F | | 91,- | 117,- | 117,- | 128,- | 128,- | 150,- | 195,- | |
| | Viton (FPM) up to 356°F | | 91,- | 117,- | 117,- | 128,- | 128,- | 150,- | 195,- | |
| | Neoprene (CR) 212°F | | 91,- | 117,- | 117,- | 128,- | 128,- | 150,- | 195,- | |
| | NEW! from ARI SHR up to 428°F [3] | | 142,- | 187,- | 187,- | 210,- | 235,- | 292,- | 482,- | |
| proximity switch | Fig. 901/911 [4] | | 867,- | 867,- | 867,- | 888,- | 888,- | 1.012,- | 1.012,- | |
| | Fig. 902/912 | | 596,- | 596,- | 596,- | 618,- | 618,- | 744,- | 744,- | |
| special flange drilling | | | refer to page 204 | | | | | | | |

Design acc. to data sheet

[1] only Fig. 901, 911: Spring ranges and minimum/maximum set pressures - observe data sheet!

[2] Application for steam and hot water up to 428°F

[3] Minimum set pressure - observe data sheet!

[4] Compression proof

Certifications on page 205.

Order data: 1. Figure-No.; 2. Nominal pipe size (NPS); 3. Nominal pressure (Class); 4. Body material; 5. Orifice; 6. Set gauge pressures; 7. Special design / accessories

# ARI-REYCO R Series Fig.971/973/974

**Safety relief valves acc. to API526**
**ASME Code Section VIII-Division 1.**
**UV-stamp NB-stamp**

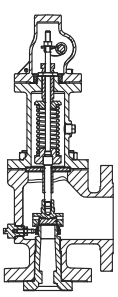


Fig. 35.971

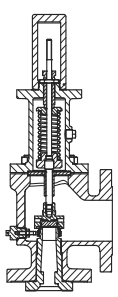


Fig. 35.973

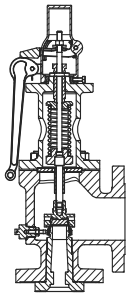


Fig. 35.974

## Body and bonnet of SA216WCC, Spring of Chrome-Vanadium

NPS 1x2 - 8x10

ANSI 150/150, ANSI 300L/150,
ANSI 300/150, ANSI 600/150

**Temperature range: up to 343°C / 650°F**
**(with open bonnet up to 399°C / 750°F)**

**on request: ANSI 900/(150)300, ANSI 1500/(150)300, ANSI 2500/300**

Optional:
Spring of stainless steel or Inconel
up to 427°C / 800°F:
(refer to page 155 Additional performance)

| ANSI 150 / 150 | NPS | 1x2 | | 1 1/2x2 | 1 1/2x3 | | 2x3 | 3x4 | | 4x6 | | | 6x8 | | 8x10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Orifice | D | E | F | G | H | J | K | L | M | N | P | Q | R | T |
| closed bonnet | closed lifting device **Fig.32.971** | 1.717,- | 1.745,- | 1.785,- | 1.865,- | 2.128,- | 2.490,- | 2.684,- | 3.522,- | 4.469,- | 4.651,- | 5.801,- | 7.142,- | 7.856,- | 13.410,- |
| | gastight cap **Fig.32.973** | 1.362,- | 1.391,- | 1.403,- | 1.488,- | 1.723,- | 2.136,- | 2.277,- | 3.097,- | 4.044,- | 4.136,- | 4.951,- | 6.295,- | 7.051,- | 12.916,- |
| open bonnet | open lifting device **Fig.32.974** | 1.498,- | 1.526,- | 1.585,- | 1.670,- | 1.914,- | 2.363,- | 2.551,- | 3.444,- | 4.392,- | 4.566,- | 5.520,- | 6.895,- | 7.652,- | 13.223,- |
| bellow of Inconel | | 1.125,- | 1.125,- | 1.125,- | 1.298,- | 1.378,- | 1.378,- | 1.435,- | 1.767,- | 1.952,- | 2.147,- | 2.325,- | 2.638,- | 2.929,- | 3.100,- |

| ANSI 300L / 150 | NPS | 1x2 | | 1 1/2x2 | 1 1/2x3 | | 2x3 | 3x4 | | 4x6 | | | 6x8 | | 8x10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Orifice | D | E | F | G | H | J | K | L | M | N | P | Q | R | T |
| closed bonnet | closed lifting device **Fig.35.971(L)** | 1.728,- | 1.822,- | 1.856,- | 2.004,- | 2.359,- | 2.714,- | 2.932,- | 3.733,- | 4.665,- | 4.970,- | 5.992,- | 7.342,- | 8.046,- | 13.749,- |
| | gastight cap **Fig.35.973(L)** | 1.373,- | 1.472,- | 1.478,- | 1.634,- | 1.968,- | 2.374,- | 2.539,- | 3.319,- | 4.251,- | 4.473,- | 5.155,- | 6.507,- | 7.253,- | 13.275,- |
| open bonnet | open lifting device **Fig.35.974(L)** | 1.508,- | 1.608,- | 1.659,- | 1.816,- | 2.160,- | 2.602,- | 2.811,- | 3.667,- | 4.600,- | 4.902,- | 5.724,- | 7.107,- | 7.853,- | 13.570,- |
| bellow of Inconel | | 1.125,- | 1.125,- | 1.125,- | 1.298,- | 1.378,- | 1.378,- | 1.435,- | 1.767,- | 1.952,- | 2.147,- | 2.325,- | 2.638,- | 2.929,- | 3.100,- |

| ANSI 300 / 150 | NPS | 1x2 | | 1 1/2x2 | 1 1/2x3 | 2x3 | 3x4 | | 4x6 | | | | 6x8 | 6x10 | 8x10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Orifice | D | E | F | G | H | J | K | L | M | N | P | Q | R | T |
| closed bonnet | closed lifting device **Fig.35.971** | 1.817,- | 1.840,- | 1.931,- | 2.079,- | 2.409,- | 2.835,- | 3.057,- | 3.771,- | 4.785,- | 5.217,- | 6.487,- | 7.760,- | 9.005,- | 17.057,- |
| | gastight cap **Fig.35.973** | 1.468,- | 1.492,- | 1.558,- | 1.714,- | 2.022,- | 2.503,- | 2.673,- | 3.359,- | 4.378,- | 4.736,- | 5.680,- | 6.950,- | 8.504,- | 16.785,- |
| open bonnet | open lifting device **Fig.35.974** | 1.603,- | 1.628,- | 1.739,- | 1.896,- | 2.212,- | 2.730,- | 2.946,- | 3.706,- | 4.726,- | 5.166,- | 6.247,- | 7.550,- | 8.760,- | 16.881,- |
| bellow of Inconel | | 1.125,- | 1.125,- | 1.125,- | 1.298,- | 1.378,- | 1.378,- | 1.435,- | 1.767,- | 1.952,- | 2.147,- | 2.325,- | 2.638,- | 2.929,- | 3.100,- |

| ANSI 600 / 150 | NPS | 1x2 | | 1 1/2x2 | 1 1/2x3 | 2x3 | 3x4 | | 4x6 | | | | 6x8 | 6x10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Orifice | D | E | F | G | H | J | K | L | M | N | P | Q | R |
| closed bonnet | closed lifting device **Fig.37.971** | 1.879,- | 1.903,- | 2.013,- | 2.161,- | 2.832,- | 3.494,- | 3.970,- | 4.053,- | 5.155,- | 5.867,- | 7.819,- | 9.216,- | 10.426,- |
| | gastight cap **Fig.37.973** | 1.534,- | 1.558,- | 1.645,- | 1.802,- | 2.469,- | 3.203,- | 3.642,- | 3.657,- | 4.771,- | 5.426,- | 7.091,- | 8.492,- | 9.936,- |
| open bonnet | open lifting device **Fig.37.974** | 1.670,- | 1.694,- | 1.827,- | 1.982,- | 2.661,- | 3.430,- | 3.914,- | 4.005,- | 5.119,- | 5.855,- | 7.659,- | 9.093,- | 10.335,- |
| bellow of Inconel | | 1.125,- | 1.125,- | 1.125,- | 1.298,- | 1.378,- | 1.378,- | 1.435,- | 1.767,- | 1.952,- | 2.147,- | 2.325,- | 2.638,- | 2.929,- |

Design acc. to data sheet
Additional performance on page 155.
Certifications on page 205.

**Order data:** 1. Figure-No.; 2. Nominal pipe size (NPS); 3. Nominal pressure (Class); 4. Body material; 5. Orifice; 6. Set gauge pressures; 7. Special design / accessories

# ARI-REYCO R Series Fig.971/973/974

**Safety relief valves acc. to API526**
**ASME Code Section VIII-Division 1.**
**UV-stamp NB-stamp**

## Body and bonnet of SA217WC6
## Spring of Inconel

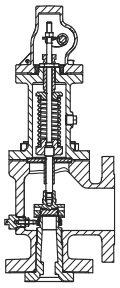


Fig. 35.971

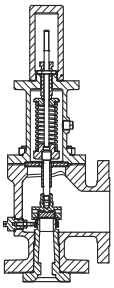


Fig. 35.973

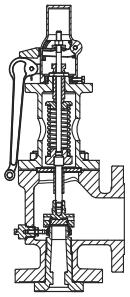


Fig. 35.974

NPS 1x2 - 8x10

ANSI 300L/150, ANSI 300/150,
ANSI 600/150

**Temperature range: up to 538°C / 1000°F**

**on request: ANSI 900/(150)300, ANSI 1500/(150)300, ANSI 2500/300**

| ANSI 300/150 | NPS | 1x2 | | 1 1/2x2 | 1 1/2x3 | 2x3 | 3x4 | | 4x6 | | | | 6x8 | 6x10 | 8x10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Orifice | D | E | F | G | H | J | K | L | M | N | P | Q | R | T |
| closed bonnet | closed lifting device **Fig.35.971** | on request | | | | | | | | | | | | | |
| | gastight cap **Fig.35.973** | on request | | | | | | | | | | | | | |
| open bonnet | open lifting device **Fig.35.974** | on request | | | | | | | | | | | | | |
| bellow of Inconel | | on request | | | | | | | | | | | | | |

| ANSI 600/150 | NPS | 1x2 | | 1 1/2x 2 | 1 1/2x 3 | 2x3 | 3x4 | | 4x6 | | | | 6x8 | 6x10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Orifice | D | E | F | G | H | J | K | L | M | N | P | Q | R |
| closed bonnet | closed lifting device **Fig.37.971** | on request | | | | | | | | | | | | |
| | gastight cap **Fig.37.973** | on request | | | | | | | | | | | | |
| open bonnet | open lifting device **Fig.37.974** | on request | | | | | | | | | | | | |
| bellow of Inconel | | on request | | | | | | | | | | | | |

Design acc. to data sheet
Additional performance on page 155.
Certifications on page 205.

**Order data:** 1. Figure-No.; 2. Nominal pipe size (NPS); 3. Nominal pressure (Class); 4. Body material; 5. Orifice; 6. Set gauge pressures; 7. Special design / accessories

# ARI-REYCO R Series Fig.971/973

**Safety relief valves acc. to API526**
**ASME Code Section VIII-Division 1.**
**UV-stamp NB-stamp**

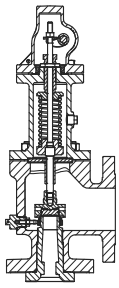


**Fig. 55.971**

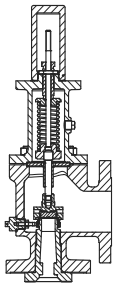


**Fig. 55.973**

## Body and bonnet of SA351CF8M
## Spring of stainless steel

NPS 1x2 - 8x10

ANSI 150/150, ANSI 300L/150,
ANSI 300/150, ANSI 600/150

### Temperature range: up to 427°C / 800°F

**on request: ANSI 900/(150)300, ANSI 1500/(150)300, ANSI 2500/300**

Optional: Spring of Inconel
up to 538°C / 1000°F
(refer to page 155 Additional performance)

| ANSI 150/150 | NPS | 1x2 | | 1 1/2x 2 | 1 1/2x3 | | 2x3 | 3x4 | | 4x6 | | | 6x8 | | 8 x10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Orifice | D | E | F | G | H | J | K | L | M | N | P | Q | R | T |
| closed bonnet | closed lifting device **Fig.52.971** | 4.445,- | 4.473,- | 4.516,- | 4.630,- | 5.192,- | 6.000,- | 6.770,- | 8.358,- | 10.003,- | 10.773,- | 12.533,- | 15.216,- | 17.300,- | 27.431,- |
| | gastight cap **Fig.52.973** | 3.985,- | 4.014,- | 4.025,- | 4.141,- | 4.657,- | 5.496,- | 6.201,- | 7.718,- | 9.304,- | 9.978,- | 11.332,- | 13.935,- | 16.017,- | 26.125,- |
| bellow of Inconel | | 1.125,- | 1.125,- | 1.125,- | 1.298,- | 1.378,- | 1.378,- | 1.435,- | 1.767,- | 1.952,- | 2.147,- | 2.325,- | 2.638,- | 2.929,- | 3.100,- |

| ANSI 300L/150 | NPS | 1x2 | | 1 1/2x 2 | 1 1/2x3 | | 2x3 | 3x4 | | 4x6 | | | 6x8 | | 8 x10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Orifice | D | E | F | G | H | J | K | L | M | N | P | Q | R | T |
| closed bonnet | closed lifting device **Fig.55.971(L)** | 4.453,- | 4.554,- | 4.591,- | 4.777,- | 5.331,- | 6.113,- | 6.894,- | 8.578,- | 10.208,- | 11.112,- | 12.734,- | 15.429,- | 17.500,- | 27.791,- |
| | gastight cap **Fig.55.973(L)** | 3.994,- | 4.095,- | 4.100,- | 4.287,- | 4.796,- | 5.608,- | 6.325,- | 7.939,- | 9.513,- | 10.314,- | 11.535,- | 14.148,- | 16.220,- | 26.484,- |
| bellow of Inconel | | 1.125,- | 1.125,- | 1.125,- | 1.298,- | 1.378,- | 1.378,- | 1.435,- | 1.767,- | 1.952,- | 2.147,- | 2.325,- | 2.638,- | 2.929,- | 3.100,- |

| ANSI 300/150 | NPS | 1x2 | | 1 1/2x 2 | 1 1/2x 3 | 2x3 | 3x4 | | 4x6 | | | | 6x8 | 6 x10 | 8 x10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Orifice | D | E | F | G | H | J | K | L | M | N | P | Q | R | T |
| closed bonnet | closed lifting device **Fig.55.971** | 4.551,- | 4.574,- | 4.671,- | 4.859,- | 5.382,- | 6.240,- | 7.027,- | 8.620,- | 10.335,- | 11.373,- | 13.260,- | 15.871,- | 18.677,- | 31.446,- |
| | gastight cap **Fig.55.973** | 4.091,- | 4.115,- | 4.182,- | 4.368,- | 4.848,- | 5.736,- | 6.457,- | 7.979,- | 9.638,- | 10.577,- | 12.060,- | 14.591,- | 17.395,- | 30.141,- |
| bellow of Inconel | | 1.125,- | 1.125,- | 1.125,- | 1.298,- | 1.378,- | 1.378,- | 1.435,- | 1.767,- | 1.952,- | 2.147,- | 2.325,- | 2.638,- | 2.929,- | 3.100,- |

| ANSI 600/150 | NPS | 1x2 | | 1 1/2x 2 | 1 1/2x3 | 2x3 | 3x4 | | 4x6 | | | | 6x8 | 6 x10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Orifice | D | E | F | G | H | J | K | L | M | N | P | Q | R |
| closed bonnet | closed lifting device **Fig.57.971** | 4.616,- | 4.642,- | 4.758,- | 4.943,- | 5.834,- | 6.942,- | 7.995,- | 8.916,- | 10.728,- | 12.065,- | 14.672,- | 17.416,- | 19.200,- |
| | gastight cap **Fig.57.973** | 4.157,- | 4.182,- | 4.267,- | 4.452,- | 5.299,- | 6.438,- | 7.426,- | 8.275,- | 10.032,- | 11.267,- | 13.473,- | 16.135,- | 17.920,- |
| bellow of Inconel | | 1.125,- | 1.125,- | 1.125,- | 1.298,- | 1.378,- | 1.378,- | 1.435,- | 1.767,- | 1.952,- | 2.147,- | 2.325,- | 2.638,- | 2.929,- |

Design acc. to data sheet
Additional performance on page 155.
Certifications on page 205.

**Order data:** 1. Figure-No.; 2. Nominal pipe size (NPS); 3. Nominal pressure (Class); 4. Body material; 5. Orifice; 6. Set gauge pressures;
7. Special design / accessories

# ARI-REYCO R Series Fig.971/973/974

## Additional performance

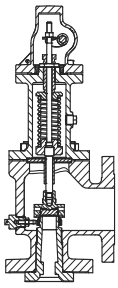


Fig. 971

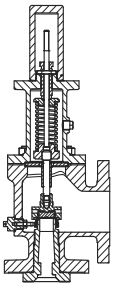


Fig. 973

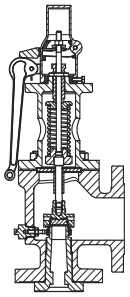


Fig. 974

| additional performance | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Orifice | | D | E | F | G | H | J | K | L | M | N | P | Q | R | T |
| springs of stainless steel | | 369,- | | | 503,- | 664,- | 1.083,- | 1.262,- | 1.523,- | 1.789,- | 2.188,- | 2.676,- | 3.567,- | 4.502,- | 6.801,- |
| spring of Inconel X750 | | 1.106,- | | | 2.155,- | 2.841,- | 3.778,- | 4.005,- | 4.696,- | 5.363,- | 6.560,- | 9.857,- | on request | | |
| disc stellited | | 367,- | | | | 392,- | | 431,- | | | | 527,- | | | 613,- |
| nozzle stellited | | 367,- | | | | 392,- | | 431,- | | | | 527,- | | | 613,- |
| soft sealing disc | Chemraz -20°F up to 450°F | 298,- | | | | 471,- | | | 549,- | | | 706,- | | | 938,- |
| | Alfas -20°F up to 500°F | 298,- | | | | 471,- | | | 549,- | | | 706,- | | | 938,- |
| | Fluoraz -20°F up to 500°F | 298,- | | | | 471,- | | | 549,- | | | 706,- | | | 938,- |
| | Kalrez® -20°F up to 550°F | 298,- | | | | 471,- | | | 549,- | | | 706,- | | | 938,- |
| | BUNA-N -65°F up to 275°F | 73,- | | | | 83,- | | | 87,- | | | 117,- | | | 157,- |
| | EPR -65°F up to 325°F | 73,- | | | | 83,- | | | 87,- | | | 117,- | | | 157,- |
| | Viton® -65°F up to 400°F | 73,- | | | | 83,- | | | 87,- | | | 117,- | | | 157,- |
| | Silicone -150°F up to 450°F | 73,- | | | | 83,- | | | 87,- | | | 117,- | | | 157,- |
| proximity switch | Fig. 971/973 [1] | 867,- | | | 888,- | | | 1.012,- | | | | | | | |
| | Fig. 974 | 596,- | | | 618,- | | | 744,- | | | | | | | |
| test gag | | 111,- | | | | | | | | | | 187,- | | | 282,- |
| bolted cap | | 226,- | | | | | | | | | | 369,- | | | 471,- |
| heating jacket | | on request | | | | | | | | | | | | | |
| special flange drilling | Inlet - RTJ | 220,- | | 305,- | | 471,- | | 556,- | | 634,- | | | | 697,- | |
| | Outlet - RTJ | on request | | | | | | | | | | | | | |
| | Inlet - Key type / groove | 369,- | | | | 471,- | | 579,- | | | | 884,- | | | 1.276,- |
| | Outlet - Key type / groove | on request | | | | | | | | | | | | | |

Design acc. to data sheet

[1] Compression proof

Special flange drilling on request

Certifications on page 205.

# ARI-REYCO RL Series Fig.966/968/969

**Safety relief valves acc. to ASME Code Section VIII-Division 1. UV-stamp NB-stamp**

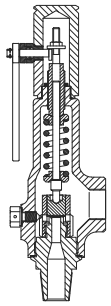


Fig. 39.966

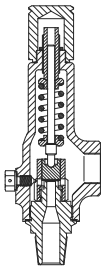


Fig. 39.968

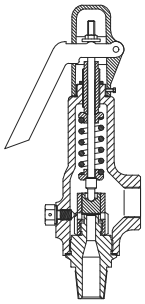


Fig. 39.969

## Body and bonnet of SA216WCC, Spring of Chrome-Vanadium

NPS 1/2x1 - 2x2, ANSI 1500
NPS 3/4x2 - 1x2, ANSI 2500
**Temperature range: up to 343°C / 650°F**

**Optional with flanges:**
**ANSI 150/150, ANSI 300/(150)300, ANSI 600/(150)300, ANSI 900/300, ANSI 1500/300, ANSI 2500/300 or socket ends, butt-weld ends, page 158 (Additional performance)**

Optional: Spring of Inconel up to 399°C / 750°F (refer to page 158 Additional performance)

| RL 14 Series | | Inlet: Male NPT / Outlet: Female NPT | | | | | |
|---|---|---|---|---|---|---|---|
| ANSI 1500 | NPS | 1/2 x 1 | 3/4 x 1 | 1x1 | 1/2 x 1 | 3/4 x 1 | 1 x 1 |
| | Orifice (not acc. to API) | A (0,078 in²) | | | D (0,122 in²) | | |
| closed bonnet | closed lifting device Fig.39.966 | 664,- | 697,- | 697,- | 664,- | 697,- | 697,- |
| | gastight cap Fig.39.968 | 502,- | 502,- | 535,- | 502,- | 502,- | 535,- |
| | open lifting device Fig.39.969 | 579,- | 579,- | 612,- | 579,- | 579,- | 612,- |

| RL 40 Series | | Inlet: Female NPT / Outlet: Female NPT | | | |
|---|---|---|---|---|---|
| ANSI 1500 | NPS | 3/4 x 1 | 1 x 1 1/2 | 1 1/2 x 2 | 2 x 2 |
| | Orifice (not acc. to API) | B (0,152 in²) | C (0,235 in²) | G (0,563 in²) | |
| closed bonnet | closed lifting device Fig.39.966 | 876,- | 1.342,- | 1.379,- | 1.487,- |
| | gastight cap Fig.39.968 | 581,- | 1.047,- | 1.083,- | 1.192,- |
| | open lifting device Fig.39.969 | 721,- | 1.187,- | 1.225,- | 1.331,- |

| RL 41 Series | | Inlet: Female NPT / Outlet: Female NPT | |
|---|---|---|---|
| ANSI 2500 | NPS | 3/4 x 2 | 1 x 2 |
| | Orifice (not acc. to API) | B (0,152 in²) | C (0,235 in²) |
| closed bonnet | closed lifting device Fig.3c.966 | 1.311,- | 1.452,- |
| | gastight cap Fig.3c.968 | 1.016,- | 1.157,- |
| | open lifting device Fig.3c.969 | 1.157,- | 1.297,- |

Design acc. to data sheet

**Further connections (socket ends / butt-weld ends / flanges) refer to page 158.**
Additional performance on page 158.
Certifications on page 205.

**Order data:** 1. Figure-No.; 2. Nominal pipe size (NPS); 3. Nominal pressure (Class); 4. Body material; 5. Orifice (Area); 6. Set gauge pressures; 7. Special design / accessories

# ARI-REYCO RL Series Fig.966/968

**Safety relief valves acc. to**
**ASME Code Section VIII-Division 1.**
**UV-stamp NB-stamp**

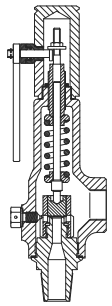


Fig. 59.966

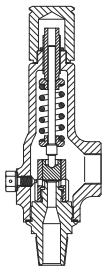


Fig. 59.968

## Body and bonnet of SA351CF8M
## Spring of stainless steel

NPS 1/2x1 - 2x2, ANSI 1500
NPS 3/4x2 - 1x2, ANSI 2500
**Temperature range: up to 399°C / 750°F**

**Optional with flanges:**
**ANSI 150/150, ANSI 300/(150)300, ANSI 600/(150)300,**
**ANSI 900/300, ANSI 1500/300, ANSI 2500/300**
**or socket ends, butt-weld ends, page 158 (Additional performance)**

Optional: Spring of Inconel
up to 399°C / 750°F
(refer to page 158 Additional performance)

| **RL 14 Series** | | **Inlet: Male NPT / Outlet: Female NPT** | | | | | |
|---|---|---|---|---|---|---|---|
| **ANSI 1500** | **NPS** | **1/2 x 1** | **3/4 x 1** | **1x1** | **1/2 x 1** | **3/4 x 1** | **1 x 1** |
| | **Orifice** (not acc. to API) | **A (0,078 in²)** | | | **D (0,122 in²)** | | |
| closed bonnet | closed lifting device **Fig.59.966** | 1.060,- | 1.060,- | 1.113,- | 1.060,- | 1.060,- | 1.113,- |
| | gastight cap **Fig.59.968** | 868,- | 868,- | 982,- | 868,- | 868,- | 982,- |

| **RL 40 Series** | | **Inlet: Female NPT / Outlet: Female NPT** | | | |
|---|---|---|---|---|---|
| **ANSI 1500** | **NPS** | **3/4 x 1** | **1 x 1 1/2** | **1 1/2 x 2** | **2 x 2** |
| | **Orifice** (not acc. to API) | **B (0,152 in²)** | **C (0,235 in²)** | **G (0,563 in²)** | |
| closed bonnet | closed lifting device **Fig.59.966** | 1.871,- | 2.910,- | 2.948,- | 3.223,- |
| | gastight cap **Fig.59.968** | 1.576,- | 2.617,- | 2.654,- | 2.930,- |

| **RL 41 Series** | | **Inlet: Female NPT / Outlet: Female NPT** | |
|---|---|---|---|
| **ANSI 2500** | **NPS** | **3/4 x 2** | **1 x 2** |
| | **Orifice** (not acc. to API) | **B (0,152 in²)** | **C (0,235 in²)** |
| closed bonnet | closed lifting device **Fig.5c.966** | 2.305,- | 2.641,- |
| | gastight cap **Fig.5c.968** | 2.151,- | 2.488,- |

Design acc. to data sheet

**Further connections (socket ends / butt-weld ends / flanges) refer to page 158.**
Additional performance on page 158.
Certifications on page 205.

**Order data:** 1. Figure-No.; 2. Nominal pipe size (NPS); 3. Nominal pressure (Class); 4. Body material; 5. Orifice (Area); 6. Set gauge pressures; 7. Special design / accessories

# ARI-REYCO RL Series Fig.966/968/969

## Additional performance

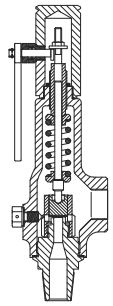


Fig. 39.966

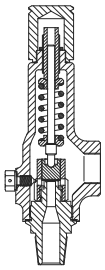


Fig. 39.968

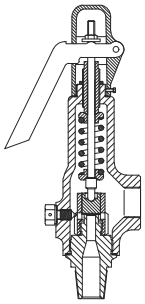


Fig. 39.969

| additional performance | | | RL 14 | | | RL 40 / RL 41 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NPS | | | 1/2 x 1 | 3/4 x 1 | 1 x 1 | 3/4 x 1 | 3/4 x 2 | 1 x 1 1/2 | 1 1/2 x 2 | 1 x 2 | 2 x 2 |
| Orifice (not acc. to API) | | | A / D (0,078 in$^2$ / 0,122 in$^2$) | | | B / C / G (0,152 in$^2$ / 0,235 in$^2$ / 0,563 in$^2$) | | | | | |
| springs of stainless steel | | | 185,- | | | 381,- | | | | | |
| spring of Inconel | | | 195,- | | | | | 399,- | | | |
| disc stellited | | | 367,- | | | | | 392,- | | | |
| nozzle stellited | | | 367,- | | | | | 392,- | | | |
| soft sealing disc | | Chemraz -20°F up to 450°F | 298,- | | | | | | | | |
| | | Alfas -20°F up to 500°F | 298,- | | | | | | | | |
| | | Fluoraz -20°F up to 500°F | 298,- | | | | | | | | |
| | | Kalrez® -20°F up to 550°F | 298,- | | | | | | | | |
| | | BUNA-N -65°F up to 275°F | 73,- | | | | | | | | |
| | | EPR -65°F up to 325°F | 73,- | | | | | | | | |
| | | Viton® -65°F up to 400°F | 73,- | | | | | | | | |
| | | Silicone -150°F up to 450°F | 73,- | | | | | | | | |
| test gag | | | 111,- | | | | | | | | |
| Cast steel SA216WCC | male thread NPT (Inlet) | | standard | | | on request | | | | | |
| | female thread NPT (Inlet or Outlet) | | 499,- | | | standard | | | | | |
| | socket weld end (Inlet or Outlet) | | 353,- | | | | | | | | |
| | butt-weld end (Inlet or Outlet) | | 430,- | | | | | | | | |
| Stainless steel SA351CF8M | male thread NPT (Inlet) | | standard | | | on request | | | | | |
| | female thread NPT (Inlet or Outlet) | | 578,- | | | standard | | | | | |
| | socket weld end (Inlet or Outlet) | | 353,- | | | | | | | | |
| | butt-weld end (Inlet or Outlet) | | 430,- | | | | | | | | |
| Cast steel SA216WCC | Flanges | ANSI 150 / 150 RF | 788,- | | | 867,- | -- | 1.048,- | 1.165,- | -- | 1.181,- |
| | | ANSI 300 / 150 RF | 873,- | | | 951,- | -- | 1.053,- | 1.209,- | -- | 1.244,- |
| | | ANSI 300 / 300 RF | 956,- | | | -- | -- | 1.167,- | 1.273,- | -- | -- |
| | | ANSI 600 / 150 RF | 978,- | | | 978,- | -- | 1.224,- | 1.315,- | -- | 1.336,- |
| | | ANSI 600 / 300 RF | 1.061,- | | | -- | -- | -- | 1.379,- | -- | -- |
| | | ANSI 900 / 300 RF | 1.159,- | | | 1.229,- | -- | -- | -- | 1.345,- | -- |
| | | ANSI 1500 / 300 RF | 1.159,- | | | 1.229,- | 1.335,- | 1.376,- | 1.481,- | -- | 1.499,- |
| | | ANSI 2500 / 300 RF | -- | | | -- | 1.473,- | -- | -- | 1.548,- | -- |
| Stainless steel SA351CF8M | | ANSI 150 / 150 RF | 1.010,- | | | 1.059,- | -- | 1.318,- | 1.621,- | -- | 1.770,- |
| | | ANSI 300 / 150 RF | 1.092,- | | | 1.171,- | -- | 1.426,- | 1.677,- | -- | 1.800,- |
| | | ANSI 300 / 300 RF | 1.173,- | | | -- | -- | 1.481,- | 1.706,- | -- | -- |
| | | ANSI 600 / 150 RF | 1.271,- | | | 1.263,- | -- | 1.521,- | 1.782,- | -- | 1.800,- |
| | | ANSI 600 / 300 RF | 1.352,- | | | -- | -- | -- | 1.812,- | -- | -- |
| | | ANSI 900 / 300 RF | 1.452,- | | | 1.552,- | -- | -- | -- | 1.905,- | -- |
| | | ANSI 1500 / 300 RF | 1.452,- | | | 1.552,- | 1.728,- | 1.760,- | 1.980,- | -- | 1.992,- |
| | | ANSI 2500 / 300 RF | -- | | | -- | 1.980,- | -- | -- | 2.491,- | -- |
| additional to option "Flanges" | Inlet | RTJ | 155,- | | | | | 261,- | | | |
| | Outlet | RTJ | on request | | | | | | | | |
| | Inlet | Key type / groove | 369,- | | | | | | | | |
| | Outlet | Key type / groove | on request | | | | | | | | |

Design acc. to data sheet
Special flange drilling on request
Certifications on page 205.

**Notes**:

# ARI-SAFE Combi-C Changeover valve

**Suitable for a combination with safety valves.**

DN25-250

PN 16-40 -10°C up to 425°C
cast steel 1.0619+N
PN 16-40 -60°C up to 400°C
stainless steel 1.4408 L

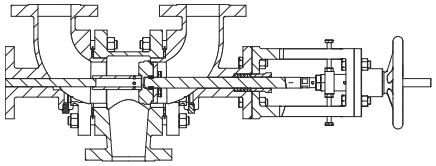


**Fig. Z10-22**

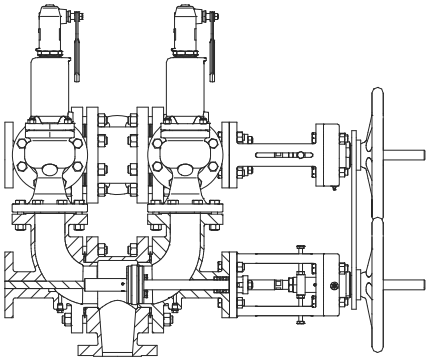


**Fig. Z10-24**

| | | | | DN | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 25 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
| Inlet Design Type 60 | 1.0619 | PN 16 | Fig. Z10-22 | on request | | | | | | | | |
| | | PN 40 | | | | | | | | | | |
| | 1.4408 | PN 16 | | | | | | | | | | |
| | | PN 40 | | | | | | | | | | |
| Inlet/outlet Design Type 69 | 1.0619 | PN 16 | Fig. Z10-24 | on request | | | | | | | | |
| | | PN 40 | | | | | | | | | | |
| | 1.4408 | PN 16 | | | | | | | | | | |
| | | PN 40 | | | | | | | | | | |

| additional performance | DN | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 20 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
| Bellows seal design Type 60 Fig. Z10-21 | on request | | | | | | | | |
| Bellows seal design Type 69 Fig. Z10-23 | | | | | | | | | |

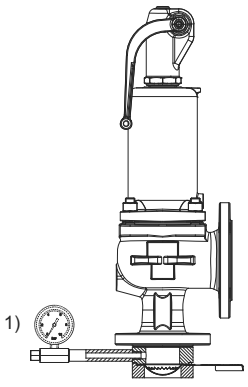
Design acc. to data sheet

# ARI-SAFE Combi-R Rupture disc

**Suitable for a combination with safety valves.**

DN 20-250
PN 16-40

Rupture disc stainless steel 1.4401 / 1.4404
Holder stainless steel 1.4571
Hastelloy, Titanium, Tantalum, Monel, Nickel on request




**BT-KUB**

| | | | | DN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 |
| Typ BT-KUB | Rupture disc **1.4401/1.4404** / Holder **1.4571** | PN 16 | BT-KUB | on request | | | | | | | | | | | |
| | | PN 40 | | | | | | | | | | | | | |
| Excess flow valve unit G 1/4" 1.4404 / 1.4571 [1] | | | | on request | | | | | | | | | | | |

Design acc. to data sheet
[1] Standard execution without manometer

# ARI-REYCO Combi-C Changeover valve

**Suitable for a combination with safety valves.**

NPS 1"-10"

ANSI150-300 -20°F up to 797°F
cast steel SA216WCB
ANSI150-300 -75°F up to 750°F
stainless steel SA351CF8M

SA352LCB / SA352LCC on request

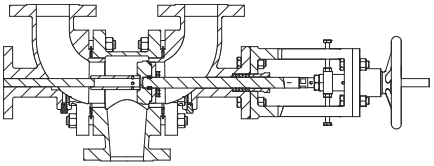


**Fig. Z10-22...90**

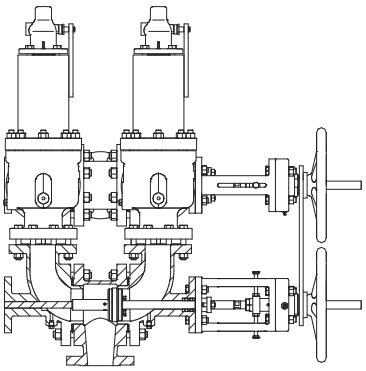


**Fig. Z10-24....90**

| | | | | NPS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 5" | 6" | 8" | 10" |
| Inlet Design Type 60 | SA216WCB | ANSI 150 | Fig. Z10-22....90 | on request | | | | | | | | | |
| | | ANSI 300 | | | | | | | | | | | |
| | SA351CF8M | ANSI 150 | | | | | | | | | | | |
| | | ANSI 300 | | | | | | | | | | | |
| Inlet/outlet Design Type 69 | SA216WCB | ANSI 150 | Fig. Z10-24....90 | on request | | | | | | | | | |
| | | ANSI 300 | | | | | | | | | | | |
| | SA351CF8M | ANSI 150 | | | | | | | | | | | |
| | | ANSI 300 | | | | | | | | | | | |

| additional performance | NPS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 5" | 6" | 8" | 10" |
| Bellows seal design Type 60 Fig. Z10-21....90 | on request | | | | | | | | | |
| Bellows seal design Type 69 Fig. Z10-23....90 | | | | | | | | | | |

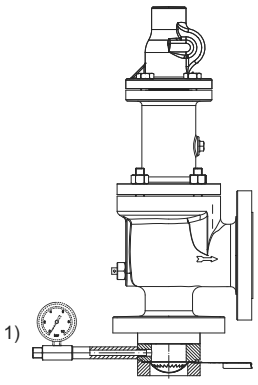
Design acc. to data sheet

# ARI-REYCO Combi-R Rupture disc

**Suitable for a combination with safety valves.**

ANSI150-600
NPS 3/4" - 10"

Rupture disc stainless steel SA479Gr.316L
Holder stainless steel SA479Gr.316L
Hastelloy, Titanium, Tantalum, Monel, Nickel on request




**BT-KUB**

| | | | | NPS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 2" | 6" | 8" | 10" |
| Typ BT-KUB | Rupture disc / Holder SA479Gr.316L | ANSI 150 | BT-KUB | on request | | | | | | | | | | | |
| | | ANSI 300 | | | | | | | | | | | | | |
| | | ANSI 600 | | | | | | | | | | | | | |
| Excess flow valve unit G 1/4" SA479Gr.316L[1)] | | | | on request | | | | | | | | | | | |

Design acc. to data sheet

[1)] Standard execution without manometer

**Notes**:

**Example: Figure-No.-Code**

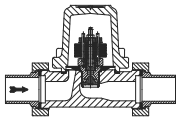
1260000401....

| | |
|---|---|
| Body material | 1. Position |
| Nominal pressure | 2. Position |
| Type of steam trap | 3.-5. Position |
| Nominal diameter | 6.-9. Position |
| Type of connection | 10. Position |
| Version / Control element | 11.-14. Position |

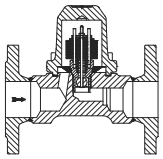
# ARI-CONA®B Bimetallic steam traps

## For the discharge of condensate sub-cooled between 10 and 30 K

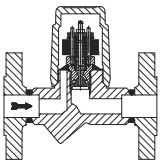
| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 600/601....1 |
| Screwed sockets (Rp- and NPT) | 600/601....2 |
| Socket weld ends | 600/601....3 |
| Butt weld ends | 600/601....4 |
| Union butt-weld ends | 600....5 |



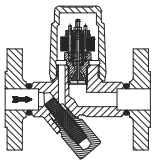
**BR 600....5**
(inside strainer)



**BR 600....1 DN40-50**
(inside strainer)



**BR 600....1**
(inside strainer)



**BR 601....1** (outside strainer)
(for add. costs refer to add. perform.)

| | | | | | DN - NPS | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Figure | Controller | 15 - 1/2" | 20 - 3/4" | 25 - 1" | 40 - 1 1/2" | 50 - 2" |
| PN 16 | inside strainer | EN-JL1040 | 12.600....1 | R13 | -- | -- | 213,- | -- | 730,- |
| | | | 12.600....5 | | 169,- | 169,- | -- | -- | -- |
| PN 40 | | 1.0460 | 45.600....1 | R13 R22 R32 | 254,- | 254,- | 254,- | 933,- | 996,- |
| | | | 45.600....2 | | 223,- | 223,- | 223,- | 862,- | 883,- |
| | | | 45.600....3/4 | | 232,- | 232,- | 232,- | 907,- | 971,- |
| | | 16Mo3 | 85.600....1 | R13 R22 R32 | 430,- | 430,- | 430,- | 1.258,- | 1.408,- |
| | | | 85.600....2 | | 386,- | 386,- | 386,- | 1.098,- | 1.229,- |
| | | | 85.600....3/4 | | 394,- | 394,- | 394,- | 1.156,- | 1.294,- |
| | | 1.4541 | 55.600....1 | R13 R22 R32 | 518,- | 528,- | 541,- | 1.872,- | 2.005,- |
| | | | 55.600....2 | | 427,- | 427,- | 427,- | 1.827,- | 1.959,- |
| | | | 55.600....3/4 | | 430,- | 430,- | 430,- | 1.843,- | 1.985,- |

| Additional performance | | DN - NPS | | | | |
|---|---|---|---|---|---|---|
| | | 15 - 1/2" | 20 - 3/4" | 25 - 1" | 40 - 1 1/2" | 50 - 2" |
| Blow down valve with integrated strainer (only BR 601, not EN-JL1040) | | 43,- | 43,- | 43,- | 120,- | 120,- |
| Ball valve as blow down valve (only BR 601, restricted to 16 bar, 210 °C) | | 72,- | 72,- | 72,- | 182,- | 182,- |
| **Version with outside strainer** (not for EN-JL1040) | Figure 45.601 and Figure 85.601 | 21,- | 21,- | 21,- | 52,- | 52,- |
| | Figure 55.601 | 21,- | 21,- | 21,- | 78,- | 78,- |

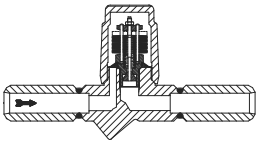
Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

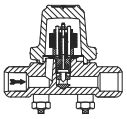
# ARI-CONA®B High pressure bimetallic steam traps

## For the discharge of condensate sub-cooled between 10 and 30 K

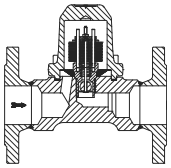
| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 600....1 |
| Socket weld ends | 600....3 |
| Butt weld ends | 600....4 |



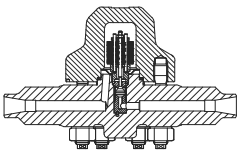
**BR 600....4**
**PN 63 (R46)**
(inside strainer)



**BR 600....4**
**PN 63 (R56) - PN 250**
(inside strainer)



**BR 600....1**
**PN 63 DN50**
(inside strainer)



**BR 600....4**
**PN 320/400/630**
(inside strainer)

| | | | Figure | Controller | DN - NPS 15 - 1/2" | 20 - 3/4" | 25 - 1" | 40 - 1 1/2" | 50 - 2" |
|---|---|---|---|---|---|---|---|---|---|
| PN 63 | inside strainer | 16Mo3 (1.5415) | 86.600....1 | R46 | 713,- | 713,- | 713,- | -- | -- |
| | | | 86.600....3/4 | | 662,- | 662,- | 662,- | -- | -- |
| | | | 86.600....1 | R56 | 950,- | 950,- | 950,- | 2.520,- | 2.529,- |
| | | | 86.600....3/4 | | 883,- | 883,- | 883,- | 1.773,- | 1.784,- |
| PN 100 | | 16Mo3 (1.5415) | 87.600....1 | R90 | 1.567,- | 1.567,- | 1.567,- | -- | -- |
| | | | 87.600....3/4 | | 1.314,- | 1.314,- | 1.314,- | -- | -- |
| PN 160 | | 13CrMo4-5 (1.7335) | 88.600....1 | R130 | 1.951,- | -- | 1.951,- | -- | -- |
| | | | 88.600....3/4 | | 1.548,- | 1.548,- | 1.548,- | -- | -- |
| PN 250 | | 10CrMo9-10 (1.7380) | 89.600....1 | R150 | 2.660,- | -- | 2.660,- | -- | -- |
| | | | 89.600....3/4 | | 2.193,- | 2.193,- | 2.193,- | -- | -- |
| PN 630 / 400 / 320 | | 10CrMo9-10 (1.7380) | 8a./8b.600....1 | R270 | 3.936,- | -- | 3.936,- | -- | -- |
| | | | 8a./8b./8c.600....3/4 | | 3.037,- | 3.037,- | 3.037,- | -- | -- |
| | | X10CrMoVNb9-1 (1.4903) | 8a./8b./8c.600....3/4 | | 4.923,- | 4.923,- | 4.923,- | -- | -- |
| | | X10CrWMoVNb 9-2 (1.4901) | 8a./8b./8c.600....3/4 | R320 | 7.951,- | 7.951,- | 7.951,- | -- | -- |

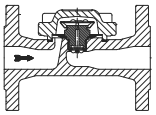
Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

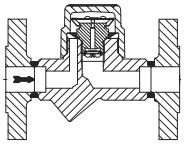
# ARI-CONA®M Thermostatic steam traps

## For the discharge of condensate sub-cooled up to 40 K

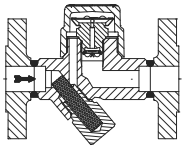
| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 610/612....1 |
| | 611/613....1 |
| Screwed sockets (Rp- and NPT) | 610/612....2 |
| | 611/613....2 |
| Socket weld ends | 610/612....3 |
| | 611/613....3 |
| Butt weld ends | 610/612....4 |
| | 611/613....4 |
| Union butt-weld ends | 610....5 |



**BR 610....1 PN16**
(inside strainer)

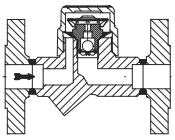


**BR 610....1**
(inside strainer)

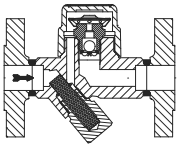


**BR 612....1**
(outside strainer)

(for add. costs for outside strainer refer to add. perform)



**BR 611....1**
(inside strainer)



**BR 613....1**
(outside strainer)

| | | | | | DN - NPS | | |
|---|---|---|---|---|---|---|---|
| | | | Figure | Controller | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
| PN 16 | inside strainer | EN-JL1040 | 12.610....1 | R5 R13 | -- | -- | 172,- |
| | | | 12.610....5 | | 149,- | 149,- | -- |
| PN 40 | | 1.0460 | 45.611....1 | R32 | 247,- | 247,- | 247,- |
| | | | 45.611....2 | | 208,- | 208,- | 208,- |
| | | | 45.611....3/4 | | 215,- | 215,- | 215,- |
| | | 1.4541 | 55.611....1 | R32 | 480,- | 494,- | 502,- |
| | | | 55.611....2 | | 409,- | 409,- | 409,- |
| | | | 55.611....3/4 | | 418,- | 418,- | 418,- |
| | | 16Mo3 | 85.611....1 | R32 | 347,- | 347,- | 347,- |
| | | | 85.611....2 | | 291,- | 291,- | 291,- |
| | | | 85.611....3/4 | | 299,- | 299,- | 299,- |
| | | 1.0460 | 45.610....1 | R5 R22 | 247,- | 247,- | 247,- |
| | | | 45.610....2 | | 208,- | 208,- | 208,- |
| | | | 45.610....3/4 | | 215,- | 215,- | 215,- |
| | | 1.4541 | 55.610....1 | R5 R22 | 480,- | 494,- | 502,- |
| | | | 55.610....2 | | 409,- | 409,- | 409,- |
| | | | 55.610....3/4 | | 418,- | 418,- | 418,- |

| Additional performance | | DN - NPS | | |
|---|---|---|---|---|
| | | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
| Blow down valve with integrated strainer (only BR 612/613, not EN-JL1040) | | 43,- | 43,- | 43,- |
| Ball valve as blow down valve (only BR 612/613, restricted to 16 bar, 210 °C) | | 72,- | 72,- | 72,- |
| **Version with outside strainer** (not for EN-JL1040) | Figure 45.612 / 613 and Figure 85.612 / 613 | 21,- | 21,- | 21,- |
| | Figure 55.612 / 613 | 21,- | 21,- | 21,- |

Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

**Please indicate the type of controller and capsule in your order, e.g. R13.**

Capsule No. 1 - for condensate discharge at boiling temperature - only applicable to Series 610 / 612 R5 up to 5 bar inlet pressure
Capsule No. 2 - for condensate sub-cooling about approx. 10K (Standard)
Capsule No. 3 - for condensate sub-cooling about approx. 30K
Capsule No. 4 - for condensate sub-cooling about approx. 40K - only applicable to Series 610/612 up to 16 bar inlet pressure, especially suitable for tracing systems with low and medium pressure steam

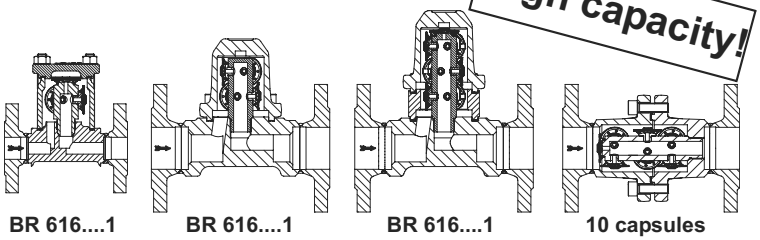
# ARI-CONA®M Multi-capsule thermostatic steam traps

## For the discharge of condensate sub-cooled up to 40 K

High capacity!



| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 616....1 |
| Screwed sockets (Rp- and NPT) | 616....2 |
| Socket weld ends | 616....3 |
| Butt weld ends | 616....4 |



BR 616....1 4 capsules | BR 616....1 6 capsules | BR 616....1 10 capsules | 10 capsules In-line design

| | | | | | DN - NPS | | |
|---|---|---|---|---|---|---|---|
| | | | Figur | Controller | 25 - 1" | 40 - 1 1/2" | 50 - 2" |
| PN 40 | without strainer | 1.0460 4 capsules | 45.616....1..4K2 | R32 | 381,- | -- | -- |
| | | | 45.616....2..4K2 | | 352,- | -- | -- |
| | | | 45.616....3/4..4K2 | | 360,- | -- | -- |
| | | 1.0460 6 capsules (standard) | 45.616....1..6K2 | R32 | -- | 939,- | 1.044,- |
| | | | 45.616....2..6K2 | | -- | 877,- | 974,- |
| | | | 45.616....3/4..6K2 | | -- | 890,- | 990,- |
| | | 1.0460 10 capsules | 45.616....1..10K2 | R32 | -- | 1.273,- | 1.415,- |
| | | | 45.616....2..10K2 | | -- | 1.173,- | 1.306,- |
| | | | 45.616....3/4..10K2 | | -- | 1.195,- | 1.326,- |
| | | 1.0460 10 capsules (In-line design) | 45.616....1..10K2 | R32 | -- | 1.117,- | 1.241,- |

**Standard capsule = capsule-No. 2.**

**1.4541 on request.**

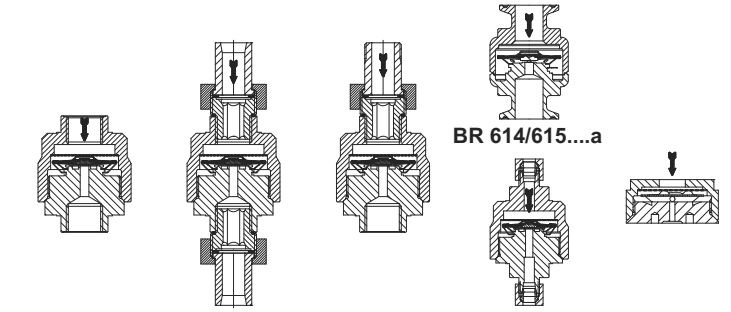
Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

# ARI-CONA®M Thermostatic steam traps

## For the discharge of condensate sub-cooled up to 40 K and thermal air vent for gas systems

| Types of connection: | BR |
|---|---|
| Screwed sockets (Rp- and NPT) | 614/615....2 |
| Union butt-weld ends | 614....5 |
| Screwed male / Screwed female (Rp) | 614....9 |
| Clamp connection (DIN32676 or BS4825-3) | 614....a / 615....a |
| Compression ring connection | 614....c |
| Wafer pattern | 619....6 |



BR 614/615....2 | BR 614....5 | BR 614....9 | BR 614/615....a / BR 614....c | BR 619....a

| | | | | | DN - NPS | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Figure | Controller | 8 - 1/4" | 10 - 3/8" | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
| PN 16 | inside strainer | 1.4305 | 52.614....a | R32 | -- | -- | 331,- | 331,- | 331,- |
| | | 1.4301 | 52.615....a | | -- | -- | 280,- | 280,- | 280,- |
| PN 40 | | 1.4305 | 55.614....2 | R32 | 194,- | 194,- | 194,- | 194,- | 208,- |
| | | | 55.614....5 | | 215,- | 215,- | 215,- | -- | -- |
| | | | 55.614....9 | | -- | -- | 215,- | 215,- | -- |
| | | | 55.614....c | | 227,- | -- | -- | -- | -- |
| | | 1.4301 | 55.615....2 | R32 | 164,- | 164,- | 164,- | -- | -- |
| | | 1.4305 | 55.619....6 | R21 | -- | -- | 148,- | 154,- | 160,- |

| Additional performance | DN - NPS | | | | |
|---|---|---|---|---|---|
| | 8 - 1/4" | 10 - 3/8" | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
| Drip pipe when used as air vent | on request | | | | |

**Please indicate the type of capsule in your order (standard capsule = capsule-No. 2).**

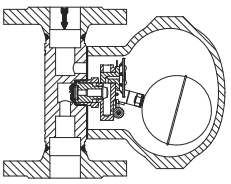
Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

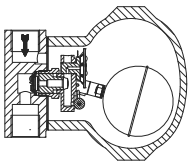
# ARI-CONA®SC Ball float steam traps

## For discharge of condensate at boiling temperature

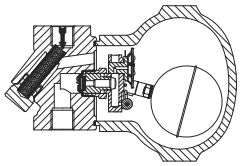
| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 634....1 |
| Screwed sockets (Rp- and NPT) | 634....2 |
| Socket weld ends | 634....3 |
| Butt weld ends | 634....4 |



**BR 634....1**
**PN16/25**



**BR 634....2**
**PN16/25**



**BR 634....2 (Y)**
**PN40**

**CONA®SC**
**CONA®SC -Plus**

**Standard installation: vertical (Inlet from above)**
For horizontal installation,
please indicate inlet (left or right).

| | | | | | DN - NPS | | |
|---|---|---|---|---|---|---|---|
| | | | Figure | Controller | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
| PN 16 | without strainer | Body **1.0460 /** Hood **EN-JS1049** | **42.634....1** | **R4 R14** | 361,- | 361,- | 361,- |
| | | | **42.634....2** | | 267,- | 267,- | 267,- |
| | | | **42.634....3/4** | | 307,- | 307,- | 307,- |
| PN 25 | | Body **1.0460 /** Hood **1.0619+N** | **44.634....1** | **R4 R14 R21** | 375,- | 375,- | 375,- |
| | | | **44.634....2** | | 349,- | 349,- | 349,- |
| | | | **44.634....3/4** | | 367,- | 367,- | 367,- |
| PN 25 | | Body **1.4541 /** Hood **1.4308** | **54.634....1** | **R4 R14 R21** | 807,- | 807,- | 807,- |
| | | | **54.634....2** | | 709,- | 709,- | 709,- |
| | | | **54.634....3/4** | | 750,- | 750,- | 750,- |
| PN 40 | outside strainer | Body **1.0460 /** Hood **1.0619+N** | **45.634....1** | **R4 R14 R21 R32** | 568,- | 568,- | 568,- |
| | | | **45.634....2** | | 482,- | 482,- | 482,- |
| | | | **45.634....3/4** | | 501,- | 501,- | 501,- |
| PN 40 | | Body **1.4541 /** Hood **1.4308** | **55.634....1** | **R4 R14 R21 R32** | 976,- | 976,- | 976,- |
| | | | **55.634....2** | | 807,- | 807,- | 807,- |
| | | | **55.634....3/4** | | 844,- | 844,- | 844,- |

| Additional performance | DN - NPS | | |
|---|---|---|---|
| | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
| Ball valve as blow down valve (restric. to 16 bar, 210°C) | 72,- | 72,- | 72,- |

Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

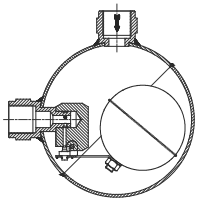
Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

**Please indicate the type of controller in your order, e.g. R4.**

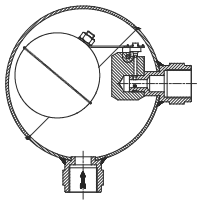
# ARI-CONA®SC Ball float steam traps

## For discharge of condensate

| Types of connection: | BR |
|---|---|
| Screwed sockets (Rp- and NPT) | 629....2 |



BR 629....2



Also as automatic air vent with inlet from the bottom useable (refer to Fig. 656 on page 182)

| | | | | R- / NPT |
|---|---|---|---|---|
| | | Figure | Controller | 1/2" |
| PN 16 | 1.4301 | 52.629....2 | R5<br>R13 | 286,- |

Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

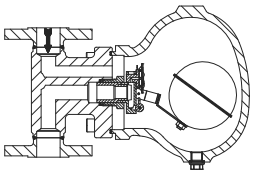
Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

# ARI-CONA®SC-Plus Ball float steam traps

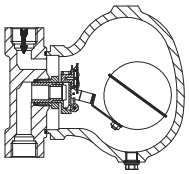
## For discharge of condensate at boiling temperature

| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 635....1 |
| Screwed sockets (Rp- and NPT) | 635....2 |

**Standard installation: vertical (Inlet from above)**
For horizontal installation,
please indicate inlet (left or right).



BR 635....1



BR 635....2

| | | | | DN - NPS |
|---|---|---|---|---|
| | | Figure | Controller | 25 - 1" |
| PN 16 | Body **EN-JL1040** / Hood **EN-JL1040** | 12.635....1 | R5<br>R10<br>R14 | 560,- |
| | | 12.635....2 | | 515,- |
| PN 40 | Body **EN-JS1049** / Hood **EN-JS1049** | 25.635....1 | | 708,- |
| | | 25.635....2 | | 652,- |
| | Body **1.0460** / Hood **1.0619+N** | 45.635....1 | | 1.062,- |
| | | 45.635....2 | | 953,- |
| | Body **1.4541** / Hood **1.4308** | 55.635....1 | | 2.458,- |
| | | 55.635....2 | | 2.366,- |

High capacity!

Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

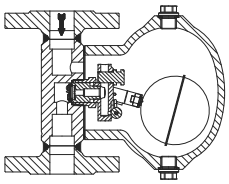
**Please indicate the type of controller in your order, e.g. R5.**

# ARI-CONA®SC Ball float steam traps

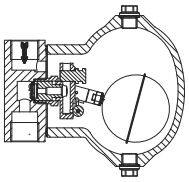
## For discharge of water from compressed air and gas
**(acc. to PED 2014/68/EU fluid group 2, other fluid groups on request)**

| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 636....1 |
| Screwed sockets (Rp- and NPT) | 636....2 |
| Socket weld ends | 636....3 |
| Butt weld ends | 636....4 |

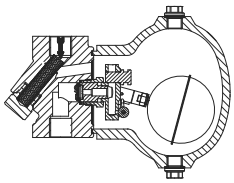
**Standard installation: vertical (Inlet from above)**
For horizontal installation, please indicate inlet (left or right), recovery pipe for PN40 recommended.



**BR 636....1**
**PN16/25**



**BR 636....2**
**PN16/25**



**BR 636....2 (Y)**
**PN40**

| | | | | | DN - NPS | | |
|---|---|---|---|---|---|---|---|
| | | | Figure | Controller | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
| PN 16 | without strainer | Body 1.0460 / Hood EN-JS1049 | 42.636....1 | R4 R14 | 355,- | 355,- | 355,- |
| | | | 42.636....2 | | 264,- | 264,- | 264,- |
| | | | 42.636....3/4 | | 305,- | 305,- | 305,- |
| PN 25 | | Body 1.0460 / Hood 1.0619+N | 44.636....1 | R4 R14 R21 | 384,- | 384,- | 384,- |
| | | | 44.636....2 | | 333,- | 333,- | 333,- |
| | | | 44.636....3/4 | | 361,- | 361,- | 361,- |
| PN 25 | | Body 1.4541 / Hood 1.4308 | 54.636....1 | R4 R14 R21 | 737,- | 737,- | 737,- |
| | | | 54.636....2 | | 647,- | 647,- | 647,- |
| | | | 54.636....3/4 | | 687,- | 687,- | 687,- |
| PN 40 | outside strainer | Body 1.0460 / Hood 1.0619+N | 45.636....1 | R4 R14 R21 R32 | 511,- | 511,- | 511,- |
| | | | 45.636....2 | | 436,- | 436,- | 436,- |
| | | | 45.636....3/4 | | 469,- | 469,- | 469,- |
| PN 40 | | Body 1.4541 / Hood 1.4308 | 55.636....1 | | 940,- | 940,- | 940,- |
| | | | 55.636....2 | | 777,- | 777,- | 777,- |
| | | | 55.636....3/4 | | 814,- | 814,- | 814,- |

| Additional performance | DN - NPS | | |
|---|---|---|---|
| | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
| Soft sealing ball FPM (Viton); max. 120°C | 39,- | 39,- | 39,- |

Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

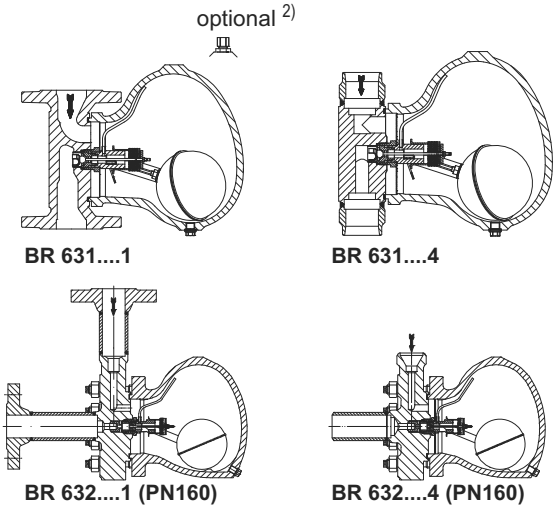
**Please indicate the type of controller in your order (e.g. R4).**

# ARI-CONA®S Ball float steam traps

## For discharge of condensate at boiling temperature

| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 631/632....1 |
| Screwed sockets (Rp- and NPT) | 631....2 |
| Socket weld ends | 631....3 |
| Butt weld ends | 631/632....4 |

**Standard installation: vertical (Inlet from above)**
For horizontal installation,
please indicate inlet (left or right).




| | | | | | DN - NPS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Figure | Controller | 15 - 1/2" | 20 - 3/4" | 25 - 1" | 40 - 1 1/2" | 50 - 2" | 65 - 2 1/2" | 80 - 3" | 100 - 4" |
| PN 16 | Body / Hood EN-JL1040 | I82 | 12.631....1 | R4 R8 R13 | 456,- | 500,- | 562,- | 1.077,- 1) | 1.163,- 1) | -- | -- | -- |
| | | | 12.631....2 | | 417,- | 457,- | 518,- | 968,- 1) | -- | -- | -- | -- |
| PN 40 | Body / Hood EN-JS1049 | | 25.631....1 | | 583,- | 633,- | 710,- | 1.317,- 1) | 1.405,- 1) | -- | -- | -- |
| | | | 25.631....2 | only DN40-100: R4-S R8-S R13-S | 542,- | 571,- | 654,- | 1.189,- 1) | -- | -- | -- | -- |
| | Body 1.0460 / Hood 1.0619+N | | 45.631....1 | | 992,- | 1.009,- | 1.066,- | 2.030,- 1) | 2.187,- 1) | 2.456,- 1) | 3.033,- 1) | 3.386,- 1) |
| | | | 45.631....2 | | 861,- | 897,- | 955,- | 1.748,- 1) | 1.893,- 1) | -- | -- | -- |
| | | | 45.631....3/4 | | 861,- | 897,- | 955,- | 1.748,- 1) | 1.893,- 1) | -- | -- | -- |
| | Body 1.4541 / Hood 1.4308 | | 55.631....1 | only PN40: R22 R32 | 2.347,- | 2.398,- | 2.463,- | 4.755,- 1) | 5.526,- 1) | -- | -- | -- |
| | | | 55.631....2 | | 2.271,- | 2.303,- | 2.366,- | 4.646,- 1) | 5.413,- 1) | -- | -- | -- |
| | | | 55.631....3/4 | | 2.335,- | 2.390,- | 2.414,- | 4.688,- 1) | 5.434,- 1) | -- | -- | -- |
| PN 63 | Body 16Mo3 / Hood GS-17CrMo55 | I83 | 86.631....1 | R50 | 2.049,- | 2.116,- | 2.182,- | 3.137,- | 3.255,- | -- | -- | -- |
| | | | 86.631....4 | | 1.773,- | 1.848,- | 1.909,- | 2.602,- | 2.780,- | -- | -- | -- |
| PN 100 | Body 16Mo3 / Hood GS-17CrMo55 | | 87.631....1 | R64 | 2.218,- | -- | 2.451,- | 3.087,- | 3.350,- | -- | -- | -- |
| | | | 87.631....4 | | 2.049,- | 2.132,- | 2.216,- | 2.824,- | 3.014,- | -- | -- | -- |
| | Body 13CrMo4-5 / Hood GS-17CrMo55 | | 87.631....1 | R64 R80 | 3.748,- | -- | 3.946,- | 4.040,- | 4.128,- | -- | -- | -- |
| | | | 87.631....4 | | 3.436,- | 3.499,- | 3.586,- | 3.750,- | 3.878,- | -- | -- | -- |
| PN 160 | Body 13CrMo4-5 / Hood GS-17CrMo55 | | 88.631....1 | R80 R110 | 6.382,- | -- | 6.615,- | -- | 7.376,- | -- | -- | -- |
| | | | 88.631....4 | | 6.034,- | -- | 6.034,- | -- | 6.196,- | -- | -- | -- |
| | | | 88.632....1 | R80 R110 | 7.195,- | -- | 7.461,- | -- | 8.314,- | -- | -- | -- |
| | | | 88.632....4 | | 6.499,- | -- | 6.804,- | -- | 6.986,- | -- | -- | -- |

| Additional performance | DN - NPS | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 15 - 1/2" | 20 - 3/4" | 25 - 1" | 40 - 1 1/2" | 50 - 2" | 65 - 2 1/2" | 80 - 3" | 100 - 4" |
| Blow down valve | 43,- | 43,- | 43,- | 43,- | 43,- | 43,- | 43,- | 43,- |
| Manual air vent valve | 43,- | 43,- | 43,- | 43,- | 43,- | 43,- | 43,- | 43,- |
| Connection for pressure recovery pipe 2) | 36,- | 36,- | 36,- | 36,- | 36,- | 36,- | 36,- | 36,- |

Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

**Please indicate the type of controller in your order.**

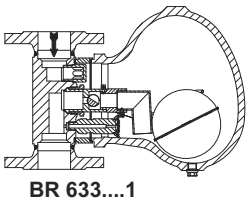
**Socket weld ends for PN63-160 on request.**

1) In case of horizontal installation and differential pressures lower than 1 bar at controller R4-S the steam traps can be fitted on request with an external vent (see page 176).

# ARI-CONA®S Ball float steam traps

## For discharge of large condensate flowrates at boiling temperature

| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 633....1 |



BR 633....1

| | | | | DN - NPS | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Figure | Controller | 40 - 1 1/2" | 50 - 2" | 65 - 2 1/2" | 80 - 3" | 100 - 4" |
| PN 40 | Body **1.0460** / Hood **1.0619+N** | **45.633....1** | **R4-P** | 2.958,- [1] | 3.057,- [1] | 3.701,- [1] | 3.828,- [1] | 4.323,- [1] |

[1] In case of horizontal installation and differential pressures lower than 1 bar the steam traps can be fitted on request with an external vent (see page 176).

**EN-JL1040, EN-JS1049 and 1.4541 on request.**

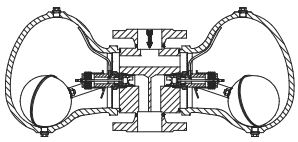
**Please indicate the installation position in your order.**



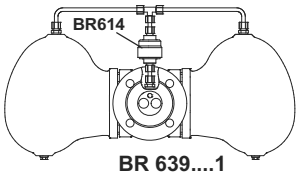

# ARI-CONA®S Ball float steam traps

## For discharge of large condensate flowrates at boiling temperature


| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 639....1 |



BR 639....1




BR 639....1
with external vent [2]

| | | | | DN - NPS | | | |
|---|---|---|---|---|---|---|---|
| | | Figure | Controller | 50 - 2" | 65 - 2 1/2" | 80 - 3" | 100 - 4" |
| PN 16 | Body **1.0460** / Hood **EN-JL1040** | **42.639....1** | **R4-S[2] / R8-S / R13-S** | 3.444,- | 4.938,- | 5.469,- | 5.802,- |
| | | | **R4-P[2]** | 5.139,- | 5.604,- | 6.134,- | 6.303,- |
| PN 40 | Body **1.0460** / Hood **1.0619+N** | **45.639....1** | **R4-S[2] / R8-S / R13-S / R22 / R32** | 3.539,- | 5.078,- | 5.593,- | 5.763,- |
| | | | **R4-P[2]** | 5.262,- | 5.742,- | 6.257,- | 6.428,- |
| | Body **1.4541** / Hood **1.4308** | **55.639....1** | **R4-S[2] / R8-S / R13-S / R22 / R32** | 7.194,- | 7.420,- | 8.175,- | 8.418,- |
| | | | **R4-P[2]** | 7.858,- | 8.086,- | 8.840,- | 9.081,- |

Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request


Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189


[2] At controller R4-S and R4-P the steam traps are fitted with an external vent.

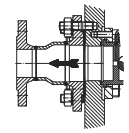
**Please indicate the type of controller and installation position in your order.**

# ARI-CONA®S Ball float steam traps

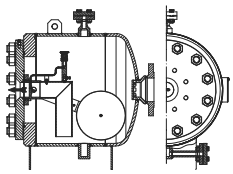
**For discharge of extremely large condensate flowrates at boiling temperature**

| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 637/638....1 |

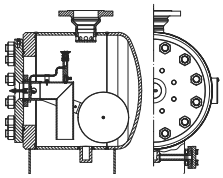
**Standard installation:**
BR637: straight through, horizontally
BR638: Angle pattern design, inlet from the top



Option:
Connecting flange



**BR 637....1**



**BR 638....1**

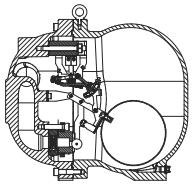
| | | | | DN - NPS | | | |
|---|---|---|---|---|---|---|---|
| | | Figure | Controller | 50 - 2" | 65 - 2 1/2" | 80 - 3" | 100 - 4" |
| PN 16 | Body **P235GH-TC1 /** Dished boiler end **P265GH /** Cover **P355NH /** Pipe **P235GH-TC1** | **82.637/638....1** | **R4 R14** | 9.254,- | 9.254,- | 9.338,- | 9.451,- |
| PN 25 | | **84.637/638....1** | **R4 R14 R23** | 9.716,- | 9.716,- | 9.805,- | 9.924,- |
| PN 40 | | **85.637/638....1** | **R4 R14 R23 R30** | 10.203,- | 10.203,- | 10.296,- | 10.420,- |
| **Additional performance** | | | | **DN - NPS** | | | |
| | | | | **50 - 2"** | **65 - 2 1/2"** | **80 - 3"** | **100 - 4"** |
| Connecting flange to the pipe flange at the outlet | | | | 224,- | 259,- | 291,- | 325,- |

# ARI-CONA® P Pump trap

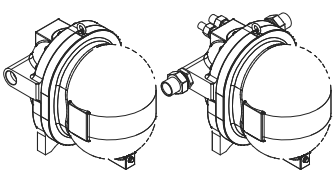
NEW! from ARI

**For condensate discharge and pumping under difficult operating conditions, e.g. heat exchangers controlled from the steam side**

| Types of connection: | BR |
|---|---|
| Screwed sockets (Rp) | 694....2 |
| Union butt-weld ends | 694....5 |
| Loose flange | 694....7 |



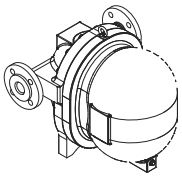
**BR 694**



**BR 694....2**



**BR 694....5**



**BR 694....7**

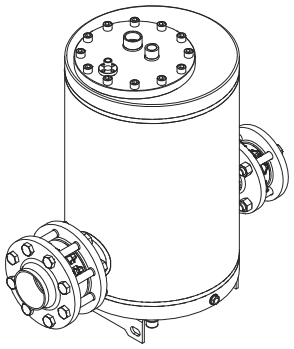
| | | | DN - NPS | | |
|---|---|---|---|---|---|
| | | Figure | 25 | 40 | 50 |
| PN 16 | Body / Hood **EN JS-1049** | **22.694....2** | -- | 2.891,- | -- |
| | | **22.694....5** | 3.023,- | 3.055,- | 3.120,- |
| | | **22.694....7** | -- | 3.187,- | 3.252,- |

# ARI-CONLIFT® Condensate pump

NEW! from ARI

**For pumping hot condensate to a higher pressure level**

| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 691....1 |



**BR 691....1**

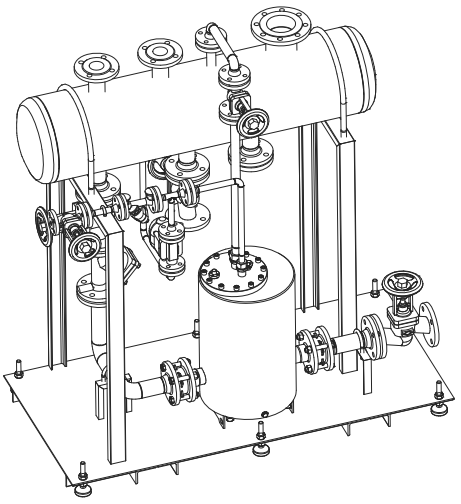
| | | | DN | | | |
|---|---|---|---|---|---|---|
| | | Figure | 25 / 25 | 40 / 40 | 50 / 50 | 80 / 50 |
| PN 16 | Jacket **P235GH/** Bottom flanges and flanges **P250GH /** Bottoms **P265GH /** Cover **P265GH** | **82.691....1** | 3.208,- | 3.447,- | 3.546,- | 3.853,- |

| Additional performance | DN | | | |
|---|---|---|---|---|
| | 25 / 25 | 40 / 40 | 50 / 50 | 80 / 50 |
| L-profile pedestal | on request | | | |
| Electronic stroke counter | on request | | | |
| Insulating jacket | on request | | | |

**Field of application:**

## Pumping station

**Pumping station, fully plumbed incl. all necessary valves, manifolds and connections, mounted on a frame ready to connect**

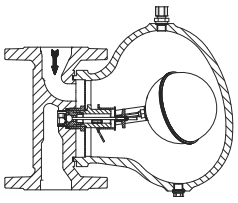


# ARI-CONA®S Ball float steam traps

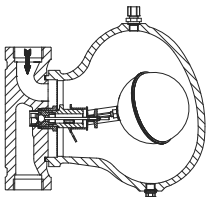
## For discharge of water from compressed air and gas

**(acc. to PED 2014/68/EU fluid group 1, subject to suitability for medium and material resistance)**

| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 630....1 |
| Screwed sockets (Rp- and NPT) | 630....2 |
| Socket weld ends | 630....3 |
| Butt weld ends | 630....4 |



BR 630....1



BR 630....2

**Standard installation: vertical (Inlet from above)**
For horizontal installation,
please indicate inlet (left or right), recovery pipe necessary.

| | | | | DN - NPS | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Figure | Controller | 15 - 1/2" | 20 - 3/4" | 25 - 1" | 40 - 1 1/2" | 50 - 2" |
| PN 16 | Body / Hood EN-JL1040 | 12.630....1 | R4 R8 R13 only PN40: R22 R32 | 430,- | 456,- | 526,- | 1.058,- | 1.063,- |
| | | 12.630....2 | | 398,- | 421,- | 492,- | 898,- | -- |
| PN 40 | Body / Hood EN-JS1049 | 25.630....1 | | 543,- | 582,- | 647,- | 1.128,- | 1.272,- |
| | | 25.630....2 | | 518,- | 554,- | 609,- | 1.024,- | -- |
| | Body / Hood 1.0619+N | 45.630....1 | | 888,- | 933,- | 1.002,- | 1.880,- | 1.996,- |
| | | 45.630....2 | | 839,- | 878,- | 940,- | 1.806,- | 1.921,- |
| | | 45.630....3/4 | | 839,- | 878,- | 940,- | 1.806,- | 1.921,- |
| | Body 1.4541 / Hood 1.4308 | 55.630....1 | | 2.230,- | 2.280,- | 2.340,- | 4.517,- | 5.248,- |
| | | 55.630....2 | | 2.157,- | 2.188,- | 2.250,- | 4.416,- | 5.143,- |
| | | 55.630....3/4 | | 2.219,- | 2.271,- | 2.295,- | 4.454,- | 5.162,- |

Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

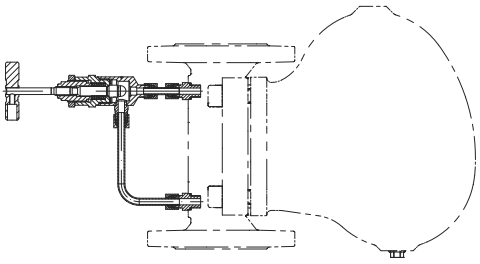
Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

**Please indicate the type of controller in your order.**

## Bypass for

# ARI-CONA®S

| | |
|---|---|
| Bypass CONA®S (BR631)<br>consists of a AWH angle pattern stop valve (from DN25 onwards) | 361,- |

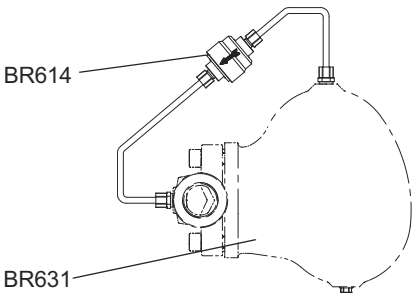


**Bypass for BR 631**

## External vent for

# ARI-CONA®S

| | |
|---|---|
| Bypass for CONA®S (BR631)<br>consists of a piping and CONA®M (BR614) | 243,- |



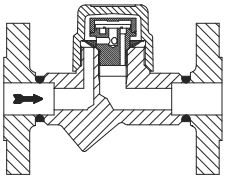

**External vent for BR 631**

**Notes**:

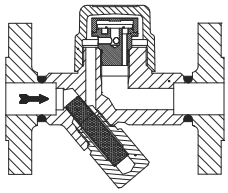
# ARI-CONA®TD Thermodynamic steam traps

## For discharge of condensate with limited sub-cooling

| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 640/641....1 |
| Screwed sockets (Rp- and NPT) | 640/641....2 |
| Socket weld ends | 640/641....3 |
| Butt weld ends | 640/641....4 |



BR 640....1



**BR 641....1**
(outside strainer)
(for add. costs refer to additional performance)

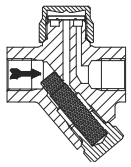
| | | | | Figure | Controller | DN - NPS 15 - 1/2" | 20 - 3/4" | 25 - 1" |
|---|---|---|---|---|---|---|---|---|
| PN 40 | inside strainer | 1.0460 | I82 | 45.640....1 | R32 | 232,- | 232,- | 232,- |
| | | | | 45.640....2 | | 197,- | 197,- | 197,- |
| | | | | 45.640....3/4 | | 208,- | 208,- | 208,- |
| | | 16Mo3 | | 85.640....1 | R32 | 349,- | 349,- | 349,- |
| | | | | 85.640....2 | | 295,- | 295,- | 295,- |
| | | | | 85.640....3/4 | | 310,- | 310,- | 310,- |
| | | 1.4541 | | 55.640....1 | R32 | 414,- | 414,- | 414,- |
| | | | | 55.640....2 | | 363,- | 363,- | 363,- |
| | | | | 55.640....3/4 | | 372,- | 372,- | 372,- |
| PN 63 | | 16Mo3 | I83 | 86.640....1 | R42 | 617,- | 617,- | 617,- |
| | | | | 86.640....3/4 | | 572,- | 572,- | 572,- |

| Additional performance | | DN - NPS 15 - 1/2" | 20 - 3/4" | 25 - 1" |
|---|---|---|---|---|
| Version with outside strainer | Figure 45./85./86.641 | 21,- | 21,- | 21,- |
| | Figure 55.641 | 21,- | 21,- | 21,- |

# ARI-CONA®TD Thermodynamic steam traps

## For discharge of condensate with limited sub-cooling

| Types of connection: | BR |
|---|---|
| Screwed sockets (Rp- and NPT) | 641....2 |
| Socket weld ends | 641....3 |



**BR 641....2 PN63**
(outside strainer)

| | | | | Figure | Controller | DN - NPS 10 - 3/8" | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
|---|---|---|---|---|---|---|---|---|---|
| PN 63 | outside strainer | A743 CA40 (at 1" 1.4006) | I83 | 56.641....2 | R42 | 195,- | 195,- | 236,- | 296,- |
| | | | | 56.641....3 | | -- | 205,- | 243,- | -- |

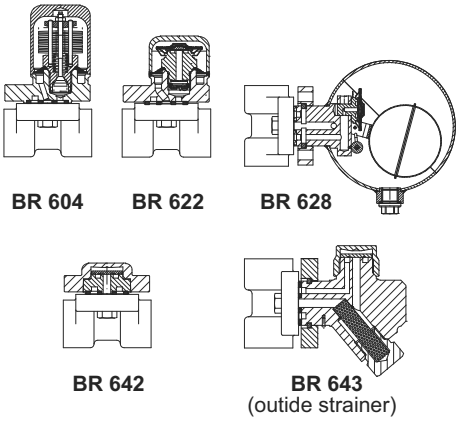
Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

# ARI-CONA®Universal

**For the discharge of condensate sub-cooled**
**(BR 604/622/642/643)**
**and condensate at boiling temperature**
**(BR 628)**

| Types of connection: |
|---|
| Universal flange 2 x 3/8" UNC-thread |



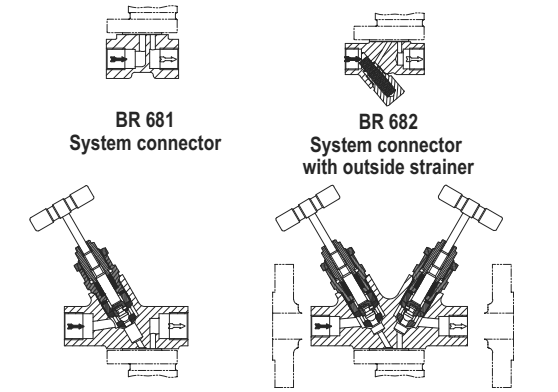

| | | | | | DN |
|---|---|---|---|---|---|
| | | | Figure | Controller | 2 x 3/8" UNC |
| Class 300 | inside strainer | SA351CF8 | 55.604 CONA®B-Universal | R22 | 217,- |
| | | SA351CF8 | 55.622 CONA®M-Universal | R32 | 217,- |
| | without strainer | Body SA182F321 / Hood SA240Gr.304 | 55.628 CONA®S-Universal | R32 | 340,- |
| | without strainer | SA470Gr.410 | 55.642 CONA®TD-Universal | R32 | 153,- |
| | outside strainer (Y-strainer) | SA182F6 A | 55.643 CONA®TD-Universal | R32 | 180,- |



# ARI-CONA®Connector

**System connectors for 2 x 3/8" UNC-thread**

| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) (on request) | 682 / 683 / 684...1 |
| Screwed sockets (Rp- and NPT) | 681 / 682 / 683 / 684...2 |
| Socket weld ends | 681 / 682 / 683 / 684...3 |
| Butt weld ends (on request) | 682 / 683 / 684...4 |




| | | | | DN - NPS | | |
|---|---|---|---|---|---|---|
| | | | Figure | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
| Class 300 / PN 40 | System connector | SA351CF8 | 55.681....2/3 | 91,- | 97,- | 129,- |
| | System connector with outside strainer | SA182F321 (SA105 on request) | 55.682....1 | 206,- | 222,- | 240,- |
| | | | 55.682....2/3 | 153,- | 167,- | 187,- |
| | System connector with stop function at inlet (with gland seal) | | 55.683....1 | 368,- | 368,- | 443,- |
| | | | 55.683....2/3 | 314,- | 314,- | 388,- |
| | System connector with stop function at inlet and outlet (with gland seal) | | 55.684....1 | 526,- | 526,- | 610,- |
| | | | 55.684....2/3 | 472,- | 472,- | 557,- |

| Additional performance | DN - NPS | | |
|---|---|---|---|
| | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
| Stop valve with bellows seal | 187,- | 187,- | 187,- |
| Hand wheel at the stop valve (standard = hand grip) (per each valve) | on request | | |

Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

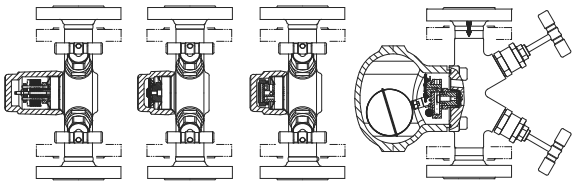
Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

# ARI-CONA®All-in-one

**For the discharge of sub-cooled condensate (BR 60A/61A/64A) and of condensate at boiling temperature (BR 63A)**

**NEW!**
**Face-to-face dimension FTF-1 acc. to DIN EN 26554**

| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 60A/61A/64A/63A....1 |
| Screwed sockets (Rp- and NPT) | 60A/61A/64A/63A....2 |
| Socket weld ends | 60A/61A/64A/63A....3 |
| Butt weld ends | 60A/61A/64A/63A....4 |



BR 60A BR 61A BR 64A BR 63A

| | | | | | | DN | | |
|---|---|---|---|---|---|---|---|---|
| | | | Figure | | Controller | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
| PN40 | Stop valve with gland seal | 1.0460 | CONA®B All-in-one | 45.60A....1 | R32 R22 R13 | 711,- | 711,- | 711,- |
| | | | | 45.60A....2 | | 638,- | 638,- | 638,- |
| | | | | 45.60A....3/4 | | 667,- | 667,- | 667,- |
| | | 1.4541 | | 55.60A....1 | | 1.254,- | 1.254,- | 1.254,- |
| | | | | 55.60A....2 | | 1.126,- | 1.126,- | 1.126,- |
| | | | | 55.60A....3/4 | | 1.177,- | 1.177,- | 1.177,- |
| | | 1.0460 | CONA®M All-in-one | 45.61A....1 | R32 | 653,- | 653,- | 653,- |
| | | | | 45.61A....2 | | 589,- | 589,- | 589,- |
| | | | | 45.61A....3/4 | | 613,- | 613,- | 613,- |
| | | 1.4541 | | 55.61A....1 | | 1.150,- | 1.150,- | 1.150,- |
| | | | | 55.61A....2 | | 1.035,- | 1.035,- | 1.035,- |
| | | | | 55.61A....3/4 | | 1.080,- | 1.080,- | 1.080,- |
| | | 1.0460 | CONA®TD All-in-one | 45.64A....1 | R32 | 609,- | 609,- | 609,- |
| | | | | 45.64A....2 | | 550,- | 550,- | 550,- |
| | | | | 45.64A....3/4 | | 571,- | 571,- | 571,- |
| | | 1.4541 | | 55.64A....1 | | 1.081,- | 1.081,- | 1.081,- |
| | | | | 55.64A....2 | | 969,- | 969,- | 969,- |
| | | | | 55.64A....3/4 | | 1.008,- | 1.008,- | 1.008,- |
| | | Body 1.0460 / Hood 1.0619+N | CONA®SC All-in-one | 45.63A....1 | R32 R21 R14 R4 | 806,- | 806,- | 806,- |
| | | | | 45.63A....2 | | 726,- | 726,- | 726,- |
| | | | | 45.63A....3/4 | | 759,- | 759,- | 759,- |
| | | Body 1.4541 / Hood 1.4308 | | 55.63A....1 | | 1.421,- | 1.421,- | 1.421,- |
| | | | | 55.63A....2 | | 1.279,- | 1.279,- | 1.279,- |
| | | | | 55.63A....3/4 | | 1.336,- | 1.336,- | 1.336,- |

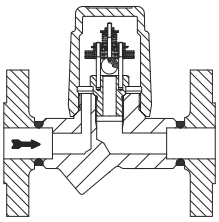
| Additional performance | DN | | |
|---|---|---|---|
| | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
| Drain valve | 43,- | | |
| Ball valve (restricted to 16 bar, 210 °C) | 72,- | | |
| Stop valve with bellows seal (per each valve) | 187,- | | |
| Hand wheel at the stop valve (standard = hand grip) (per each valve) | on request | | |

Design acc. to data sheet
Other types of connection on request

Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

# Liquid drainer

| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 665....1 |
| Screwed sockets (Rp- and NPT) | 665....2 |
| Socket weld ends | 665....3 |
| Butt weld ends | 665....4 |
| Union butt-weld ends | 665....5 |



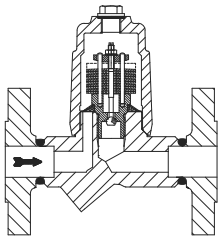
**BR 665....1**

| | | | Figure | Closing press. ΔP | DN - NPS 15 - 1/2" | 20 - 3/4" | 25 - 1" |
|---|---|---|---|---|---|---|---|
| PN 16 | | EN-JL1040 | 12.665....1 | 1,5 bar (standard) 1,0 bar 0,5 bar | -- | -- | 218,- |
| | | | 12.665....5 | | 168,- | 168,- | -- |
| PN 40 | | 1.0460 | 45.665....1 | | 343,- | 343,- | 343,- |
| | | | 45.665....2 | | 305,- | 305,- | 305,- |
| | | | 45.665....3/4 | | 315,- | 315,- | 315,- |

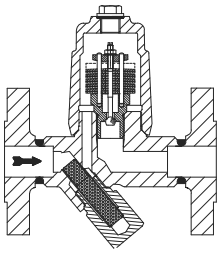
**1.4541 on request.**

# Condensate discharge temperature limiter

| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 645/647....1 |
| Screwed sockets (Rp- and NPT) | 645/647....2 |
| Socket weld ends | 645/647....3 |
| Butt weld ends | 645/647....4 |



**BR 645....1**



**BR 647....1**
(outside strainer)
(for add. costs refer to additional performance)

**CONA® All-in-one Components**

| | | | Figure | Controller | DN - NPS 15 - 1/2" | 20 - 3/4" | 25 - 1" |
|---|---|---|---|---|---|---|---|
| PN 40 | inside strainer | 1.0460 | 45.645....1 | R32 | 295,- | 295,- | 295,- |
| | | | 45.645....2 | | 249,- | 249,- | 249,- |
| | | | 45.645....3/4 | | 265,- | 265,- | 265,- |

| Additional performance | | DN - NPS 15 - 1/2" | 20 - 3/4" | 25 - 1" |
|---|---|---|---|---|
| Temperature display and thermometer adapter | | 87,- | 87,- | 87,- |
| Blow down valve with integrated strainer (only BR 647) | | 43,- | 43,- | 43,- |
| **Version with outside strainer** | Figur 45.647 | 21,- | 21,- | 21,- |

Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

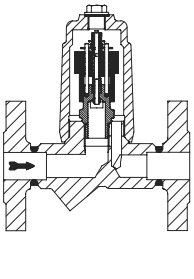
Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

**Please indicate P1 (upstream pressure) and closing temperature in your order.**

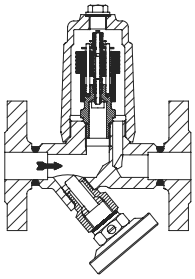
## further components

# Liquid return temperature limiter

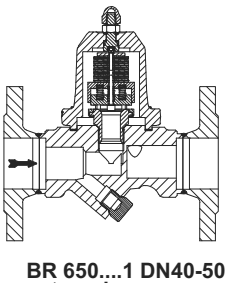
| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 650....1 |
| Screwed sockets (Rp- and NPT) | 650....2 |
| Socket-weld ends | 650....3 |
| Butt-weld ends | 650....4 |



BR 650....1



BR 650....1 with thermometer



BR 650....1 DN40-50 external adjustment

| | | | ΔPMX | TS | DN - NPS | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Figure | bar | °C | 15 - 1/2" | 20 - 3/4" | 25 - 1" | 40 - 1 1/2" | 50 - 2" |
| PN 40 | 1.0460 | 45.650....1 | 6 | 180 | 495,- | 506,- | 533,- | 1.110,- | 1.218,- |
| | | 45.650....2 | | | 453,- | 473,- | 484,- | 1.218,- | 1.134,- |
| | | 45.650....3/4 | | | 464,- | 482,- | 497,- | 1.080,- | 1.134,- |

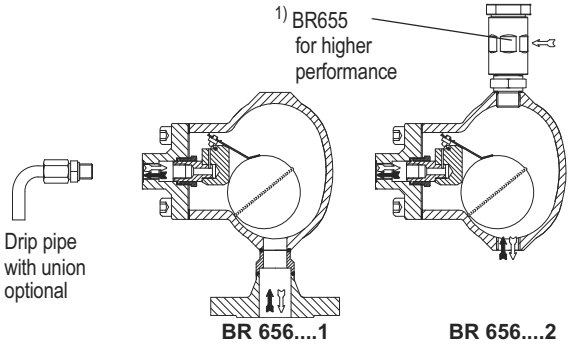
| Additional performance | DN - NPS | | | | |
|---|---|---|---|---|---|
| | 15 - 1/2" | 20 - 3/4" | 25 - 1" | 40 - 1 1/2" | 50 - 2" |
| thermometer insert with adapter | 87,- | 87,- | 87,- | 87,- | 87,- |
| External adjustment | 167,- | 167,- | 167,- | standard | |

Adjustable closing temperature from 60°C up to 130°C (further temperature ranges on request).

# Automatic air vents

## Automatic air vents for liquid systems

| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 656....1 |
| Screwed sockets (Rp- and NPT) | 656....2 |
| Socket-weld ends | 656....3 |
| Butt-weld ends | 656....4 |




BR 656....1

BR 656....2

**Standard installation: vertical (Inlet at the bottom)**

| | | | | DN - NPS | | |
|---|---|---|---|---|---|---|
| | | Figure | Controller | 15 - 1/2" | 20 - 3/4" | 25 - 1" |
| PN 16 | Cover **1.0460** / Hood **EN-JS1049** | 22.656....2 | R14 | 287,- | -- | -- |
| PN 25 | Cover **1.0460** / Hood **1.0619+N** | 34.656....1 | R21 | 588,- | 588,- | 588,- |
| | | 34.656....2 | | 505,- | 505,- | 505,- |
| | | 34.656....3/4 | | 548,- | 548,- | 548,- |
| | Cover **1.4541** / Hood **1.4308** | 54.656....1 | R21 | 1.006,- | 1.006,- | 1.006,- |
| | | 54.656....2 | | 884,- | 884,- | 884,- |
| | | 54.656....3/4 | | 937,- | 937,- | 937,- |
| PN 40 | Cover **1.0460** / Hood **1.0619+N** | 35.656....1 | R21 | 695,- | 695,- | 695,- |
| | | 35.656....2 | | 589,- | 589,- | 589,- |
| | | 35.656....3/4 | | 617,- | 617,- | 617,- |
| | Cover **1.4541** / Hood **1.4308** | 55.656....1 | R21 | 1.159,- | 1.159,- | 1.159,- |
| | | 55.656....2 | | 1.000,- | 1.000,- | 1.000,- |
| | | 55.656....3/4 | | 1.028,- | 1.028,- | 1.028,- |
| 1) For higher performance, please order the vacuum breaker (BR655 + connector) additionally. | | | | | | 194,- |
| Drip pipe (angle) with union joint | | | | | | 24,- |
| Ball with extended arm (for thermal fluid) | | | | | | 25,- |

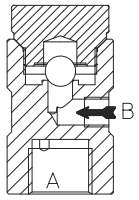
Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

## further components / accessories

# Vacuum breaker

| Types of connection: | BR |
|---|---|
| Inlet A (Rp 1/2 DIN EN10226-1) | 655....2 |

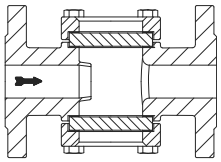


BR 655....2

| | | | | ΔPMX | TS | DN |
|---|---|---|---|---|---|---|
| | | | Figure | bar | °C | 15 - 1/2" |
| PN 16 | 1.4301 | I84 | 52.655....2 | 13 | 400 | 155,- |
| PN 40 | | | 55.655....2 | 21 | 220 | 155,- |

# Double window sight glasses

| Types of connection: | BR | |
|---|---|---|
| Flanges (acc. to DIN) | 660....1 | |
| Screwed sockets (Rp- and NPT) | 660....2 | |
| Butt weld ends | 660....4 | |
| | | |
| **Kind of glasses:** | 280°C | Borosilicate glass |


BR 660....1

| | | | | TS | DN - NPS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Figure | °C | 15 - 1/2" | 20 - 3/4" | 25 - 1" | 32 - 1 1/4" | 40 - 1 1/2" | 50 - 2" | 65 - 2 1/2" | 80 - 3" | 100 - 4" |
| PN 16 | EN-JL1040 | I81 | 12.660....1 | 280 | 221,- | 234,- | 295,- | 363,- | 409,- | 461,- | 746,- | 1.002,- | 1.393,- |
| | | | 12.660....2 (not NPT) | | 185,- | 208,- | 242,- | 314,- | 323,- | 409,- | -- | -- | -- |
| | Body 1.0619+N / Cover 1.0460 | | 32.660....1 | 280 | 402,- | 449,- | 511,- | 608,- | 723,- | 819,- | on request | | |
| | | | 32.660....2 | | 335,- | 383,- | 480,- | 513,- | 667,- | 788,- | -- | -- | -- |
| | 1.4408 | | 52.660....1 | 280 | 566,- | 623,- | 692,- | 876,- | 1.057,- | 1.280,- | on request | | |
| | | | 52.660....2 | | 448,- | 501,- | 683,- | 727,- | 971,- | 1.270,- | -- | -- | -- |
| PN 40 | Body 1.0619+N / Cover 1.0460 | | 35.660....1 | 280 | 437,- | 457,- | 498,- | 632,- | 777,- | 930,- | 1.464,- | 1.809,- | 2.818,- |
| | | | 35.660....2 | | 346,- | 363,- | 464,- | 558,- | 741,- | 862,- | -- | -- | -- |
| | | | 35.660....4 | | 676,- | 750,- | 834,- | 1.028,- | 1.064,- | 1.263,- | 1.777,- | 2.175,- | 3.690,- |
| | 1.4408 | | 55.660....1 | 280 | 622,- | 709,- | 836,- | 1.075,- | 1.311,- | 1.688,- | on request | | |
| | | | 55.660....2 | | 531,- | 585,- | 779,- | 879,- | 1.170,- | 1.629,- | -- | -- | -- |
| | | | 55.660....4 | | 834,- | 921,- | 1.057,- | 1.296,- | 1.548,- | 1.955,- | on request | | |

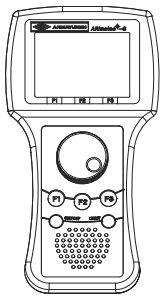
Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189



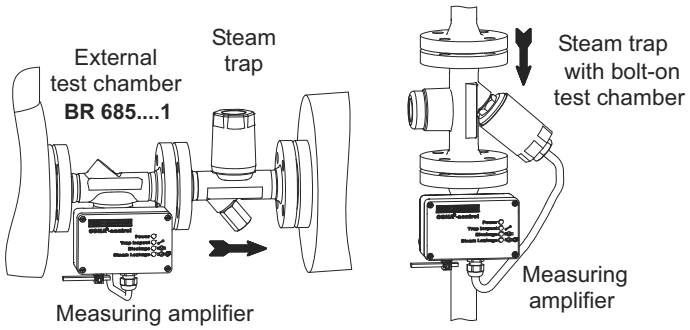
# ARImetec®-S Multifunction tester for steam traps

| | | | |
|---|---|---|---|
| I84 | with graphic display, background lighting, menue control, structure-borne sound sensor, surface temperature sensor up to max. 800°C, software incl. USB-cable, carrying case, shoulder strap with sensor holder | 1 piece | **7.879,- (net)** |
| | **Additional performance** | | |
| | Headphones (with excellent sound insulation) | 1 piece | **235,- (net)** |
| | Extension for temperature sensor | 1 piece | **417,- (net)** |
| | Explosion proof version on request | | |



# CONA®-control Monitoring system for steam traps

| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 685....1 |
| Screwed sockets (Rp- and NPT) | 685....2 |
| Socket weld ends | 685....3 |
| Butt weld ends | 685....4 |




## Standard-design (Stand-alone-operation)

**with LED-card**, on-site indication by LED's, incl. calorimetric sensor and 1m sensor cable (sensor and measuring amplifier wired)

| | | | | DN - NPS | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Figure | 15 - 1/2" | 20 - 3/4" | 25 - 1" | 40 - 1 1/2" | 50 - 2" |
| PN 40 | External test chamber with measuring amplifier | 1.0460 | 45.685....1/2/3/4 | 568,- | 568,- | 568,- | 762,- | 762,- |
| | | 1.4541 | 55.685....1/2/3/4 | 729,- | 729,- | 729,- | 1.199,- | 1.199,- |
| Optional for CONA® -steam traps (BR 601, 612, 613, 641 DN15-40, DN50 on request) | | | | Connecting thread | | | | |
| | | | | M20 x 1,5 | | | M27 x 1,5 | |
| PN 40 | Bolt-on test chamber with measuring amplifier | 1.0460 | | 505,- | | | 512,- | |
| | | 1.4541 | | 552,- | | | 557,- | |

| Additional performance | DN - NPS | | | | |
|---|---|---|---|---|---|
| | 15 - 1/2" | 20 - 3/4" | 25 - 1" | 40 - 1 1/2" | 50 - 2" |
| Power supply (Supply voltage 100V - 240V AC, output voltage 30V DC) | 429,- | | | | |

## Relay-design (Stand-alone-operation)

**with relay-card**, on-site indication by LED's, incl. calorimetric sensor and 1m sensor cable (sensor and measuring amplifier wired)

| | | | | DN - NPS | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Figure | 15 - 1/2" | 20 - 3/4" | 25 - 1" | 40 - 1 1/2" | 50 - 2" |
| PN 40 | External test chamber with measuring amplifier | 1.0460 | 45.685....1/2/3/4 | 654,- | 654,- | 654,- | 847,- | 847,- |
| | | 1.4541 | 55.685....1/2/3/4 | 815,- | 815,- | 815,- | 1.283,- | 1.283,- |
| Optional for CONA® -steam traps (BR 601, 612, 613, 641 DN15-40, DN50 on request) | | | | Connecting thread | | | | |
| | | | | M20 x 1,5 | | | M27 x 1,5 | |
| PN 40 | Bolt-on test chamber with measuring amplifier | 1.0460 | | 591,- | | | 596,- | |
| | | 1.4541 | | 635,- | | | 643,- | |

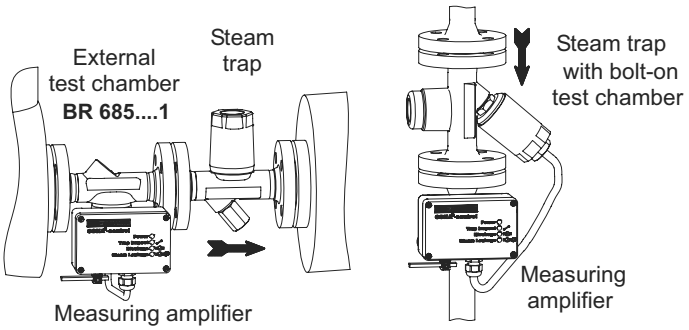
| Additional performance | DN - NPS | | | | |
|---|---|---|---|---|---|
| | 15 - 1/2" | 20 - 3/4" | 25 - 1" | 40 - 1 1/2" | 50 - 2" |
| Power supply (Supply voltage 100V - 240V AC, output voltage 30V DC) | 429,- | | | | |

Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

# CONA®-control Monitoring system for steam traps

| Types of connection: | BR |
|---|---|
| Flanges (acc. to DIN) | 685....1 |
| Screwed sockets (Rp- and NPT) | 685....2 |
| Socket weld ends | 685....3 |
| Butt weld ends | 685....4 |




## AS-i-design (Central status indication)

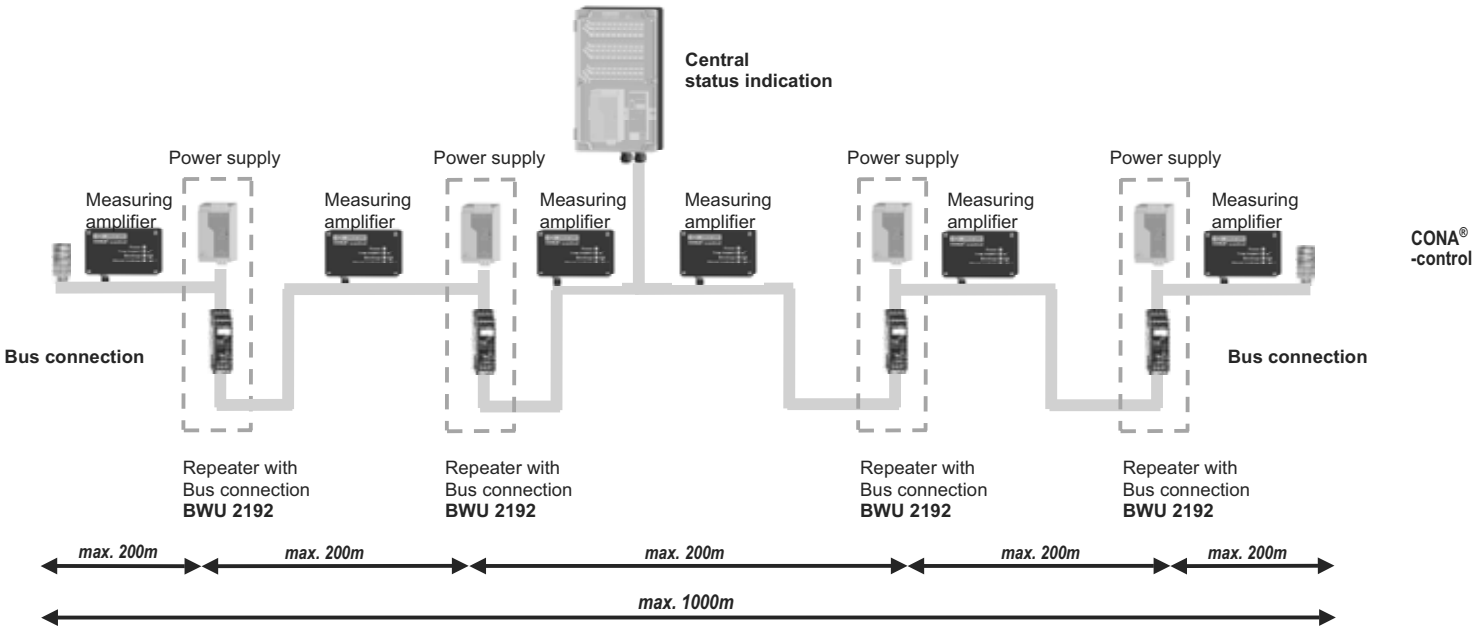
**with AS-i-Bus card**, on-site indication by LED's, incl. calorimetric sensor and 1m sensor cable (sensor and measuring amplifier wired)

| | | | | DN - NPS | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Figure | 15 - 1/2" | 20 - 3/4" | 25 - 1" | 40 - 1 1/2" | 50 - 2" |
| PN 40 | External test chamber with measuring amplifier | 1.0460 | 45.685....1/2/3/4 | 661,- | 661,- | 661,- | 854,- | 854,- |
| | | 1.4541 | 55.685....1/2/3/4 | 821,- | 821,- | 821,- | 1.291,- | 1.291,- |
| Optional for CONA® -steam traps (BR 601, 612, 613, 641 DN15-40, DN50 on request) | | | | Connecting thread | | | | |
| | | | | M20 x 1,5 | | | M27 x 1,5 | |
| PN 40 | Bolt-on test chamber with measuring amplifier | 1.0460 | | 597,- | | | 604,- | |
| | | 1.4541 | | 644,- | | | 650,- | |

| Additional performance | DN - NPS | | | | |
|---|---|---|---|---|---|
| | 15 - 1/2" | 20 - 3/4" | 25 - 1" | 40 - 1 1/2" | 50 - 2" |
| Central status indication | 1.474,- | | | | |
| Indication card (1 pcs. necessary for each status indication) | 65,- | | | | |
| AS-i-Repeater IP20 for line extension by about 100m | on request | | | | |
| AS-i-Bus connection for doubling of the AS-i-line length | on request | | | | |

Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189



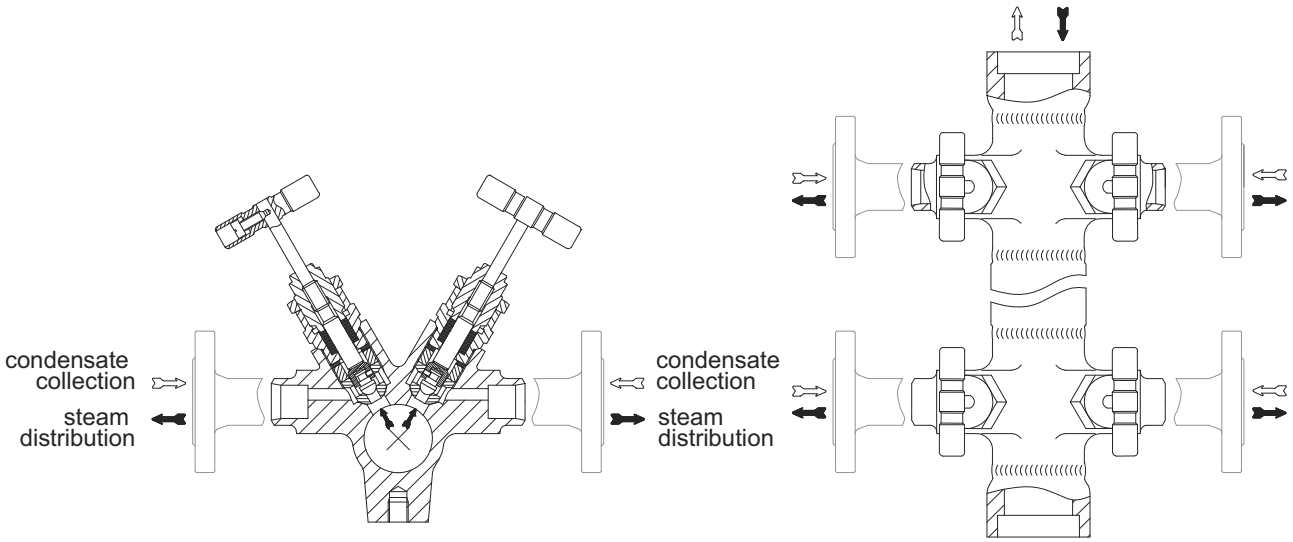
# ARI-CODI®S

## Manifolds for condensate collection and steam distribution

### with stuffing box (BR 671)

**<u>Basic prices</u> for condensate collection and steam distribution manifolds consisting of:**

- Number of module with integrated stop valves (design with stuffing box);
- primary connection top and bottom: flanges (....1), socket ends (....3) / butt weld ends (....4), DN 25 / 40 / 50;
- secondary connections: flanges (....1), socket ends (....3) / butt weld ends (....4), DN 15 / 20 / 25 acc. to DIN and ANSI




| I82 | | |
|---|---|---|
| **PN 40 - 1.0460** | | |
| **Connection** | **....1** | **....3 / ....4** |
| 45.671....-02 | 834,- | 618,- |
| 45.671....-04 | 1.446,- | 1.213,- |
| 45.671....-06 | 2.046,- | 1.675,- |
| 45.671....-08 | 2.535,- | 2.085,- |
| 45.671....-10 | 3.179,- | 2.647,- |
| 45.671....-12 | 3.777,- | 3.169,- |
| 45.671....-14 | 4.457,- | 3.769,- |

| I82 | | |
|---|---|---|
| **PN 40 - 1.4541** | | |
| **Connection** | **....1** | **....3 / ....4** |
| 55.671....-02 | 1.080,- | 765,- |
| 55.671....-04 | 1.934,- | 1.497,- |
| 55.671....-06 | 2.630,- | 2.068,- |
| 55.671....-08 | 3.072,- | 2.575,- |
| 55.671....-10 | 4.079,- | 3.271,- |
| 55.671....-12 | 4.844,- | 3.911,- |
| 55.671....-14 | 5.708,- | 4.649,- |

| Additional performance | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Insulating jacket (1 piece) | BR....-02 | -- | Fastening parts (1 set) | BR....-02 | 5,- | Immersion tube (1 piece) | BR....-02 | -- |
| | BR....-04 | 269,- | | BR....-04 | 16,- | | BR....-04 | 68,- |
| (Insulating jacket for PN63 on requset) | BR....-06 | 345,- | | BR....-06 | 30,- | | BR....-06 | 78,- |
| | BR....-08 | 436,- | | BR....-08 | 30,- | | BR....-08 | 87,- |
| | BR....-10 | 499,- | | BR....-10 | 35,- | | BR....-10 | 94,- |
| | BR....-12 | 602,- | | BR....-12 | 35,- | | BR....-12 | 101,- |
| | BR....-14 | 684,- | | BR....-14 | 43,- | | BR....-14 | 112,- |
| Mounting wrench (1 piece) | | | | | | | | 34,- |

Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

**Extra prices for additional equipment on primary and secondary connections as well as for accessories on request.**
**For inquiries or when placing orders, please use the order form of the catalogue.**

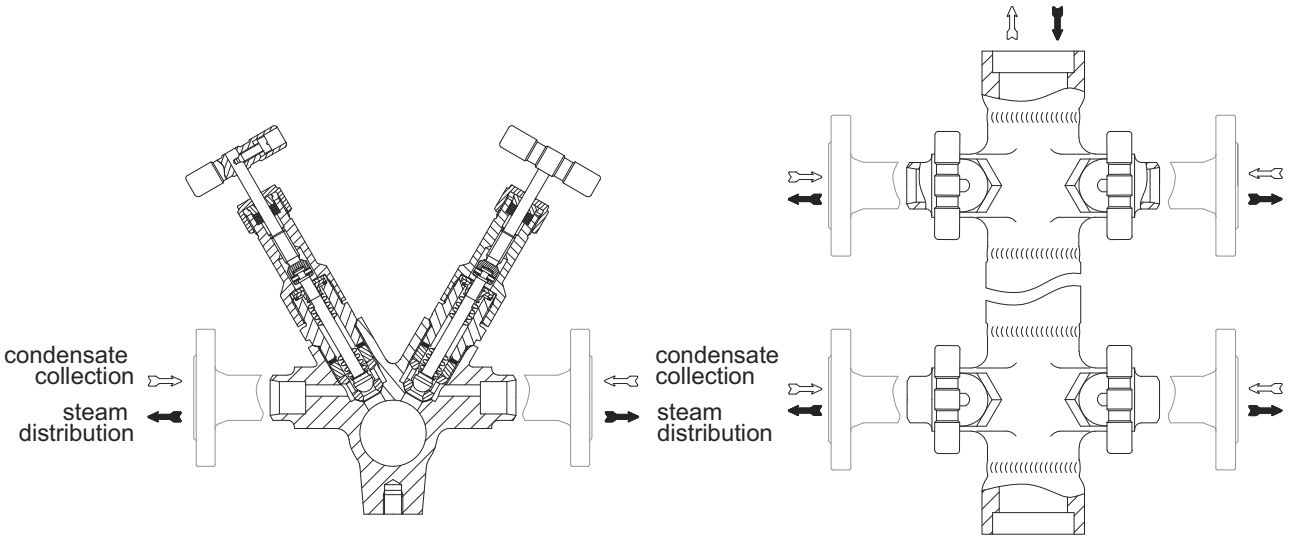
# ARI-CODI®B

## Manifolds for condensate collection and steam distribution

### with bellows seal (BR 675) maintenance-free

**Basic prices for condensate collection and steam distribution manifolds consisting of:**

- Number of module with integrated stop valves (design with stuffing box);
- primary connection top and bottom socket ends (....3) / butt welding ends (....4), DN 25 / 40 / 50;
- secondary connections socket ends (....3) / butt welding ends (....4), DN 15 / 20 / 25 acc. to DIN and ANSI




| I82 | | |
|---|---|---|
| PN 40 - 1.0460 | | |
| Connection | ....1 | ....3 / ....4 |
| 45.675....-02 | 1.077,- | 867,- |
| 45.675....-04 | 1.934,- | 1.699,- |
| 45.675....-06 | 2.719,- | 2.347,- |
| 45.675....-08 | 3.375,- | 2.920,- |
| 45.675....-10 | 4.241,- | 3.711,- |
| 45.675....-12 | 5.045,- | 4.435,- |
| 45.675....-14 | 5.963,- | 5.274,- |

| I82 | | |
|---|---|---|
| PN 40 - 1.4541 | | |
| Connection | ....1 | ....3 / ....4 |
| 55.675....-02 | 1.384,- | 1.071,- |
| 55.675....-04 | 2.531,- | 2.095,- |
| 55.675....-06 | 3.457,- | 2.896,- |
| 55.675....-08 | 4.101,- | 3.606,- |
| 55.675....-10 | 5.388,- | 4.581,- |
| 55.675....-12 | 6.409,- | 5.475,- |
| 55.675....-14 | 7.566,- | 6.509,- |

| I83 | | |
|---|---|---|
| PN 63 - 1.0460 | | |
| Connection | ....1 | ....3 / ....4 |
| 46.675....-02 | 1.256,- | 953,- |
| 46.675....-04 | 2.296,- | 1.868,- |
| 46.675....-06 | 3.126,- | 2.581,- |
| 46.675....-08 | 3.696,- | 3.214,- |
| 46.675....-10 | 4.868,- | 4.078,- |
| 46.675....-12 | 5.790,- | 4.881,- |
| 46.675....-14 | 6.831,- | 5.802,- |

| Additional performance | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Insulating jacket (1 piece) | BR....-02 | -- | Fastening parts (1 set) | BR....-02 | 5,- | Immersion tube (1 piece) | BR....-02 | -- |
| | BR....-04 | 269,- | | BR....-04 | 16,- | | BR....-04 | 68,- |
| (Insulating jacket for PN63 on requset) | BR....-06 | 345,- | | BR....-06 | 30,- | | BR....-06 | 78,- |
| | BR....-08 | 436,- | | BR....-08 | 30,- | | BR....-08 | 87,- |
| | BR....-10 | 499,- | | BR....-10 | 35,- | | BR....-10 | 94,- |
| | BR....-12 | 602,- | | BR....-12 | 35,- | | BR....-12 | 101,- |
| | BR....-14 | 684,- | | BR....-14 | 43,- | | BR....-14 | 112,- |
| Mounting wrench (1 piece) | | | | | | | | 34,- |

Design acc. to data sheet
Other materials (incl. ASTM) on request
Other types of connection on request

Special design on page 204 / Certifications on page 205
Pressure-temperature-ratings on page 188 or data sheet
Types of connection on page 189

**Extra prices for additional equipment on primary and secondary connections as well as for accessories on request.**
**For inquiries or when placing orders, please use the order form of the catalogue.**

## Pressure-temperature-ratings for steam traps and components (Abridgement)

**Ratings acc. to DIN/EN**

| Material | PN | Temperature (°C) | | | | | | | | | | Pressures in bar(g) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 20-120 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 510 | 520 | 530 | 540 | 550 | 580 | 600 | 630 | 650 |
| **EN-JL1040** (acc. DIN EN 1092-2) | **16** | 16 | 12,8 | 11,2 | 9,6 | -- | -- | -- | -- | | | | | | | | | |
| **1.0460/EN-JS1049** | **16** | 16 | 14 | 14 | 14 | -- | -- | -- | -- | | | | | | | | | |
| **1.4301** | **16** | 16 | 13 | 13 | 13 | -- | -- | -- | -- | | | | | | | | | |
| **P235GH/P355NH** | **25** | 25 | 17 | 17 | 17 | -- | -- | -- | -- | | | | | | | | | |
| **1.0460/1.0619+N** | **25** | 25 | 22 | 20 | 17 | 16 | 14 | -- | -- | | | | | | | | | |
| **1.0460** | **25** | 25 | 22 | 20 | 17 | 16 | 13 | -- | -- | | | | | | | | | |
| **1.4308** | **25** | 25 | 21 | 21 | 21 | -- | -- | -- | -- | | | | | | | | | |
| **EN-JS1049** | **40** | 40 | 32 | 32 | 27 | 22 | -- | -- | -- | | | | | | | | | |
| **1.0619+N** | **40** | 40 | 35 | 32 | 28 | 24 | 21 | -- | -- | | | | | | | | | |
| **1.0460** | **40** | 40 | 35 | 32 | 28 | 24 | 21 | 14,5 | -- | | | | | | | | | |
| **16Mo3** | **40** | 40 | 40 | 40 | 35 | 31 | 30 | 28 | -- | | | | | | | | | |
| **P235GH/P355NH** | **40** | 40 | 29 | 29 | 25 | 22 | -- | -- | -- | | | | | | | | | |
| **1.4301** | **40** | 40 | 32 | 32 | 28 | 25 | 22 | -- | -- | | | | | | | | | |
| **1.4541** | **40** | 40 | 32 | 32 | 32 | 32 | 22 | -- | -- | | | | | | | | | |
| **1.4308** | **40** | 40 | 32 | 32 | 28 | -- | -- | -- | -- | | | | | | | | | |
| **1.4006** | **63** | 63 | 42 | 42 | 42 | 42 | 42 | -- | -- | | | | | | | | | |
| **16Mo3/G17CrMo5-5** | **63** | 63 | 63 | 63 | 56 | 50 | 47 | 45 | -- | | | | | | | | | |
| **16Mo3** | **63** | 63 | 63 | 63 | 56 | 50 | 47 | 45 | -- | | | | | | | | | |
| **16Mo3/G17CrMo5-5** | **100** | 100 | 100 | 100 | 87 | 78 | 64 | 50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **16Mo3** | **100** | 100 | 100 | 100 | 90 | 90 | 90 | 90 | 54 | 45 | 36 | 27 | -- | -- | -- | -- | -- | -- |
| **13CrMo4-5/G17CrMo5-5** | **100** | 100 | 100 | 100 | 100 | 95 | 91 | 87 | 74 | 60 | 40 | -- | -- | -- | -- | -- | -- | -- |
| **13CrMo4-5/G17CrMo5-5** | **160** | 160 | 160 | 160 | 160 | 153 | 146 | 139 | 118 | 100 | 79 | 62 | 46 | 35 | -- | -- | -- | -- |
| **13CrMo4-5** | **160** | 160 | 160 | 160 | 160 | 153 | 146 | 139 | 118 | 100 | 79 | 62 | 46 | 35 | -- | -- | -- | -- |
| **10CrMo9-10** | **250** | 250 | 250 | 250 | 250 | 238 | 227 | 217 | 184 | 154 | 124 | 108 | 95 | 81 | -- | -- | -- | -- |
| **10CrMo9-10** | **320** | 320 | 320 | 320 | 320 | 304 | 292 | 278 | 237 | 200 | 158 | 139 | 121 | 104 | -- | -- | -- | -- |
| **10CrMo9-10** | **400** | 400 | 400 | 400 | 400 | 380 | 364 | 348 | 295 | 250 | 198 | 174 | 151 | 130 | -- | -- | -- | -- |
| **10CrMo9-10** | **630** | 630 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 292 | 250 | 162 | -- | -- | -- |
| **1.4901** | **630** | 630 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 220 | 160 |
| **1.4903** | **630** | 630 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 298 | 280 | 130 | -- | -- |
| **1.4905** | **630** | 630 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 250 | 180 | -- |

- Operating limits for controller have to be observed !
- Values not acc. to DIN EN 1092 (except EN-JL1040)!
- PN630 acc. to AWH-factory specifications

Design and operating limits
- acc. to data sheet
- acc. to calculation program ARI-myValve

**Intermediate values for max. permissible operational pressures only above 120°C can be determined by linear interpolation of the given temperature / pressure chart.**

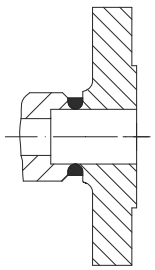
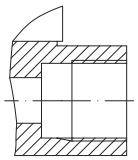
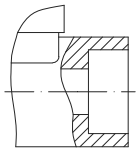
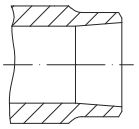
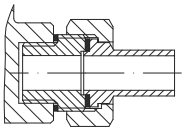
Attention:
The operating conditions of steam traps are related to the temperature- and pressure values of the steam saturation curve. This chart comprises the commonly used operating conditions of ARI/AWH steam traps.
e.g.: PN100, 16Mo3 with 100bar at 250°C is water, because of the boiling point (at approx. 310°C).

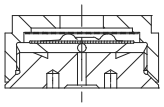
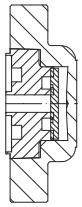
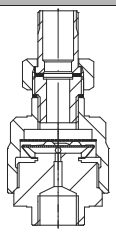
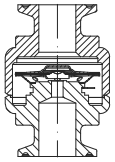
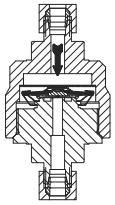
**Ratings acc. to ANSI B16.34 Ausg. 2009 Standard Class**

| Material Group | Material example | ANSI Class | Temperature in °F | | | | | | | | | | Pressures in psig | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 100 | 200 | 300 | 400 | 500 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 | 1100 |
| **1.1** | **SA105** | **150** | 285 | 260 | 230 | 200 | 170 | 140 | 125 | 110 | 95 | 80 | | | | | | |
| **2.4** | **F321** | **150** | 275 | 250 | 230 | 200 | 170 | 140 | 125 | 110 | 95 | 80 | 65 | 50 | 35 | 20 | | |
| **1.1** | **SA105** | **300** | 740 | 680 | 655 | 635 | 605 | 570 | 550 | 530 | 505 | 410 | | | | | | |
| **2.4** | **F321** | **300** | 720 | 650 | 595 | 550 | 515 | 485 | 475 | 465 | 460 | 450 | 445 | 440 | 385 | 365 | | |
| **1.1** | **SA105** | **600** | 1480 | 1360 | 1310 | 1265 | 1205 | 1135 | 1100 | 1060 | 1015 | 825 | | | | | | |
| **1.17** | **F12** | **600** | 1500 | 1470 | 1400 | 1335 | 1290 | 1210 | 1175 | 1135 | 1065 | 1015 | 975 | 745 | 550 | 400 | | |
| **1.10** | **F22** | **900** | 2250 | 2250 | 2185 | 2115 | 1995 | 1815 | 1765 | 1705 | 1595 | 1525 | 1460 | 1350 | 1160 | 800 | | |
| **1.10** | **F22** | **1500** | 3750 | 3750 | 3640 | 3530 | 3325 | 3025 | 2940 | 2840 | 2660 | 2540 | 2435 | 2245 | 1930 | 1335 | | |
| **1.10** | **F22** | **2500** | 6250 | 6250 | 6070 | 5880 | 5540 | 5040 | 4905 | 4730 | 4430 | 4230 | 4060 | 3745 | 3220 | 2230 | 1455 | 915 |
| **1.15** | **F91** | **2500** | 6250 | 6250 | 6070 | 5880 | 5540 | 5040 | 4905 | 4730 | 4430 | 4230 | 4060 | 3745 | 3220 | 3030 | 3000 | 2515 |

| Material Group | Material example | ANSI Class | Temperature in °C | | | | | | | | | | Pressures in in bar(g) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 37,8 | 93,3 | 148,9 | 204,4 | 260,0 | 315,6 | 343,3 | 371,1 | 398,9 | 426,7 | 454,4 | 482,2 | 510,0 | 537,8 | 565,6 | 593,3 |
| **1.1** | **SA105** | **150** | 19,7 | 17,9 | 15,9 | 13,8 | 11,7 | 9,7 | 8,6 | 7,6 | 6,6 | 5,5 | | | | | | |
| **2.4** | **F321** | **150** | 19,0 | 17,2 | 15,9 | 13,8 | 11,7 | 9,7 | 8,6 | 7,6 | 6,6 | 5,5 | 4,5 | 3,4 | 2,4 | 1,4 | | |
| **1.1** | **SA105** | **300** | 51,0 | 46,9 | 45,2 | 43,8 | 41,7 | 39,3 | 37,9 | 36,6 | 34,8 | 28,3 | | | | | | |
| **2.4** | **F321** | **300** | 49,7 | 44,8 | 41,0 | 37,9 | 35,5 | 33,4 | 32,8 | 32,1 | 31,7 | 31,0 | 30,7 | 30,3 | 26,6 | 25,2 | | |
| **1.1** | **SA105** | **600** | 102,1 | 93,8 | 90,3 | 87,2 | 83,1 | 78,3 | 75,9 | 73,1 | 70,0 | 56,9 | | | | | | |
| **1.17** | **F12** | **600** | 103,4 | 101,4 | 96,6 | 92,1 | 89,0 | 83,4 | 81,0 | 78,3 | 73,4 | 70,0 | 67,2 | 51,4 | 37,9 | 27,6 | | |
| **1.10** | **F22** | **900** | 155,2 | 155,2 | 150,7 | 145,9 | 137,6 | 125,2 | 121,7 | 117,6 | 110,0 | 105,2 | 100,7 | 93,1 | 80,0 | 55,2 | | |
| **1.10** | **F22** | **1500** | 258,6 | 258,6 | 251,0 | 243,4 | 229,3 | 208,6 | 202,8 | 195,9 | 183,4 | 175,2 | 167,9 | 154,8 | 133,1 | 92,1 | | |
| **1.10** | **F22** | **2500** | 431,0 | 431,0 | 418,6 | 405,5 | 382,1 | 347,6 | 338,3 | 326,2 | 305,5 | 291,7 | 280,0 | 258,3 | 222,1 | 153,8 | 100,3 | 63,1 |
| **1.15** | **F91** | **2500** | 431,0 | 431,0 | 418,6 | 405,5 | 382,1 | 347,6 | 338,3 | 326,2 | 305,5 | 291,7 | 280,0 | 258,3 | 222,1 | 209,0 | 206,9 | 173,4 |

**Types of connection** further connections on request

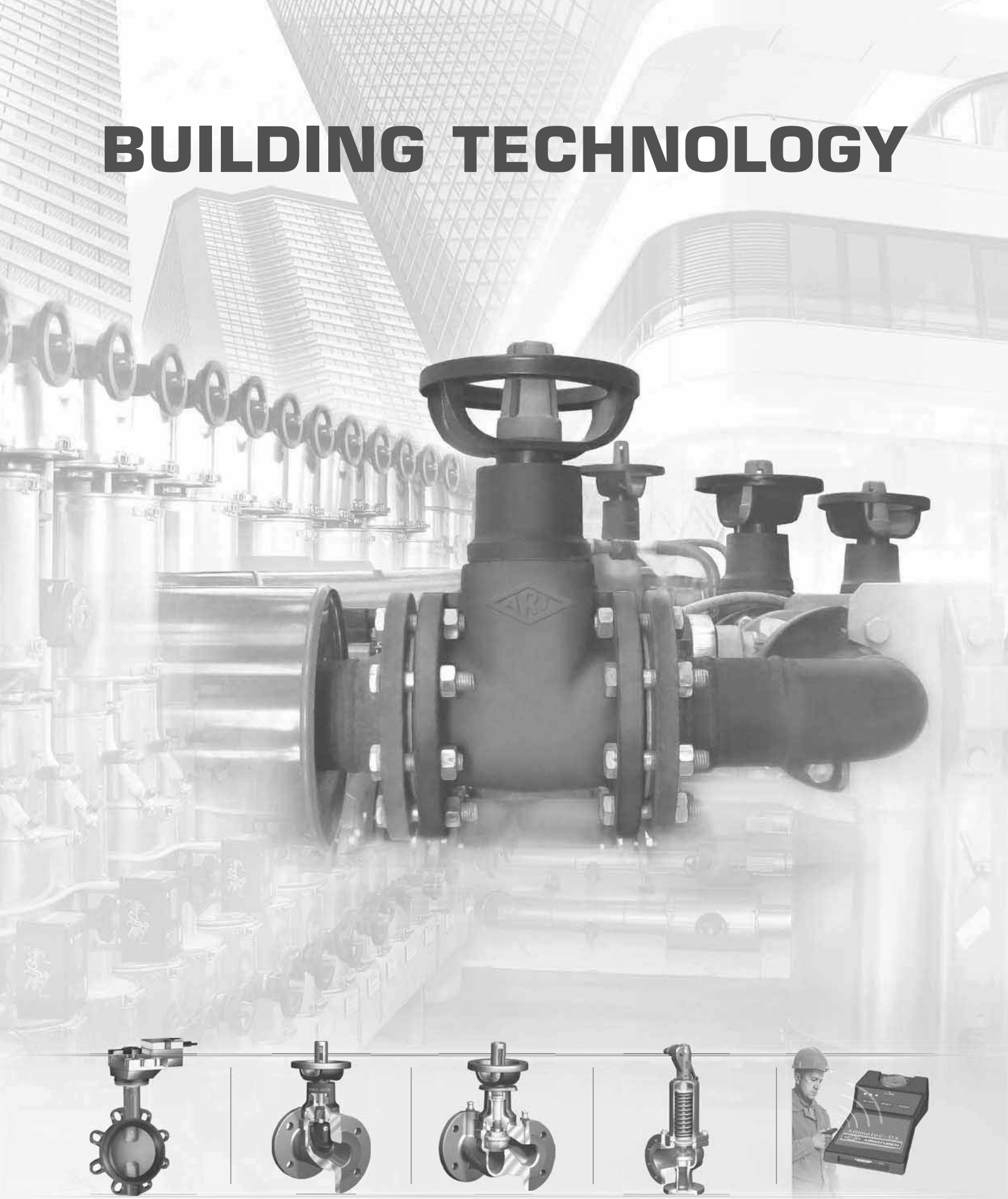
| Flanges ....1 | Screwed sockets ....2 | Socket weld ends ....3 | Butt weld ends ....4 | Union / butt-weld nipples ....5 |
|---|---|---|---|---|
|  |  |  |  |  |
| acc. to DIN / EN or ANSI | acc. to data sheet respect. as desired | acc. to DIN EN 12760 (previous DIN 3239 T1) | acc. to DIN EN 12627 (previous DIN 3239 T2) | acc. to data sheet respect. as desired |

| Wafer pattern ....6 | Loose flange ....7 | Screwed male / female ....9 | Clamp connection ....a | Compression ring connection ....c |
|---|---|---|---|---|
|  |  |  |  |  |
| acc. to data sheet respect. as desired | acc. to data sheet respect. as desired | acc. to data sheet respect. as desired | acc. to DIN 32676 or BS 4825-3 | acc. to DIN 2353 or EN ISO 8434-1 |

**Special models refer to page 204**

**Notes**:

# BUILDING TECHNOLOGY





ZESA®-EA



EURO-WEDI®



ASTRA®



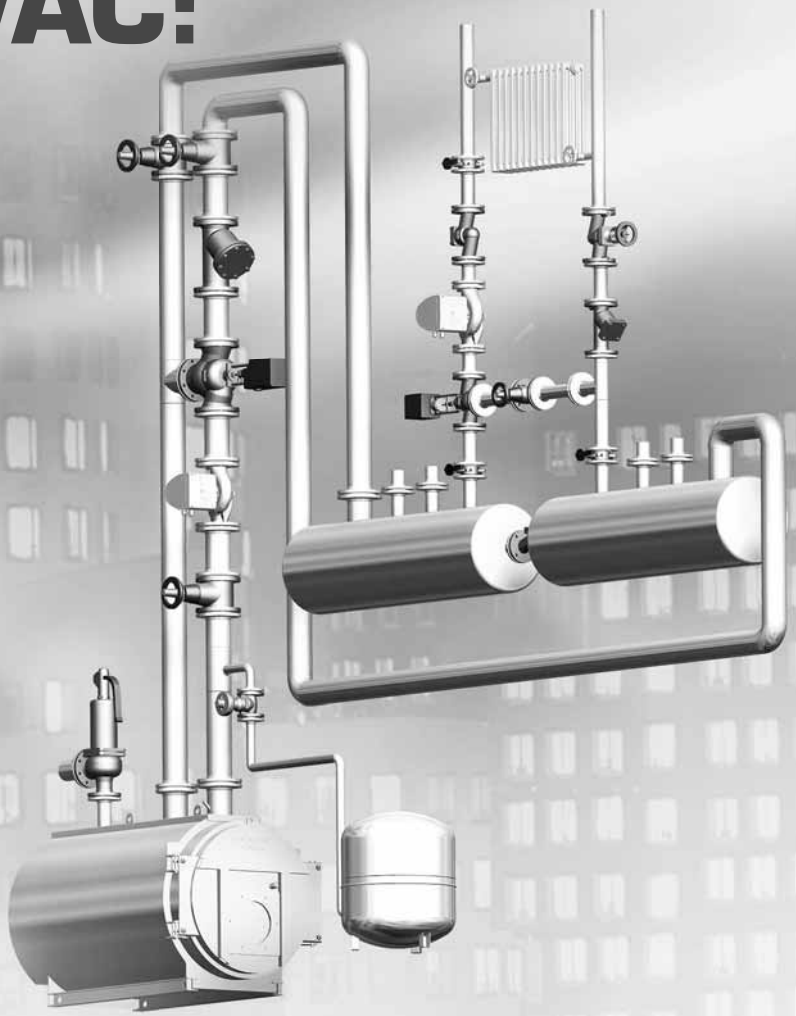
SAFE



ARImetec®-DX

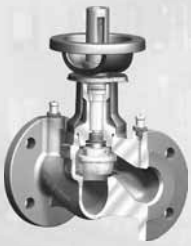
ARMATUREN

# Your tailor made system for HVAC!



**ZESA® / GESA®**
**Butterfly Valves**

Variable, Safe, Flexible: Reliable tight shut-off due to the chambered sealing mechanism and more economical due to smaller electrical actuator (ZESA®-EA)



**ASTRA® / ASTRA®-Plus**
**Flow Regulating Valves**

Systemized Flow Regulation: Cost effectiveness through digital precision. ARImetec-DX designed for hydraulic balancing. Optimal handling by Smartphone capability and wireless operation based on “Bluetooth” technology

**EURO-WEDI®**
**Soft-seated Isolation Valves**

Low closing torque and low wearing sealing with optimized control characteristic.

**SAFE Safety Valves**

Security for building technology, heating, cooling and hotwater systems. Acc. to DIN EN 12828, EN ISO 4126-1 and TRD 721.

ARI ARMATUREN

ARI- EURO-WEDI®

## Stop valves with soft seal
## face-to-face dimension EN 558 FTF-14
## - maintenance-free - / Zeta-value approx. 1,2

PN 6 / 16 up to 120°C (130°C for a short time)
cast iron EN-JL1040

*Standard:*
*Locking device and travel limiter [1)],*
*insulating cap with integrated dew point barrier,*
*throttling function and indicator*

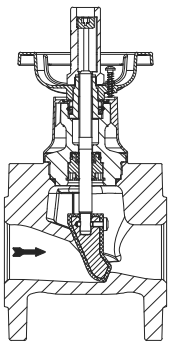


**Fig. 10./12.070**

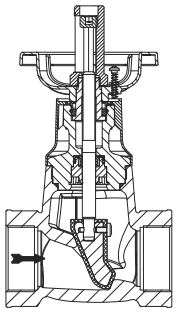


**Fig. 12.076**

| Stop- and Hood-valves acc. to EN 558 FTF-14 | | | DN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
| G11 | PN 6 straight thr. | **Fig.10.070** | 123,- | 135,- | 156,- | 173,- | 189,- | 219,- | 287,- | 344,- | 472,- | 676,- | 901,- | 2.217,- |
| | | locking device and travel limiter | standard | | | | | | | | | | | 2.421,- |
| | PN 16 straight thr. | **Fig.12.070** | 123,- | 135,- | 156,- | 173,- | 189,- | 232,- | 323,- | 408,- | 550,- | 880,- | 1.105,- | 2.548,- |
| | | locking device and travel limiter | standard | | | | | | | | | | | 2.751,- |
| | Hood-valves | **PN 6 str. through Fig.10.072** | 186,- | 199,- | 220,- | 237,- | 252,- | 304,- | 373,- | 435,- | 562,- | 1.044,- | 1.240,- | 2.635,- |
| | | **PN 16 str. thr. Fig.12.072** | 186,- | 199,- | 220,- | 237,- | 252,- | 311,- | 412,- | 522,- | 663,- | 1.212,- | 1.446,- | 2.937,- |

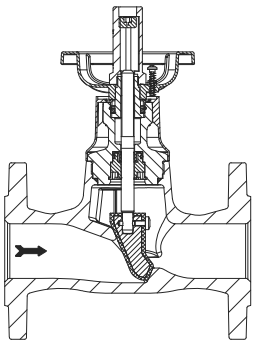
| Stop valve with screwed socket acc. to EN 558 FTF-14 | | | INCH | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
| G13 | PN 16 straight thr. | **Fig.12.076** | 108,- | 124,- | 142,- | 152,- | 167,- | 208,- |
| | | locking device and travel limiter[)] | standard | | | | | |
| | Hood-valve | **PN 16 str. through Fig. 12.078** | 168,- | 180,- | 194,- | 199,- | 216,- | 253,- |

Design acc. to data sheet
[1)] optional at DN200

ARI- EURO-WEDI®

## Stop valves with soft seal face-to-face dimension EN 558 FTF-1 - maintenance-free - / Zeta-value approx. 1,2

PN 6 / 16 up to 120°C (130°C for a short time)
cast iron EN-JL1040



EURO-WEDI®

**Fig. 10./12.071**

*Standard:*
*Locking device and travel limiter 1),*
*insulating cap with integrated dew point barrier,*
*throttling function and indicator*

| Stop- and Hood-valves acc. to EN 558 FTF-1 | | | DN | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
| G12 | PN 6 straight thr. | **Fig.10.071** | 150,- | 167,- | 186,- | 213,- | 238,- | 268,- | 358,- | 428,- | 591,- | 844,- | 1.137,- | 2.442,- |
| | | locking device and travel limiter | standard | | | | | | | | | | | 2.663,- |
| | PN 16 straight thr. | **Fig.12.071** | 150,- | 167,- | 186,- | 213,- | 238,- | 289,- | 397,- | 509,- | 683,- | 1.102,- | 1.376,- | 3.169,- |
| | | locking device and travel limiter | standard | | | | | | | | | | | 3.395,- |
| | Hood-valve | **PN 6 str. through Fig.10.073** | 220,- | 236,- | 253,- | 286,- | 336,- | 367,- | 429,- | 536,- | 694,- | 988,- | 1.293,- | 3.003,- |
| | | **PN16 str. through Fig.12.073** | 220,- | 236,- | 253,- | 286,- | 336,- | 372,- | 502,- | 622,- | 807,- | 1.243,- | 1.908,- | 3.804,- |

Design acc. to data sheet

1) optional at DN200

ARI-ASTRA®

## Combined flow regulating valve face-to-face dimension EN 558 FTF-1 - maintenance-free -

PN 16 up to 120°C (130°C for a short time) (DN 15-200)
PN 16 up to 200°C (DN250-500) cast iron EN-JL1040

*standard with regulating plug, digital travel indicator and integrated pressure gauge studs*

*Insulating cap with integrated dew point barrier and EDD at DN 15 - 200, with gland seal from DN 250*

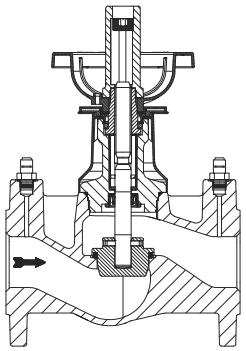


**Fig. 12.020 (DN 15-200) maintenance-free**

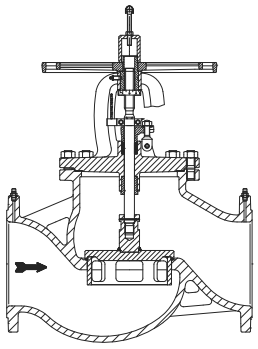


**Fig. 12.042 (DN 250-400)**

| Combined flow regulating valve | | | DN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
| G14 | PN 16 str. through | Fig. 12.020 EN-JL1040 | 249,- | 284,- | 318,- | 360,- | 428,- | 473,- | 608,- | 1.020,- | 1.494,- | 2.014,- | 2.683,- | 5.764,- |

| Combined flow regulating valve | | | DN | | | | |
|---|---|---|---|---|---|---|---|
| | | | 250 | 300 | 350 | 400 | 500 |
| G15 | PN 16 str. through | Fig. 12.042 EN-JL1040 | 6.098,- | 8.831,- | 10.339,- | 13.222,- | 34.253,- |

Design acc. to data sheet

ARI-ASTRA® PLUS

## Combined flow regulating valve face-to-face dimension EN 558 FTF-1 - maintenance-free -

PN 16 up to 175°C (DN 15-150) nodular iron EN-JS1049
PN 16 up to 350°C (DN 200-400) nodular iron EN-JS1049

**German "TA-Luft" (clean air act) TÜV-approval**

*standard with regulating plug, digital travel indicator and integrated pressure gauge studs (DN15-150)*

*Bellows sealing with safety gland at DN 15 - 200, gland seal from DN 250*

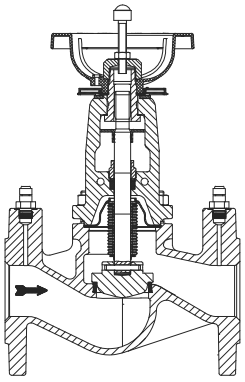


**Fig. 22.042 (DN 15-200) maintenance-free**

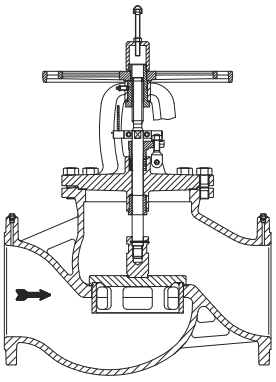


**Fig. 22.042 (DN 250-400)**

| Combined flow regulating valve | | | DN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| G16 | PN 16 str. through | Fig. 22.042 EN-JS1049 | 306,- | 343,- | 368,- | 439,- | 519,- | 573,- | 741,- | 1.141,- | 1.665,- | 2.249,- | 2.992,- |

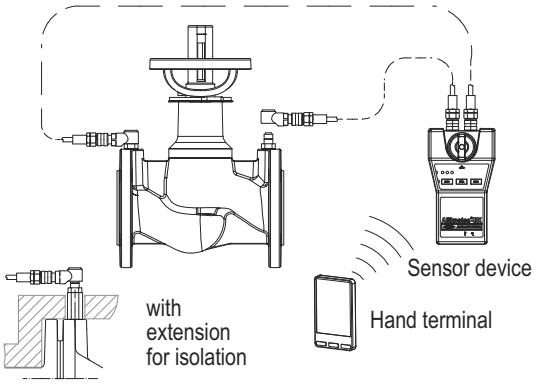
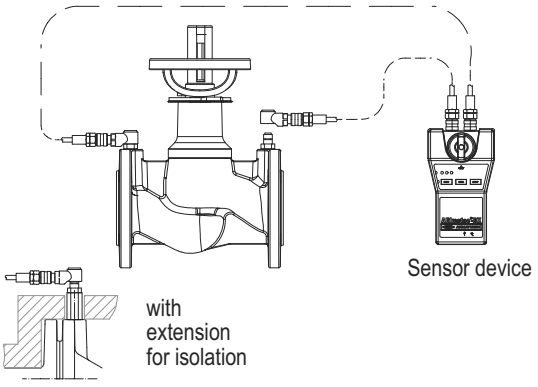
| Combined flow regulating valve | | | DN | | | | |
|---|---|---|---|---|---|---|---|
| | | | 200 | 250 | 300 | 350 | 400 |
| G16 | PN 16 str. through | Fig. 22.042 EN-JS1049 | 6.154,- | 10.756,- | 15.483,- | 18.781,- | 25.617,- |

Design acc. to data sheet

**PN25 on request**

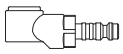
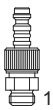
# Additional performance

ARI-ASTRA® ARI-ASTRA® PLUS

| | | | |
|---|---|---|---|
| **Balancing instrument ARImetec®-DX** is used for flow and differential pressure measurement in hydraulic system, consisting of sensor device and **hand terminal (Android PDA)** |  | 1 pcs. | 2.235,- (net) |
| **Balancing instrument ARImetec®-DX** is used for flow and differential pressure measurement in hydraulic system, consisting of sensor device and **Smartphone-App** * |  | 1 pcs. | 1.661,- (net) |

ASTRA®
ASTRA®-Plus
ARImetec®-DX

| **Acessories ARImetec®-DX** | | |
|---|---|---|
| Surface temperature sensor (PT100) - measuring range -30°C up to 120°C | 1 pcs. | on request |
| * Smartphone-App (Android) available in Google Play Store | unlimited | free of charge |
| ARImetec®-DX - Power (for measuring of heat quantity) | 1 pcs. | on request |
| Annual calibration | | on request |

| | | | | | |
|---|---|---|---|---|---|
| Design 1 |  1) 2) | Pressure gauge stud with sealing | Fig. 12.020 / 12.042 | 2 pcs. | standard |
| | | | Fig. 22.042 (DN15-150) | 2 pcs. | standard |
| | | | Fig. 22.042 (DN200-400) | 2 pcs. | 38,- |
| |  2) | Adapter for Pressure gauge stud | (One pair is enough for the checking device in one plant) | 2 pcs. | 61,- |
| Design 2 |  1) 2) | Measuring valve with sealing | (DN50-400) | 2 pcs. | 43,- |
| A |  1) 2) | Extension | 40 mm (DN32-400) | 2 pcs. | 37,- |

1) Thread side for body connection

**Temperature range:** **Accessories -10°C up to +90°C**
**for measuring -10°C up to +90°C**

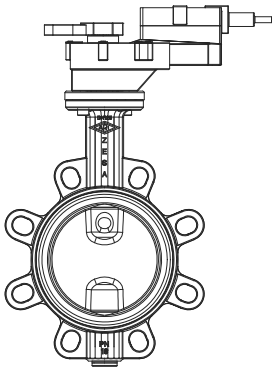
2) Is not permitted for mineral oil medium

# ARI-ZESA®-EA

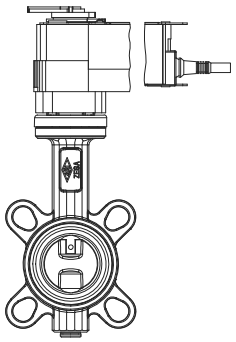
**Wafer type butterfly valves;**
**soft sealed - maintenance-free -**
**with electric rotary actuator**
**for HVAC applications**
**Disc of stainless steel 1.4581 (DN20-80)**
**or EN-JS1030 with zinc-lamella coating (DN100-200)**

PN6/10/16 - DN20-200 of EN-JS1030
DN20 only suitable for flanges PN16
Differential pressure: 6 bar / 3 bar

**EPDM-seat: -10°C up to +100°C**



**EA / EAY**
230V 50/60Hz
or 24V AC/DC



**EA-SR**
230V 50/60Hz
or 24V AC/DC

**- Fig. 22.012 -**

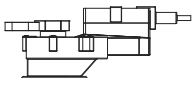
## Registration for drinking water

**Standard:** **DN20/25 - DN80: EPDM seat with DVGW-registration** DW-6201BR0244, acc. to DIN EN 1074-1/-2
incl. desinfection inspection, DVGW VP646 and DVGW W270 for drinking water

| Fig. 22.012 | | | | | DN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 20/25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
| G23 | actuator EA | open/close or 3-point | operat.time **s** | | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 150 | 150 | 150 |
| | | | Type | | EA1 | EA1 | EA1 | EA1 | EA1 | EA1 | EA1 | EA2 | EA2 | EA2 |
| | | | ΔP **bar** | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 3 |
| | | | | | **411,-** | **411,-** | **446,-** | **458,-** | **474,-** | **514,-** | **546,-** | **690,-** | **836,-** | **1.136,-** |
| | actuator EAY | modulating | operat.time **s** | | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 150 | 150 | 150 |
| | | | Type | | EA1Y | EA1Y | EA1Y | EA1Y | EA1Y | EA1Y | EA1Y | EA2Y | EA2Y | EA2Y |
| | | | ΔP **bar** | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 3 |
| | | | | | **577,-** | **577,-** | **612,-** | **624,-** | **641,-** | **681,-** | **711,-** | **856,-** | **1.004,-** | **1.304,-** |
| | actuator EA-SR 230V, 50/60Hz | open/close | operat.time **s** | On | 75 | 75 | 75 | 75 | 75 | 75 | 75 | | | |
| | | | | Off | 20 s on electrical power failure | | | | | | | | | |
| | | | Type | | EA-SR | EA-SR | EA-SR | EA-SR | EA-SR | EA-SR | EA-SR | | | |
| | | | ΔP **bar** | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | | | | | **852,-** | **852,-** | **886,-** | **898,-** | **916,-** | **955,-** | **986,-** | | | |
| | actuator EA-SR 24V AC/DC | open/close | operat.time **s** | On | 90 | 90 | 90 | 90 | 90 | 90 | 90 | | | |
| | | | | Off | 20 s on electrical power failure | | | | | | | | | |
| | | | Type | | EA-SR | EA-SR | EA-SR | EA-SR | EA-SR | EA-SR | EA-SR | | | |
| | | | ΔP **bar** | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | | | | | **928,-** | **928,-** | **963,-** | **975,-** | **991,-** | **1.031,-** | **1.062,-** | | | |

Design acc. to data sheet

## Electric rotary actuator EA



**Type:** **EA1, EA2 (open/close or 3-point)**
**EA1Y, EA2Y (modulating) 0(2)-10V**

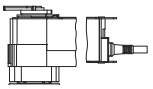
Supply voltage: EA1, EA2: 230V, 50/60Hz or 24V AC/DC
EA1Y, EA2Y: 24V, AC/DC

Disconnection: limit switches in both directions

Enclosure: IP 54

| additional performance for accessories | | |
|---|---|---|
| Box with 2 limit switches for signalisation | set | 108,- |

## Electric rotary actuator EA-SR with fail-safe function



**Type:** **EA-SR (open/close)**

Supply voltage: 230V, 50/60Hz oder 24V, AC/DC

Equipment: 2 limit switches for signalisation,
Reset to start on failure (Spring closes on electrical power failure / NC)
(optionally: spring opens (NO))

Enclosure: IP 54

G24

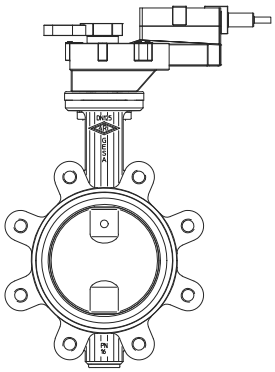
Design acc. to data sheet

# ARI-GESA®-EA

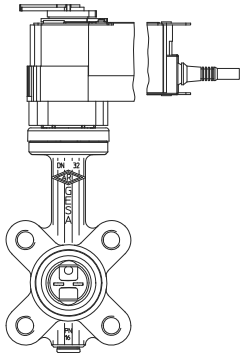
**Lug type butterfly valves;**
**soft sealed - maintenance-free -**
**with electric rotary actuator**
**for HVAC applications**
**Disc of stainless steel 1.4581 (DN20-80)**
**or EN-JS1030 with zinc-lamella coating (DN100-200)**
**Installation between two flanges**

PN10/16 - DN20-200 of EN-JS1030
Differential pressure: 6 bar / 3 bar

**EPDM-seat: -10°C up to +100°C**



**EA / EAY**
230V 50/60Hz
oder 24V AC/DC



**EA-SR**
230V 50/60Hz
oder 24V AC/DC

**- Fig. 22.013 -**

## Registration for drinking water

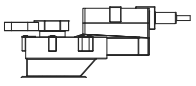
**Standard:** **DN25 - DN80: EPDM seat with DVGW-registration** DW-6201BR0244, acc. to DIN EN 1074-1/-2
incl. desinfection inspection, DVGW VP646 and DVGW W270 for drinking water

| Fig. 22.013 PN 10 / 16 | | | | | DN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 |
| G23 | actuator EA | open/close or 3-point | operat.time | s | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 150 | 150 | 150 |
| | | | Type | | EA1 | EA1 | EA1 | EA1 | EA1 | EA1 | EA1 | EA2 | EA2 | EA2 |
| | | | Δp | bar | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 3 |
| | | | | | **486,-** | **502,-** | **515,-** | **528,-** | **560,-** | **573,-** | **657,-** | **834,-** | **886,-** | **1.253,-** |
| | actuator EAY | modulating | operat.time | s | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 150 | 150 | 150 |
| | | | Type | | EA1Y | EA1Y | EA1Y | EA1Y | EA1Y | EA1Y | EA1Y | EA2Y | EA2Y | EA2Y |
| | | | Δp | bar | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 3 |
| | | | | | **653,-** | **667,-** | **681,-** | **695,-** | **726,-** | **739,-** | **824,-** | **1.002,-** | **1.054,-** | **1.421,-** |
| | actuator EA-SR 230V, 50/60Hz | open/close | operat.time | s On | 75 | 75 | 75 | 75 | 75 | 75 | 75 | | | |
| | | | | Off | 20 s on electrical power failure | | | | | | | | | |
| | | | Type | | EA-SR | EA-SR | EA-SR | EA-SR | EA-SR | EA-SR | EA-SR | | | |
| | | | Δp | bar | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | | | | | **928,-** | **943,-** | **957,-** | **970,-** | **1.002,-** | **1.015,-** | **1.099,-** | | | |
| | actuator EA-SR 24V AC/DC | | operat.time | s On | 90 | 90 | 90 | 90 | 90 | 90 | 90 | | | |
| | | | | Off | 20 s on electrical power failure | | | | | | | | | |
| | | | Type | | EA-SR | EA-SR | EA-SR | EA-SR | EA-SR | EA-SR | EA-SR | | | |
| | | | Δp | bar | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | |
| | | | | | **1.004,-** | **1.019,-** | **1.032,-** | **1.046,-** | **1.077,-** | **1.090,-** | **1.174,-** | | | |

Design acc. to data sheet

ZESA® / GESA®

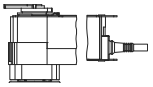
## Electric rotary actuator EA



**Type:** **EA1, EA2 (open/close or 3-point)**
**EA1Y, EA2Y (modulating) 0(2)-10V**
Supply voltage: EA1, EA2: 230V, 50/60Hz or 24V AC/DC
EA1Y, EA2Y: 24V, AC/DC
Disconnection: limit switches in both directions
Enclosure: IP 54

| additional performance for accessories | | |
|---|---|---|
| Box with 2 limit switches for signalisation | set | 108,- |

## Electric rotary actuator EA-SR with fail-safe function

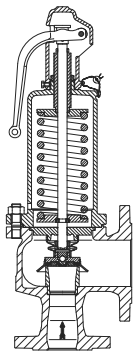


**Type:** **EA-SR (open/close)**
Supply voltage: 230V, 50/60Hz oder 24V, AC/DC
Equipment: 2 limit switches for signalisation,
Reset to start on failure (Spring closes on electrical power failure / NC)
(optionally: spring opens (NO))
Enclosure: IP 54

G24

Design acc. to data sheet

# ARI-SAFE Fig.903/904



12.903/12.904

Safety valves for heating systems acc. to EN ISO 4126-1, DIN EN 12828 and TRD 721
PN 16 cast iron EN-JL1040
Fig. 12.903 - Set gauge pressures for each nominal diameter (in bar):
2,5/3,0/3,5/4,0/4,5/5,0/5,5/6,0/6,5/7,0/7,5/8,0/8,5/9,0/9,5/10,0
Intermediate values are possible.

Fig. 12.903 - for heating systems up to 120 °C and DIN EN 12828
**Type test approval TÜV•SV• . . -688•D/G/H**
[1] (more than 10 bar Fig. 25.903 in EN-JS1049 / 35.903 in 1.0619+N on request)

Fig. 12.904 - for low pressure steam systems up to 120 °C
**Type test approval TÜV•SV• . . -688•D 0,2 - 1,0 bar**

| | | | DN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 20/ 32 | 25/ 40 | 32/ 50 | 40/ 65 | 50/ 80 | 65/100 | 80/125 | 100/150 | 125/200 | 150/250 |
| G61 | spring loaded, WEDI-disc EPDM-bellow, | **Fig. 12.903** [1] | 543,- | 549,- | 647,- | 830,- | 1.071,- | 1.390,- | 1.867,- | 2.614,- | 3.854,- | 5.501,- |
| G62 | spring loaded, EPDM-bellow, | 0,2 - 1,0 bar **Fig. 12.904** | 480,- | 487,- | 574,- | 702,- | 897,- | 1.298,- | 1.826,- | 2.568,- | 3.309,- | 4.827,- |

| additional performance | DN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 20/ 32 | 25/ 40 | 32/ 50 | 40/ 65 | 50/ 80 | 65/100 | 80/125 | 100/150 | 125/200 | 150/250 |
| single springs | 72,- | 72,- | 92,- | 154,- | 218,- | 260,- | 416,- | 760,- | 1.335,- | 2.012,- |
| drain hole with plug | 53,- | 53,- | 53,- | 53,- | 53,- | 53,- | 53,- | 53,- | 53,- | 53,- |
| special flange drilling | refer to page 204 | | | | | | | | | |

Design acc. to data sheet
Certifications on page 205.

**Order data:** 1. Figure-No.; 2. Nominal diameter (DN); 3. Nominal pressure (PN); 4. Body material; 5. Set gauge pressures; 6. Special design / accessories

# ARI-SAFE-TC Fig.945/946

Safety valves for heating systems acc. to EN ISO 4126-1, DIN EN 12828 and TRD 721
PN 40 nodular iron EN-JS1049

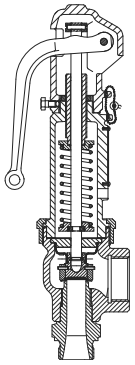


**Fig. 25.945/25.946**

Fig. 25.945 - for heating systems up to 120 °C-DIN EN 12828
**Type test approval TÜV•SV• . . -997•D/G/H**

Fig. 25.946 - for low pressure steam systems up to 120 °C
**Type test approval TÜV•SV• . . -997•D 0,2 - 1,0 bar**

| | | | DN | | |
|---|---|---|---|---|---|
| | | | 15 | 20 | 25 |
| | | | G1/2" x G3/4" | G3/4" x G1" | G1" x G1 1/4"<br>G1" x G1 1/2" |
| G63 | spring loaded,<br>WEDI-disc<br>EPDM-bellow, | **Fig. 25.945** | 451,- | 486,- | 501,- |
| G63 | spring loaded,<br>metal disc,<br>EPDM-bellow, | 0,2 - 1,0 bar<br>**Fig. 25.946** | 425,- | 464,- | 499,- |

| **additional performance** | DN | | |
|---|---|---|---|
| | 15 | 20 | 25 |
| | G1/2" x G3/4" | G3/4" x G1" | G1" x G1 1/4"<br>G1" x G1 1/2" |
| single springs | 69,- | 69,- | 74,- |
| special thread | refer to page 204 | | |

Design acc. to data sheet
Certifications on page 205.

**Order data:** 1. Figure-No.; 2. Nominal diameter (DN); 3. Nominal pressure (PN); 4. Body material;
5. Set gauge pressures; 6. Special design / accessories

**Notes**:

# GENERAL

# Additional performance

| DN | | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 500 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NPS | | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 5" | 6" | 8" | 10" | 12" | 14" | 16" | 20" |
| Operated by impact force | STOBU | 352,- | 352,- | 352,- | 352,- | 430,- | 430,- | 430,- | 430,- | 430,- | 716,- | 716,- | 716,- | 1.103,- | 1.103,- | 1.103,- | 1.103,- | -- |
| Chain wheel [1] | FABA / STOBU | 530,- | 530,- | 530,- | 530,- | 592,- | 592,- | 655,- | 655,- | 763,- | 763,- | 763,- | 763,- | 763,- | 763,- | 763,- | -- | -- |

[1] add. chain per meter EUR 30,-
endless chain EUR 30,-

# Special models

The additions, mentioned in percent are calculated on the basic prices:

| | | |
|---|---|---|
| Special stem with fine thread (standard at FABA) | Valves of cast iron | +30% |
| | Valves of nodular iron | +25% |
| | Valves of cast steel | +20% |
| Valves in weatherproofed design | | on request |
| Valves free of oil and grease at medium touching parts | | |
| Valves free of oil and grease prepared for oxygen acc. to QA026 | | |
| Special markings | | on request |

| **Special drillings/shapings of flanges , threads, socket weld ends, butt weld ends** (Design by agreement) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **DN** | **10** | **15** | **20** | **25** | **32** | **40** | **50** | **65** | **80** | **100** | **125** | **150** | **200** | **250** | **300** | **350** | **400** | **500** |
| **NPS** | **3/8"** | **1/2"** | **3/4"** | **1"** | **1 1/4"** | **1 1/2"** | **2"** | **2 1/2"** | **3"** | **4"** | **5"** | **6"** | **8"** | **10"** | **12"** | **14"** | **16"** | **20"** |
| **Straight through** | 61,- | 61,- | 65,- | 74,- | 78,- | 93,- | 101,- | 115,- | 131,- | 167,- | 227,- | 298,- | 471,- | 688,- | 982,- | on request | | |
| **3-way** | -- | 96,- | 103,- | 111,- | 123,- | 131,- | 155,- | 166,- | 198,- | 260,- | 337,- | 430,- | 703,- | 1.092,- | 1.575,- | -- | -- | -- |
| **ARI-REYCO Series** | refer to page 155 / 158 | | | | | | | | | | | | | | | | | |

| **Special face-to-face dimensions** (Design by agreement) | on request |
|---|---|

| **Special treatment / Special painting** (Design by agreement) | on request |
|---|---|
| ARI-valves made of cast iron, nodular iron and cast steel always receive a painting which is appropriate to protect them against corrosion during transportation or when storing them.<br>If it is required by customers to add heat resistant paintings between 130°C and 400°C, or to protect the valves permanently against climatic conditions and corrosion, it may become necessary to use paintings and materials not standardized. | |

# Attention: when sizing valves ≥ DN125 and max. PN40!

ARI-stop valves with differential pressures exceeding the following pressures, have to be fitted with a pressure balancing plug

| **Balancing plug** | **DN** | **125** | **150** | **200** | **250** | **300** | **350** | **400** | **500** |
|---|---|---|---|---|---|---|---|---|---|
| **Differential pressure** | **Δ p** | 25 bar | 21 bar | 14 bar | 9 bar | 6 bar | 4,5 bar | 3,5 bar | 1,5 bar |

Max. permissible differential pressure (Δp) in throttling function for regulating plug see data sheet: Kv flow diagram.

# Operating instructions

**Operating instructions in German / English / French and other languages are ready for download at www.ari-armaturen.com or they can be ordered by phone +49 52 07 / 994-0 or fax +49 52 07 / 994-158.**

# Test reports and inspection certificates according to DIN EN 10204
## Control valves - Manual stop valves - Butterfly valves - Safety valves - Steam traps

In the course of production each valve will be inspected in accordance with the state of the art.

a) body stability test and body leakage test of the valve to the outside
b) sealing leakage test
c) function test

Special inspections must be agreed. For certificates all requirements must be indicated in the order. It is not possible to submit inspection certificates after the delivery has been effected.

## 1. Inspection certificates

### 1.1 Final certificates according to DIN EN 12266 / DIN 3230 / AD 2000 / PED / TRD 110

- Inspection certificates acc. to EN 10204-3.1
  (inspection made by our inspection representative)

- Inspection certificates acc. to EN 10204-3.1
  inspection acc. to DIN 3230 section 5/group PG 3
  (Final test "BW" acc. to data sheet - reducing necessary)
  (inspection made by our inspection representative)

- Inspection certificates acc. to EN 10204-3.2 Module G
  (inspection made by authorized surveyor of any classification company
  or TÜV, DIN-requirements or Pressure Equipment Directive)

- EC-single acceptance Module G
  (Inspection made by authorized surveyor form a Certified Body
  acc. to the requirements of the Pressure Equipment Directive)

### 1.2 Material certificates

- Inspection certificates
  acc. to EN 10204-3.1

- Inspection certificates
  acc. to EN 10204-3.2

## 2. Test reports

- Test report acc. to EN 10204-2.2
  Material and final check

## 3. Set pressure TÜV-certificates

- Set pressure TÜV-certificates for safety valves
  (inspection made by TÜV - surveyor)

## 4. Type tests

- Manual stop valves tested and marked acc. to TRD 110

**Prices on request.**

# General Service for Industrial valves

| | |
|---|---|
| **Repair, conversion, TÜV testing**<br>of safety valves of any type or construction for a site of installation or in our authorised repair centre. | **Price:** firm price after inspection at site of installation |
| **Repair and reconditioning of stop and control valves**<br>all nominal sizes and nominal pressure ratings | **Price:** firm price after inspection at site of installation<br>Guaranteed new-price use-value at about 50% of the purchase price of a new valve |
| **Spare parts**<br>for all valves as OEM parts of from our range of products | **Price:** on request |
| **Inspections of Steam traps**<br>Cleaning, repair, replacement | **Price:** firm price on request |
| **Fittings acceptance tests**<br>by TÜV<br>Germanischer Lloyd<br>Lloyds Register of Shipping<br>Det Norske Veritas<br>Registro Italiano Navale<br>Russian Maritime Register of Shipping<br>in our test facility | **Price:** by agreement |
| **Refurbishment of complete condensate systems**<br>Removal and installation or pipelines, pipe valves, pumps and tanks | **Price:** on request |
| **Annual service contract for plants** | **Price:** by agreement |

| Replaced standards - materials | Material-No. | Material designation (standard) | | |
|---|---|---|---|---|
| | new | | old | |
| Cast iron | EN-JL1040 | EN-GJL-250 (DIN EN 1561) | *0.6025* | *GG-25 (DIN 1691)* |
| Nodular iron | EN-JS1030 | EN-GJS-400-15 (DIN EN 1563) | *0.7040* | *GGG-40 (DIN 1693)* |
| | EN-JS1049 | EN-GJS-400-18U-LT(DIN EN 1563) | *0.7043* | *GGG-40.3 (DIN 1693)* |
| Malleable cast iron | EN-JM1130 | EN-GJMB-350-10 (DIN EN 1562) | *0.8135* | *GTS-35-10 (DIN 1692)* |
| Cast steel | 1.7357 | G17CrMo5-5 (DIN EN 10213-2) | *1.7357* | *GS-17CrMo5 5 (DIN 17245)* |
| | 1.0619+N | GP240GH+N(DIN EN 10213) | *1.0619.01* | *1.0619+N (GS-C25N) (DIN 17245)* |
| Forged steel | 1.0345 | P235GH (DIN EN 10216-2) | *1.0305* | *St 35.8 (DIN 17175)* |
| | 1.0460 | P250 GH (DIN EN 10222-2) | *1.0460* | *C22.8 (DIN 17243)* |
| Stainless steel | 1.4057 | X17CrNi16-2 (DIN EN 10088-1) | *1.4057* | *X 20 CrNi 17 2 (DIN 17440)* |
| | 1.4122.05 | X35CrMo17V (SEW 400) | *1.4122.05* | *X 35 CrMo 17 (SEW 400)* |
| | 1.4301 | X5CrNi18-10 (DIN EN 10088-1) | *1.4301* | *X5CrNi18 10 (DIN 17440)* |
| | 1.4305 | X8CrNiS18-9(DIN EN 10088-1) | *1.4305* | *X10CrNiS18 9 (DIN 17440)* |
| | 1.4308 | GX5CrNi19-10 (DIN EN 10213-1) | *1.4308* | *G-X6CrNi 18 9 (DIN 17145)* |
| | 1.4310 | X10CrNi18-8 (DIN EN 10270-3) | *1.4310* | *X12CrNi17 7 (DIN 17224)* |
| | 1.4401 | X5CrNiMo17-12-2 (DIN EN 10088-1) | *1.4401* | *X5CrNiMo17 12 2 (DIN 17440)* |
| | 1.4404 | X2CrNiMo17-12-2 (DIN EN 10088-1) | *1.4404* | *X2CrNiMo17 12 2 (DIN 17440)* |
| | 1.4408 | GX5CrNiMo19-11-2 (DIN EN 10213-4) | *1.4408* | *G-X6CrNiMo18 10 (DIN 17445)* |
| | 1.4439 | G-X2CrNiMoN17 13 5 (VdTÜV WB 458) | *1.4439* | *G-X2CrNiMoN17 13 5 (DIN 17445)* |
| | 1.4439 | X2CrNiMoN17-13-5 (DIN EN 10088-1) | *1.4439* | *X2CrNiMoN17 13 5 (DIN 17441)* |
| | 1.4541 | X6CrNiTi18-10 (DIN EN 10088-1) | *1.4541* | *X6CrNiTi18 10 (DIN 17440)* |
| | 1.4571 | X6CrNiMoTi17 12 2 (DIN EN 10088-1) | *1.4571* | *X6CrNiMoTi17 12 2 (DIN 17440)* |
| | 1.4581 | GX5CrNiMoN19-11-2 (DIN EN 10213-4) | *1.4581* | *G-X5CrNiMoNb18 10 (DIN 17445)* |
| | 1.4923 | X22CrMoV12-1 (DIN EN 10269) | *1.4923* | *X22CrMoV12 1 (DIN 1724)* |
| | 1.4021+QT | X20Cr13+QT (DIN EN 10088-1) | *1.4021.05* | *X20Cr13V (DIN 17440)* |
| | 1.4104+QT | X14CrMoS17+QT (DIN EN 10088-1) | *1.4104* | *X12CrMoS17V (DIN 17440)* |
| | 1.4122+QT | X39CrMo17-1+QT (DIN EN 10088-1) | *1.4122* | *X35CrMo17V (DIN 17440)* |
| Red brass / non-iron material | CC480K | CuSn10-Cu (DIN EN 1982) | *2.1050.01* | *G-CuSn 10 (DIN 1705)* |
| | CC491K | CuSn5Zn5Pb5-C (DIN EN 1982) | *2.1096.01* | *G-CuSn5ZnPb (DIN 1705)* |
| | CC499K | CuSn5Zn5Pb2-C | -- | -- |
| | CW453K | CuSn8 (DIN EN 12163) | *2.1030* | *CuSn8 (DIN 17672-1)* |
| | CW508L | CuZn37 (DIN EN 12163) | *2.0321* | *CuZn37 (DIN 17672-1)* |
| | CW614N | CuZn39Pb3 (DIN EN 12164) | *2.0401* | *CuZn39Pb3 (DIN 17672-1)* |
| | CW710R | CuZn35Ni3Mn2AlPb (DIN EN 12163) | *2.0540* | *CuZn35Ni2 (DIN 17672-1)* |
| | CW710R-R490 | CuZn35Ni3Mn2AlPb-R490 (DIN EN 12163) | *2.0540.27* | *CuZn35Ni2F49 (DIN 17672-1)* |
| High temperature steel / steel | 1.0037 | S235JR (DIN EN 10025) | *1.0037* | *St 37 (DIN 17100)* |
| | 1.0330 | DC01 (DIN EN 10139) | *1.0330* | *St 2 (DIN 1624)* |
| | 1.0330 | Fe P01 (DIN EN 10130) | *1.0330* | *St 12-03 (DIN 1623-1)* |
| | 1.0425 | P265 GH (DIN EN 10028-2) | *1.0425* | *Kbl. HII (DIN 17200)* |
| | 1.0565 | P355NH (DIN EN 10028-3) | *1.0565* | *WStE 355 (DIN 17102)* |
| | 1.1181 | C35E (DIN EN 10269) | *1.1181* | *Ck 35 (DIN 17240)* |
| | 1.1191 | C45E (DIN EN 10083-1) | *1.1191* | *Ck 45 (DIN 17200)* |
| | 1.2067 | 102Cr6 (DIN EN ISO 4957) | *1.2067* | *100 Cr 6 (DIN 17350)* |
| | 1.5026 | 56Si7 (DIN EN 10132-4) | *1.0904* | *55Si7 (DIN 17222)* |
| | 1.5415 | 16Mo3 (DIN EN 10028-2) | *1.5415* | *15 Mo 3 (DIN 17175)* |
| | 1.7218 | 25CrMo4 (DIN EN 10269) | *1.7258* | *24 CrMo 5 (DIN 17240)* |
| | 1.7335 | 13CrMo4-5 (DIN EN 10028-2) | *1.7335* | *13 CrMo 44 (DIN 17155)* |
| | 1.7380 | 10CrMo9-10 (DIN EN 10028-2) | *1.7380* | *10 CrMo 9 10 (DIN 17155-2)* |
| | 1.7709 | 21CrMoV5-7 (DIN EN 10269) | *1.7709* | *21CrMoV5 7 (DIN 17240)* |
| | 1.8159 | 51CrV4 (DIN EN 10089) | *1.8159* | *50 Cr V4 (DIN 17221)* |
| | 1.0335+QT | DD13+QT (DIN EN 10111) | *1.0335.05* | *StW24V (DIN 1614-2)* |
| | 1.0715+C | 11SMn30+C (DIN EN 10087) | *1.0715* | *9SMn28K (DIN 1651)* |
| | 1.0727+C | 46S20+C (DIN EN 10087) | *1.0727* | *45S20K (DIN 1651)* |
| Welding material | -- | G19 9 Nb Si (DIN EN 12072) | *1.4551* | *X5CrNiNb 19 9 (DIN 8556)* |

| Changed designs | Standards | |
|---|---|---|
| | new | old |
| Face-to-face dimension of valves with flanges | DIN EN 558 series FTF-1 | *DIN 3202 T1 F1* |
| | DIN EN 558 series FTF-14 | *DIN 3202 T1 F4* |
| Round flanges for valves | DIN EN 1092-2 | *DIN 2531 / 32 / 33; DIN 2860...* |
| Flange seals | DIN EN 1514-1 | *DIN 2690 PN 6-40* |

Every valve and strainer-application requires checking of the temperature and pressure limitation of the body for basic materials.
Please check furthermore the temperature and pressure resp. pressure drop limitation of gland packings, linings, coatings, seat and trim.
Please check in the tables below the temperature and pressure limitation for the body-materials of our valves and strainers.

# Pressure-temperature-ratings acc. to DIN EN 1092-1/-2 and manufacturers standard

## (Cast iron, nodular iron, cast steel, forged steel, stainless steel, high temperature steel, red brass)

| acc. to DIN EN 1092-2 | | | Temperature | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Material** (Body) | | | -60°C up to <-10°C[1)] | -10°C up to 120°C | 150°C | 200°C | 250°C | 300°C | 350°C | 400°C | 450°C |
| **EN-JL1040** (GG-25) | **PN 6** | (bar) | -- | 6 | 5,4 | 4,8 | 4,2 | 3,6 | -- | -- | -- |
| | **PN 16** | (bar) | -- | 16 | 14,4 | 12,8 | 11,2 | 9,6 | -- | -- | -- |
| **EN-JS1049** (GGG-40.3) | **PN 16** | (bar) | on request | 16 | 15,5 | 14,7 | 13,9 | 12,8 | 11,2 | -- | -- |
| | **PN 25** | (bar) | on request | 25 | 24,3 | 23 | 21,8 | 20 | 17,5 | -- | -- |
| | **PN 40** | (bar) | on request | 40 | 38,8 | 36,8 | 34,8 | 32 | 28 | -- | -- |

| acc. to manufacturers standard | | | Temperature | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Material** (Body) | | | -60°C up to <-10°C[1)] | -10°C up to 50°C | 120°C | 150°C | 200°C | 250°C | 300°C | 350°C | 400°C | 450°C |
| **1.0619+N** (GS-C25N) | **PN 10** | (bar) | -- | 10 | 9,2 | 8,8 | 8,3 | 7,6 | 6,9 | 6,4 | 5,9 | 3,2 |
| | **PN 16** | (bar) | 12 | 16 | 16 | 15,3 | 14 | 13 | 11 | 10,2 | 9,5 | 5,2 |
| | **PN 25** | (bar) | 18,7 | 25 | 25 | 23,9 | 22 | 20 | 17,2 | 16 | 14,8 | 8,2 |
| | **PN 40** | (bar) | 30 | 40 | 40 | 38,1 | 35 | 32 | 28 | 25,7 | 23,8 | 13,1 |

| acc. to manufacturers standard | | | Temperature | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Material** (Body) | | | -10°C up to 50°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 400°C |
| **1.0619+N** (GS-C25N) | **PN 63** | (bar) | 63[2)] | 59[2)] | 56[2)] | 53[2)] | 48[2)] | 44[2)] | 41[2)] | 38[2)] |
| | **PN 100** | (bar) | 100[2)] | 93[2)] | 88[2)] | 83[2)] | 76[2)] | 69[2)] | 64[2)] | 60[2)] |
| | **PN 160** | (bar) | 160[2)] | 149[2)] | 141[2)] | 133[2)] | 122[2)] | 110[2)] | 103[2)] | 95[2)] |

| acc. to manufacturers standard | | | Temperature | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Material** (Body) | | | -60°C up to <-10°C[1)] | -10°C up to 120°C | 150°C | 200°C | 250°C | 300°C | 350°C | 400°C | 450°C |
| **1.0460** (C22.8) | **PN 25** | (bar) | 18,7 | 25 | 23,9 | 22 | 20 | 17,2 | 16 | 14,8 | 10 |
| | **PN 40** | (bar) | 30 | 40 | 38,1 | 35 | 32 | 28 | 25,7 | 23,8 | 16 |
| | **PN 63** | (bar) | -- | 63 | 58 | 50 | 45 | 40 | 36 | 32 | 24 |
| | **PN 100** | (bar) | -- | 100 | 90 | 80 | 70 | 60 | 56 | 50 | 38 |
| | **PN 160** | (bar) | -- | 160 | 145 | 130 | 112 | 96 | 90 | 80 | 60 |

| acc. to DIN EN 1092-1 | | | Temperature | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Material** (Body) | | | -60°C up to <-10°C[1)] | -10°C up to 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 400°C | 450°C |
| **1.4408** | **PN 16** | (bar) | 16 | 16 | 14,5 | 13,4 | 12,7 | 11,8 | 11,4 | 10,9 | -- |
| | **PN 25** | (bar) | 25 | 25 | 22,7 | 21 | 19,8 | 18,5 | 17,8 | 17,1 | -- |
| | **PN 40** | (bar) | 40 | 40 | 36,3 | 33,7 | 31,8 | 29,7 | 28,5 | 27,4 | -- |
| **1.4581** | **PN 16** | (bar) | 8 | 16 | 15,6 | 14,9 | 14,1 | 13,3 | 12,8 | 12,4 | -- |
| | **PN 25** | (bar) | 12,5 | 25 | 24,5 | 23,3 | 22,1 | 20,8 | 20,1 | 19,5 | -- |
| | **PN 40** | (bar) | 20 | 40 | 39,2 | 37,3 | 35,4 | 33,3 | 32,1 | 31,2 | -- |
| | **PN 100** | (bar) | 50 | 100 | 98 | 93,3 | 88,5 | 83,3 | 80,4 | 78 | -- |

| acc. to manufacturers standard | | | Temperature | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Material** (Body) | | | -10°C up to 250°C | 300°C | 350°C | 400°C | 450°C | 500°C | 520°C | 530°C | 540°C | 550°C |
| **1.5415** | **PN 63** | (bar) | 63 | 56 | 50 | 47 | 45 | 29 | 16 | 14 | -- | -- |
| | **PN 100** | (bar) | 100 | 87 | 78 | 74 | 70 | 45 | 27 | 22 | -- | -- |
| | **PN 160** | (bar) | 160 | 139 | 125 | 118 | 112 | 72 | 43 | 35 | -- | -- |
| **1.7335** | **PN 63** | (bar) | 63 | 63 | 61 | 58 | 56 | 47 | 32 | 25 | 20 | 15 |
| | **PN 100** | (bar) | 100 | 100 | 95 | 91 | 87 | 74 | 49 | 38 | 31 | 24 |
| | **PN 160** | (bar) | 160 | 160 | 153 | 146 | 139 | 118 | 79 | 62 | 46 | 35 |
| **1.7357** | **PN 63** | (bar) | 63[2)] | 63[2)] | 60[2)] | 57[2)] | 53[2)] | 41[2)] | 28[2)] | 23[2)] | -- | -- |
| | **PN 100** | (bar) | 100[2)] | 100[2)] | 95[2)] | 90[2)] | 84[2)] | 65[2)] | 45[2)] | 37[2)] | -- | -- |
| | **PN 160** | (bar) | 160[2)] | 160[2)] | 152[2)] | 144[2)] | 135[2)] | 104[2)] | 72[2)] | 59[2)] | -- | -- |

| acc. to manufacturers standard | | | Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Material** (Body) | | | -10°C up to 400°C | 450°C | 500°C | 520°C | 530°C | 540°C | 550°C |
| **1.7379** | **PN 63** | (bar) | 63 | 57,2 | 35,7 | 28,4 | 24,7 | 21 | 17,3 |
| | **PN 100** | (bar) | 100 | 90,8 | 56,7 | 45 | 39,2 | 33,3 | 27,5 |
| | **PN 160** | (bar) | 160 | 145,3 | 90,7 | 72 | 62,7 | 53,3 | 44 |

| | | | Temperature | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Material** (Body) | | | -60°C up to <-10°C[1)] | -10°C up to 20°C | 100°C | 150°C | 200°C | 250°C | 300°C | 350°C | 400°C | 450°C |
| **1.4439** | **PN 16** | (bar) | 8 | 16 | 15,5 | 14,6 | 13,9 | 13,2 | 12,4 | 12 | 11,7 | -- |
| | **PN 25** | (bar) | 12,5 | 25 | 24,2 | 22,9 | 21,8 | 20,7 | 19,4 | 18,8 | 18,2 | -- |
| | **PN 40** | (bar) | 20 | 40 | 38,8 | 36,6 | 34,8 | 33,1 | 31,1 | 30 | 29,2 | -- |
| **CC491K / CC499K** | **PN 16** | (bar) | -- | 16 | 16 | 14,9 | 13 | -- | -- | -- | -- | -- |
| | **PN 25** | (bar) | -- | 25 | 25 | 23,1 | 20 | -- | -- | -- | -- | -- |

**Intermediate values for max. permissible operational pressures can be determined by linear interpolation of the given temperature / pressure chart.**

**Pressure-temperature-ratings for steam traps and components refer to page 188**

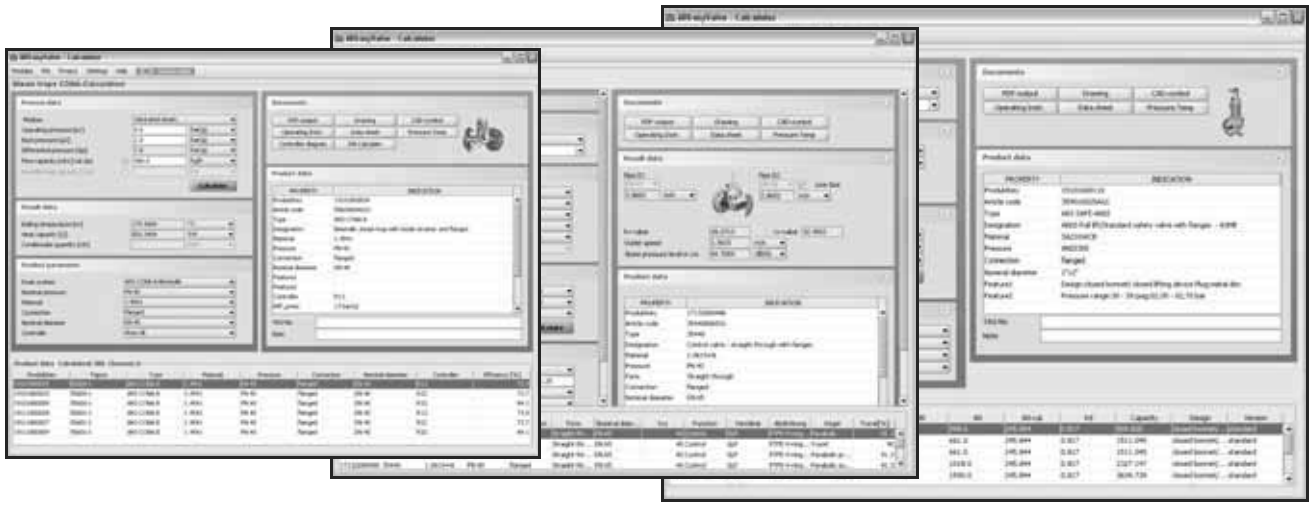


1) Studs and nuts made of A4-70 (at temperatures below -10°C)
2) not for STEVI® 472

# ARI-myValve®

## Your new valve sizing program for Control – Isolation – Safety – Steam trapping.

If the valve type and/or the size is not yet determined, we are offering our assistance for sizing.
Please use our calculating program ARI-myValve®.



**Contents / Module:**

**- Control valves (STEVI® for industry applications and STEVI®-H for HVAC applications)**
Sizing of flow quantity Kv, volume flow Q, pressure drop p, sound level;
Selecting the valve size with given capacity; Selection of the actuator.

**- Butterfly valves - triple offset (ZETRIX®)**
Sizing of flow quantity Kv, volume flow Q, pressure drop p, sound level;
Selecting the valve size with given capacity; Selection of the actuator.
Calculation of torque for actuators in flow from shaft side and flow from disc side, as well as dynamic torque curves to show the maximum value and the opening angle at which it is reached.

**- Pressure reducing valves (PREDU®) / Excess pressure regulator (PREDEX®)**
Sizing of valve-size incl. actuator size with given temperature, capacity, inlet and outlet pressure.

**- Temperature controller (TEMPTROL®):**
Sizing of flow quantity Kv, sound level and selecting the valve size and controller size with given capacity.

**- Pressure regulating valves (PRESO®)**
Sizing of valve-size with given temperature, flow, set pressure, opening pressure and set pressure.

**- Stop valves (FABA®, STOBU®), Check valves (CHECKO®), Balancing valves (ASTRA®/ASTRA®-Plus)**
Sizing of valve-size with given temperature, flow and operating pressure.

**- Safety valves (SAFE DIN EN, SAFE ASME, REYCO Series)**
Sizing of valve-size with given capacity, temperature, set pressure and back pressure;
Calculation acc. to SAFE DIN EN, AD2000, ASME VIII, API520

**- Steam traps (CONA®)**
Sizing of steam trap systems with given flow capacity or heat capacity.
Calculation of nominal diameter acc. to given pressure, condensate quantity, condensate sub-cooling and speed.

**Media:**

Integrated media-databank (more than 160 media) with conditions:
- Gas / vapour
- Steam (saturated and superheated)
- Liquids
- Compressed air

Own media can be managed and additional information can be retrieved.

**Special features:**

- Project administration of the calculation and product data incl. spare part drawings relating to the project and tag number
- Direct output or calculation and product data in PDF format
- Product data could be taken for a direct order
- SI- and ANSI-units with direct conversion to another databank
- Settings with over pressure or absolute pressure
- All ARI valves are integrated in a databank
- Direct access relating to the product on data sheets, operating instructions, pressure-temperature-diagram, controller characteristics, spare part drawings and CAD-symbols
- Operation in company networks possible (no complex installations on individually PC's necessary)
- Extensive catalogue extending over several product groups

**System requirements:** Windows operating systems, Linux, etc.

**A program DVD can be ordered**
**by phone +49 52 07 / 994-0 or fax +49 52 07 / 994-158.**

**Notes**:

**I. Application of the International Conditions of Sale**

1. These International Conditions of Sale apply to all customers of ARI-Armaturen Albert Richter GmbH & Co. KG - hereinafter referred to as ARI - if the relevant place of business of the customer is not in Germany. For customers whose place of business is in Germany, the General Conditions of Sale (Allgemeine Verkaufsbedingungen) of ARI apply, which will be forwarded on request. In each case, the relevant place of business is the one which concludes the contract in its own name.
2. These International Conditions of Sale apply to all contracts made on or after 1 January 2014 whose preponderant object is the supply of goods to the customer. Additional obligations assumed by ARI do not affect the application of these International Conditions of Sale.
3. Conflicting or differing terms of business of the customer do not bind ARI, even if ARI does not object to them or even if ARI unconditionally renders performance or accepts the customer's performance. The provisions of this paragraph equally apply insofar as the terms of business of the customer, irrespective of the contents of these International Conditions of Sale, deviate from statutory provisions.
4. These International Conditions of Sale do not apply, if the customer buys the goods for personal, family or household use and if ARI knew or should have known that at the conclusion of the contract.

**II. Formation of the Contract**

1. The customer is under an obligation to give written notice to ARI prior to the formation of a contract if the goods to be delivered are to be fit not only for normal use or will be used in circumstances which are unusual or which present a particular risk to health, safety or the environment, or which require a more demanding use or if there is a risk of atypical damages or unusual amounts of loss of which the customer is or ought to have been aware.
2. Orders of the customer are to be put in writing. If the customer's order deviates from the proposal or the tender submitted by ARI, the customer will emphasize the differences as such.
3. All orders, in particular also those received by employees of ARI, will take effect exclusively if followed by a written acknowledgement of the order by ARI. The written acknowledgement of the order can be put down in the document serving as well as delivery note. The actual delivery of the goods ordered, any other conduct of ARI or silence on the part of ARI does not allow the customer to assume the formation of the contract. ARI can dispatch such written acknowledgement of the order up to and including fourteen (14) calendar days after the customer's order has been received by ARI. Until this time, the customer's order is irrevocable.
4. The written acknowledgement of the order by ARI shall be received in time, if it is received by the customer within fourteen (14) calendar days after its date of issue. The customer will inform ARI without delay, if the written acknowledgement of the order is received with some delay.
5. The written acknowledgement of the order by ARI sets out all the terms of the contract and brings the contract into effect even if - except for the price for the goods and the quantity to be delivered - the written acknowledgement is not consistent with the declarations of the customer in every respect, especially with reference to the exclusive application of these International Conditions of Sale. Particular wishes of the customer, namely warranties or guarantees with reference to the goods or the performance of the contract therefore require express written confirmation by ARI in every case. The contract will only fail to come into existence if the customer objects in writing that the acknowledgement of the order by ARI is not completely consistent with the declarations of the customer, the customer specifies the deviations in writing and if the objection is received by ARI within a short time, at the latest seven (7) calendar days, after receipt of the written acknowledgement of the order by the customer.
6. Confirmations produced by the customer are of no effect without any objection by ARI being necessary. In particular, neither the actual delivery of the goods, any other conduct of ARI or silence on the part of ARI shall give rise to any belief by the customer in the relevance of his confirmation.
7. ARI´s employees, commercial agents or other sales intermediaries are not authorized to dispense with the requirement of a written acknowledgement of the order by ARI or to make promises which differ from its content or guarantees. If and to what extent such persons are authorized to make or receive declarations with effect for or against ARI, is to be determined according to German law.
8. Amendments to the concluded contract always require written confirmation by ARI.

**III. Obligations of ARI**

1. Subject to an exemption according to section VII.-1. b) ARI must deliver the goods specified in the written acknowledgement of the order and transfer the property in the goods. ARI is not obliged to perform obligations not stated in the written acknowledgment of the order by ARI or in these International Conditions of Sale, in particular ARI is under no obligation if not explicitly agreed upon in writing to furnish information, to supply documents or certificates, or to deliver accessories, to install additional safety devices, to carry out assemblies or to advise the customer.
2. ARI's obligations under the contract made with the customer are owed only to the customer. Third parties not involved in the conclusion of the contract, in particular the customer's clients, are not entitled to request delivery to be made to them or to assert any other claim arising from the customer's contract with ARI. The customer gives ARI an unlimited indemnity against all claims made by third parties against ARI out of the contract made with the customer. The customer's responsibility to take delivery continues to exist even if he assigns rights to third parties.
3. Taking account of the tolerances customary in trade ARI undertakes to deliver to the customer goods of the agreed kind and quantity which meet the common standards applicable in Germany. If the goods cannot be delivered in the condition offered at the time of the formation of the contract because technical improvements to goods of series production were made, ARI is entitled to deliver the goods with the technical improvements. Divergences in measure and size, structure and colour are reserved as far as they result from the nature of the materials used and are customary in trade. ARI is entitled to make part deliveries and to invoice them separately and ensures that at the time of delivery the goods are free from rights or claims of third parties which could prevent its use within the European Union.
4. If further specification is required in relation to the goods to be delivered, ARI will carry this out having regard to his own interests and to the identifiable and legitimate interests of the customer. A request to the customer to specify the goods, or to participate in the specification, is not required. ARI does not undertake to inform the customer of the specification he has made or to give the customer the option of a differing specification.
5. ARI undertakes to place the goods packaged and marked according to ARI's standard at disposal for collection by the customer FCA (Incoterms 2010) at the place of delivery indicated in the written acknowledgement of the order or - if a place of delivery is not indicated - at the premises in 33758 Schloß Holte-Stukenbrock/Germany at the agreed time of delivery. Previous separation or marking of the goods or notification to the customer of the goods being placed at disposal is not required. Under no circumstances, not even when other Incoterms are agreed is ARI obliged to inform the customer of the delivery, to examine the goods with respect to their conformity with the contract on the occasion of delivery, to check the operational safety of the means of transport and the transportation safe loading or to furnish proof of the delivery being effected. The agreement of other Incoterms or of clauses such as „delivery free.....“ or similar ones merely involve a varia¬tion of the provisions as to the transportation and the transportation costs; besides that, the provisions laid down in these International Conditions of Sale remain applicable.
6. The organization of the transport and the insurance of the goods beyond the place of delivery decisive according to section III.-5. is none of ARI's obligations, but is incumbent to the customer. If the customer does not give a counter instruction in writing in time, ARI is entitled - without the customer asking for it or without existing such a commercial practice - to contract on terms usual in Germany in the customer's name and at the customer's risk and expense for carriage and/or insurance of the goods to the destination indicated in writing by the customer and - if such a destination is not indicated - to the place of business of the customer.
7. Agreed delivery time periods or delivery dates are subject to the customer's procuring any required documents, releases, permits, approvals, licences or any other authorizations or consents in sufficient time, opening letters of credit and/or making down-payments as agreed and performing all other obligations incumbent upon him properly and in good time and subject to no delay caused by pre-shipment inspections mandated by authorities. Moreover, agreed delivery time-periods begin on the date of the written acknowledgement of the order by ARI. ARI is entitled to deliver earlier than at the agreed delivery time or to select the date of delivery within the agreed period for delivery.
8. Without prejudice to his continuing legal rights, ARI is entitled to fulfil his obligations after the delivery time agreed upon, if the customer is informed that ARI will exceed the delivery time limit and of the time period for late performance. Subject to the aforesaid conditions, ARI is entitled to make repeated attempts at late performance. The customer can object to late performance within reasonable time, if the late performance is unreasonable. An objection is only effective, if it is received by ARI before commencing late performance. ARI will reimburse necessary additional expenditure, proven and incurred by the customer as a result of exceeding the delivery time to the extent that ARI is liable for this under the provisions laid down in section VII.
9. Risks as to price and performance even in relation to goods which are not clearly identifiable to the contract and without it being necessary for ARI to give notice, pass to the customer with delivery pursuant to section III.-5., albeit irrespective of delivery as soon as the title to the goods has passed to the customer. The loading of the goods is part of the customer`s obligations. The agreement of other Incoterms or of clauses such as „delivery free.....“ or similar ones merely involve a varia¬tion of the provisions as to the transportation and the transportation costs; besides that, the provisions laid down in these International Conditions of Sale remain applicable.
10. ARI is not obliged to clear the goods for export. However, ARI will apply for necessary export licences and customs formalities necessary for the export after the customer has furnished ARI with the data essential for the export in a written notice attending to this purpose exclusively. If the goods are not cleared for export without any fault on the part of ARI, ARI is entitled to avoid the contract of sale in whole or in part without compensation. The agreement of other Incoterms or of clauses such as „delivery free.....“ or similar ones merely involve a variation of the provisions as to the transportation and the transportation costs; besides that, the provisions laid down in these International Conditions of Sale remain applicable.
11. ARI is not obliged to procure documents or certificates not expressly agreed, to obtain any licences, authorizations or other documents necessary for the export, transit or import, or to provide security or customs clearance. The agreement of other Incoterms or of clauses such as „delivery free.....“ or similar ones merely involve a varia¬tion of the provisions as to the transportation and the transportation costs; besides that, the provisions laid down in these International Conditions of Sale remain applicable.
12. ARI is in no case liable to perform duties associated with the making available of the goods on the market outside Germany, to bear levies, duties and charges accruing outside Germany, to comply with weight and measuring systems, packaging, labelling or marking requirements or registration or certification obligations applicable outside Germany or to comply with any other legal provisions applicable to the goods outside Germany. The customer will arrange for translations in any language other than German of instructions, safety information, performance declarations or other written materials about the goods required by law or called for otherwise at his risk and expense.
13. Without prejudice to his continuing legal rights and without a previous notice to the customer being necessary, ARI is entitled to suspend the performance of his obligations so long as, in the opinion of ARI, there are grounds for concern that the customer will wholly or partly fail to fulfil his obligations in accordance with the contract. In particular, the right to suspend arises if the customer insufficiently performs his obligations to enable payment to ARI or a third party or pays late or if the limit set by a credit insurer has been exceeded or will be exceeded with the forthcoming delivery. Instead of suspending performance ARI is entitled at his own discretion to make future deliveries, even if confirmed, conditional on payment in advance or on opening of a letter of credit confirmed by one of the big German commercial banks. ARI is not required to continue with performance of his obligations, if an assurance given by the customer to avoid the suspension does not provide adequate security or could be challenged pursuant to an applicable law.
14. Except as provided in section III.-8., ARI is only obliged to inform the customer of possible disruption in performance, once the commencement of the disruption is definitely certain for ARI.

**IV. Obligations of the Customer**

1. Irrespective of continuing obligations of the customer to guarantee or to enable payment, the customer undertakes to pay the agreed price for the goods in the currency specified in the written acknowledgement of the order transferring it without deduction and free of expenses and costs to one of the financial institutions designated by ARI. To the extent that a price for the goods has not been agreed, the price which is at the agreed time of delivery ARI's usual price for the goods will apply. ARI's employees, commercial agents or other sales intermediaries are not authorized to accept payments.
2. The payment to be made by the customer is in any event due for payment at the time specified in the written acknowledgement of the order or - if a time for payment is not indicated - on receipt of the invoice. The due time for payment arises without any further pre-condition and, in particular, does not depend on whether the customer has already taken delivery of the goods and/or the documents and/or has had an opportunity to examine the goods. The periods granted for payment will cease to apply and outstanding accounts will be due for immediate payment, if insolvency proceedings relating to the assets of the customer are applied for, if the customer without providing a justifiable reason does not meet fundamental obligations due towards ARI or towards third parties, if the customer has provided inaccurate information regarding his creditworthiness or to the extent that the cover given by a credit insurer is reduced on grounds for which ARI is not responsible.
3. The customer warrants that all legal requirements and documentations for the handling regarding customs laws and value added tax of the delivery and/or any service will be fulfilled. To the extent that ARI has to pay German and/or foreign customs duties and/or value added tax, the customer will indemnify ARI in all and every respect without prejudice to any continuing claim by ARI. The indemnity is granted by the customer waiving any further requirements or other defences, in particular waiving the defence of limitation or prescription and also includes the reimbursement of the expenses incurred by ARI.
4. Regardless of the currency and of the jurisdiction of any court, ARI is entitled at his own discretion to set off incoming payments against claims existing against the customer by virtue of his own or assigned rights at the time of payment.
5. Any statutory rights of the customer to set-off against claims of ARI, to withhold payment or taking delivery of the goods, to suspend the performance of his obligations or to raise defences or counterclaims are excluded, except where the corresponding claim of the customer against ARI is in the same currency, is founded in the customer's own right and is either due and undisputed or has been finally adjudicated or where despite written warning by the customer ARI has committed a fundamental breach of his obligations due and arising out of the same contractual relationship, and has not offered any adequate assurance.
6. The customer undertakes to furnish ARI with the data to apply for the customs formalities according to section III.-10. reasonable time ahead, to take delivery of the goods either by himself or by a person appointed by him to ARI at the delivery time without taking any additional period of time and at the place of delivery resulting from section III.-5. and shall fulfil all the duties imposed by the contract, by these International Conditions of Sale, by the rules of the ICC for the use of Incoterms® 2010 and by statutory provisions. The customer is only entitled to refuse to take delivery of the goods if he avoids the contract in accordance with the rules in section VI.-1.
7. Irrespective of any statutory provisions, the customer shall at his own cost take care of or in any other way ensure renewed utilization, material recycling or otherwise prescribed waste-disposal of the goods delivered by ARI to the customer and of the packaging material.

**V. Delivery of non-conforming Goods or Goods with Defective Title**

1. Without prejudice to any exclusion or reduction of liability of the seller provided by law, goods do not conform with the contract if the customer proves that, taking into account the terms in section III., at the time the risk passes the packaging, quantity, quality or the description of the goods is significantly different to the specifications laid down in the written acknowledgement of the order, or in the absence of agreed specifications, the goods are not fit for the purpose which is usual in Germany. Regardless of the stipulation established in sentence 1, the goods shall be deemed to conform with the contract to the extent that the legal regulations applicable at the place of business of the customer do not prevent the usual use of the goods.
2. To the extent that the written acknowledgement of the order by ARI does not contain an explicit statement to the contrary, ARI is in particular not liable for the goods being fit for a purpose which is not usual in Germany or for complying with further reaching expectations of the customer or for possessing the qualities of a sample or a model or for their compliance with the legal regulations existing outside of Germany, for instance in the customer's country. In particular, slogan-like definitions, references to generally accepted norms, the use of brands, trade-marks, adverts or prospectus do not in themselves constitute a guarantee. ARI shall also not be liable for any non-conformity with the contract that did not exist at the time the risk has passed. To the extent that the customer, either himself or through third parties, initiates the removal of non-conformities without the prior consent of ARI in writing, ARI will be released from his liability.
3. The customer is obliged vis-à-vis ARI to examine or to have examined every single delivery comprehensively for any discoverable or typical lack of conformity with the contract and moreover as required by law.
4. Without prejudice to any exclusion or reduction of liability of the seller provided by law, goods have a deficiency in title if the customer proves that the goods are not free from enforceable rights or claims of third parties at the time risk passes. Without prejudice to further legal requirements, third parties rights or claims founded on industrial or other intellectual property constitute a deficiency in title only to the extent that the rights are registered, made public and in legal force in Germany and prevent the usual use of the goods in Germany. Regardless of the stipulation established in sentence 1, title to the goods shall be deemed not to be defective to the extent that the legal regulations applicable at the place of business of the customer do not prevent the usual use of the goods.
5. Without prejudice to the statutory obligations of the customer to give notice within reasonable time, the customer is obliged vis-à-vis ARI to give notice to ARI of any lack of conformity with the contract or any deficiency in title at the latest within one (1) year after taking delivery in accordance with section IV.6. Such notice has to be made in writing and directly to ARI and to be formulated in such a precise manner as to enable ARI to effect remedy measures without need for further inquiries at the customer and to secure claims against ARI's suppliers and moreover as required by law. ARI's employees, commercial agents or other sales intermediaries are not authorised to accept notices outside ARI's premises or to make any statements concerning lack of conformity with the contract or of title and its consequences.
6. Following due notice according to section V.-5., the customer can rely on the remedies provided by these International Conditions of Sale. The customer has no other rights or claims whatsoever and no claims of a non-contractual nature. In the event of notice not having been properly given, the customer may only rely on remedies if ARI has fraudulently concealed the lack of conformity with the contract or the deficiency in title. Statements by ARI as to the lack of conformity with the contract or as to the deficiency in title are for the purpose of explaining the factual position only, but do not entail any waiver by ARI of the requirement of proper notice.
7. The customer is not entitled to remedies for delivery of non-conforming goods or goods with a deficiency in title, insofar as the customer is liable vis-à-vis third parties for conditions of the goods or their fitness for a use which are not subject of the agreement with ARI, or if the customer's claim is based on foreign law not in force in Germany.
8. To the extent that the customer in accordance with the terms of these International Conditions of Sale is entitled to remedies because of delivery of non-conforming goods or goods with defective title, he is entitled to demand in accordance with the terms of the UN Sales Convention delivery of substitute goods or repair or to reduce the price for the goods. The delivery of substitute goods or repair does not lead to a recommencement of the limitation period. The reduction of the price for the goods is limited to the damages suffered by the customer. Further claims for performance are not available to the customer. Irrespective of the customer's remedies, ARI is always entitled in accordance with the provision in section III.-8. to repair goods which do not conform with the contract or to supply substitute goods or to avert the customer's remedies by giving him a credit note of an appropriate amount.

**VI. Avoidance of the Contract**

1. The customer is entitled to declare the contract avoided, if the respective applicable legal requirements are complied with, after he has threatened ARI with avoidance of the contract in writing and an additional period of time of reasonable length for performance fixed in writing has expired to no avail. If the customer claims delivery of substitute goods, repair or other performance, he is bound for a reasonable period of time to the chosen remedy, without being able to exercise the right of declaring the contract avoided. In any event, the customer must give notice of avoidance of the contract within reasonable time in writing and to ARI directly.
2. Without prejudice to his continuing legal rights, ARI is entitled to avoid the contract in whole or in part if the customer objects to the application of these International Conditions of Sale, if on grounds for which ARI is not responsible the written acknowledgement of the order by ARI is received by the customer more than fourteen (14) calendar days after its date of issue, if insolvency proceedings relating to the assets of the customer are applied for, if ARI through no fault of his own does not receive supplies properly or on time, or if for other reasons ARI cannot be expected to fulfil his obligations by means which - taking into consideration his own interests and that of the customer as far as ascertainable and legitimate at the time of formation of the contract - are unreasonable, in particular in relation to the agreed counter-performance. Likewise ARI is entitled to avoid the contract after prior warning if the customer does not furnish ARI with the data necessary to apply for customs formalities in due time, if the customer without providing a justifiable reason does not meet fundamental obligations due towards ARI or towards third parties, if the customer has provided inaccurate information regarding his creditworthiness or to the extent that the cover given by a credit insurer is reduced on grounds for which ARI is not responsible.

**VII. Damages**

1. Without waiving the legal requirements ARI is only obliged to pay damages due to the violation of obligations resulting from the contract with the customer, the contractual negotiations carried on with the customer or the business relation with the customer in accordance with the following provisions:

a) The customer is required in the first instance to rely on other remedies and can only claim damages in the event of a continuing deficiency. The customer cannot claim damages as an alternative to other remedies.

b) ARI is not liable for the conduct of suppliers, subcontractors, carriers or freight-forwarders or for damages to which the customer has contributed. Neither is ARI liable for impediments which occur, as a consequence of natural or political events, acts of state, industrial disputes, sabotage, accidents, terrorism, biological, physical or chemical processes or comparable circumstances and which cannot be controlled by ARI with reasonable means. Moreover, ARI is only liable to the extent that the customer proves that the executive bodies or members of staff of ARI have deliberately or negligently breached contractual obligations owed to the customer.

c) In the event of liability ARI will compensate within the limits of lit. d) the losses of the customer to the extent that the customer proves that he has suffered an unavoidable loss caused by the breach of obligations owed to the customer by ARI and foreseeable to ARI, at the time of the formation of the contract in respect of the occurrence of the loss and its amount. Moreover, the customer is required to mitigate his loss as soon as a breach of contract is or ought to be known.

d) ARI is not liable for loss of profit or damage to reputation. Moreover, the amount of damages for late or non-existent delivery is limited to 0,5 per cent for each full week of delay, up to a maximum of 5 per cent, and in case of remedies because of delivery of non-conforming goods and/or goods with a deficiency in title is limited to an amount of 200 per cent of the value of the non-conforming part of the contract. However, this subparagraph does not apply to injury of life, body or health, to fraudulent concealment of the non-conformity or deficiency in title of the goods and to other breaches of contractual obligations due to intentional harm or gross negligence.

e) For breach of contractual, pre-contractual and/or obligations resulting from the business relation owed to the customer, ARI is obliged to pay damages exclusively in accordance with the provisions of these International Conditions of Sale. Any recourse to concurrent bases of claim, in particular of a non-contractual nature, is excluded. Equally excluded is any recourse against ARI's company organs, employees, servants, members of staff, representatives and/or those employed by ARI in the performance of his obligations on grounds of breach of contractual obligations owed by ARI.

f) Insofar as the limitation period may not already have barred the claim, claims for damages brought by the customer are excluded after six (6) months beginning with the rejection of the claim for damages by ARI.

2. Irrespective of continuing legal or contractual claims the customer is obliged to pay damages to ARI as follows:

a) In the event of delay in payment the customer will pay the costs of judicial and extra-judicial means and proceedings, usual and accruing within the country and abroad, as well as (without evidence being necessary) interest at the rate applicable in 33758 Schloß Holte-Stukenbrock/Germany for unsecured short-term loans in the agreed currency, at least however interest at 8 per-cent points over the base rate of the German Federal Bank (Deutsche Bundesbank).

b) In the case of a failure to take delivery of the goods by the customer or of seriously late taking delivery of the goods by the customer, ARI is entitled to claim damages without evidence being necessary up to 15 per cent of the value of the goods to be delivered.

3. Within the bounds of what is legally possible as well as within what is usual in the trade, the customer is in his commercial relationships with his clients obliged to limit his liability both in principle and in amount.

**VIII. Other Provisions**

1. Title of the goods that have been delivered remains with ARI until settlement of all claims existing against the customer. The allocation of risk as to price and performance in section III.-9. is not affected by the reservation of title.
2. The customer shall, without any demand being necessary, inform ARI in writing if ARI has to observe any particular duties of reporting or registration or providing information or prior notification or retaining documents or any other requirements for access to market, under the provisions in force in the customer's country or in the country where the goods are to be used. Moreover, the customer will monitor the delivered goods in the market and inform ARI directly and in writing of any concern that the goods might pose a risk to third parties.
3. Without prejudice to ARI's continuing claims, the customer will indemnify ARI without limit against all claims of third parties which are brought against ARI on the grounds of product liability or similar provisions, to the extent that the liability is based on circumstances which - such as, for example, the presentation of the product - were caused by the customer or other third parties without express written consent of ARI. In particular, the indemnity also includes the reimbursement for expenses incurred by ARI and is granted by the customer waiving further conditions or other objections, in particular without requiring compliance with control and recall obligations, and waiving any defence of limitation.
4. In relation to pictures, drawings, calculations and other documents as well as computer-software, which have been made available by ARI in a material or electronic form, the latter reserves all proprietary rights, copyrights, other industrial property rights as well as know-how rights.
5. All communications, declarations, notices etc. are to be drawn up exclusively in German or English. Communications by means of fax or e-mail fulfil the requirement of being in writing.

**IX. General Basis of Contracts**

1. The place of delivery results from section III.-5. of these International Conditions of Sale and applies likewise to the delivery of substitute goods or the repair of delivered goods. The place of payment and performance for all the rest of obligations arising from the legal relationship between ARI and the customer is 33758 Schloß Holte-Stukenbrock/Germany. These provisions also apply if ARI assumes the costs of money remittance, renders performance for the customer somewhere else or payment is to be made in exchange of documents or goods or in the case of restitution of performances already rendered. The agreement of other Incoterms or of clauses such as „delivery free....." or similar ones merely involve a varia¬tion of the provisions as to the transportation and the transportation costs; besides that, the provisions laid down in these International Conditions of Sale remain applicable.
2. The United Nations Convention of 11 April 1980 on Contracts for the International Sale of Goods (UN Sales Convention / CISG) in the English version governs the legal relationship with the customer. The UN Sales Convention applies, above and beyond its own area of application, and regardless of reservations adopted by other states, to all contracts to which these International Conditions of Sale are to be applied according to the provisions of section I. Where standard terms of business are used, in case of doubt the Incoterms® 2010 of the International Chamber of Commerce apply taking into account the provisions stipulated in these International Conditions of Sale.
3. The formation of contract, including agreements as to the jurisdiction of courts and arbitrators, and the rights and obligations of the parties, also including the liability for death or personal injury caused by the goods to any person and breach of pre-contractual and collateral obligations, as well as the interpretation are exclusively governed by the UN Sales Convention together with these International Conditions of Sale. Subject to differing provisions in these International Conditions of Sale, the rest of the legal relationship between the parties is governed by the Swiss Code of Obligations.
4. All contractual and extra-contractual disputes as well as disputes under insolvency law, arising out of or in connection with contracts to which these International Conditions of Sale apply, including their validity, invalidity, violation or cancellation as well as other disputes arising out of the business relationship with the customer shall be finally resolved, without recourse to the ordinary courts of law, by arbitration according to the Swiss Rules of International Arbitration (Swiss Rules) in force on the date when the Notice of Arbitration is received in accordance with these Rules. The tribunal shall consist of three arbitrators, one (1) of them shall be nominated by the claimant, one (1) of them by the respondent and the chairman of the tribunal shall be designated by the two arbitrators so nominated, or if the amount in dispute is inferior to € 100.000, there shall be one (1) arbitrator appointed according to the Swiss Rules of International Arbitration. The place of the arbitration shall be Zurich/Switzerland, the languages used in the arbitral proceedings shall be German and/or English. The competence of the Arbitral Tribunal excludes especially every statutory competence, which is provided by reason of a personal or substantive relation. If this arbitration clause is ineffective or ceases to be effective, the exclusive local and international jurisdiction of the courts which have jurisdiction for 33758 Schloß Holte-Stukenbrock/Germany is agreed for all disputes instead. Instead of bringing an action before the arbitral tribunal and irrespective of any ineffectiveness of the arbitration clause, ARI is also entitled to bring an action before the State Court which has jurisdiction for 33758 Schloß Holte-Stukenbrock/Germany or the State Court of the customer's place of business, or any national court with jurisdiction according to domestic or foreign law.
5. If provisions of these International Conditions of Sale should be or become partly or wholly ineffective, the remaining arrangements will continue to apply. The parties are bound to replace the ineffective provision with a legally valid provision, as close as possible to the commercial meaning and purpose of the ineffective provision.



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**Prices do not include VAT, transport insurance and packing charges.**
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**Herewith our pricelist 2016 gets invalid.**

# Benefit from ARI's versatile Technology for Thermal Processing!

## e.g.

…for safe pressure reduction and adjustment
(using ARI-PREDU® or ARI-STEVI®).
Optional: Bypass with ARI-FABA® and orifice plate.

## e.g.

…for unrestricted condensate return.
With digital indication of the condensate temperature
on the integrated pump and level control.

## e.g.

… for waterhammer-free heat exchange from steam
to water by a steam or condensate based control
(using ARI-STEVI® oder ARI-TEMPTROL®).

## e.g. feed water tank with degassing dome...

…for feeding returned condensate and fresh water to
the boiler via the deaerator dome and the feed water tank.
By removing inert gases from the condensate / fresh water
the boiler life is optmised

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