

ARI-Strainer - Screen of stainless steel DN 10 - 50

ARI-Strainer - Straight through with flanges

- TRB 801 Annex II No. 45

Cast steel
Forged steel
High temp.
Steel

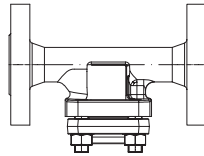


Fig. 050

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ARI-Strainer - Straight through with butt weld ends

- TRB 801 Annex II No. 45

Cast steel
Forged steel
High temp.
Steel

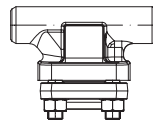


Fig. 080

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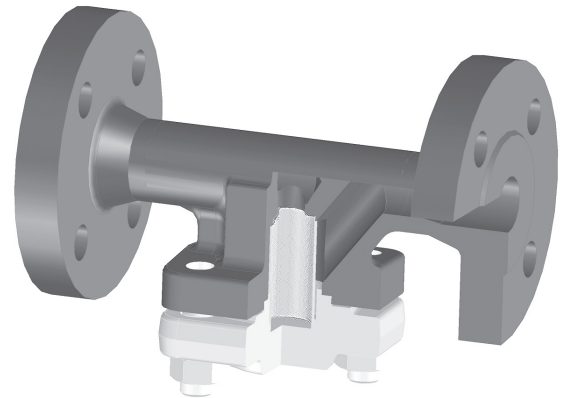


Fig. 080

Features:

- Screen of stainless steel
- Screen from DN50 with reinforced ring
- Precise guidance of screen in cover and body

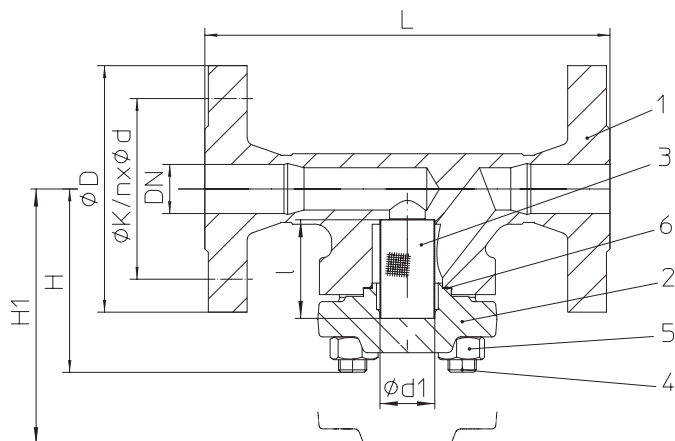
Strainer - straight through with flanges (Forged steel, High temperature steel)


Figure	Nominal pressure	Material	Nominal diameter
48.050....40	PN63-160	1.0460	DN10-40
46.050....40	PN63	1.0460	DN50
48.050....40	PN100-160	1.0460	DN50
88.050....81	PN63-160	1.7335	DN10-40
86.050....81	PN63	1.7335	DN50
88.050....81	PN100-160	1.7335	DN50

Parts				
Pos.	Sp.p.	Description	Fig. 46./48.050....40	Fig. 86./88.050....81
1		Body	P250 GH, 1.0460	13CrMo4-5, 1.7335
2		Cover	P250 GH, 1.0460	13CrMo4-5, 1.7335
3	x	Screen	X6CrNiMoTi17-12-2, 1.4571	
4		Stud	21CrMoV 5-7, 1.7709	
5		Hexagon nut	21CrMoV 5-7, 1.7709	
6	x	Gasket	Pure graphite (CrNi laminated with graphite)	
L Spare parts				

DN	10	15	20	25	32	40	50
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Face-to-face dimension FTF series 2 acc. to DIN EN 558		Standard-flange dimensions refer to page 6						
L	(mm)	210	210	230	230	260	260	300

Dimensions								
H	(mm)	105	105	105	105	145	145	160
H1	(mm)	150	150	150	150	200	200	220
l	(mm)	56	56	56	56	68	68	70
Ød1	(mm)	31	31	31	31	46	46	56
Standard screen	Mesh width (mm)	1	1	1	1	1	1	1
Ratio of the free screen surface area to the area of the nominal diameters.		30	13	8	5	5	3	2,7
Zeta-value ... range of tolerance for Kvs-values acc. to VDI/VDE 2173								

Weights								
46./86.050	(kg)	--	--	--	--	--	--	23,3
48./88.050	(kg)	6,8	7	8,6	9,6	16	18	23,5

Information / restriction of technical rules need to be observed!

 Operating and installation instructions can be downloaded at www.ari-armaturen.com.

The engineer, designing a system or a plant, is responsible for the selection of the correct valve.

Resistance and fitness must be verified (or contact the manufacturer for information).

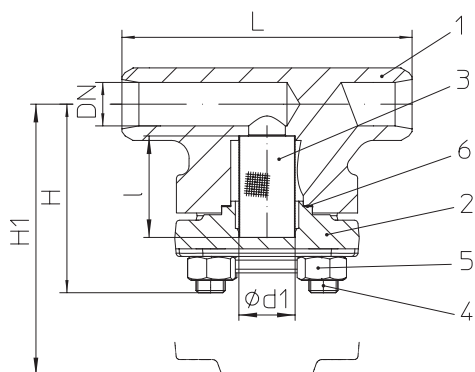
Strainer - straight through with butt weld ends (Forged steel, High temperature steel)


Figure	Nominal pressure	Material	Nominal diameter
48.080...40	PN160	1.0460	DN10-50

88.080...81	PN160	1.7335	DN10-50
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Butt weld ends according to DIN EN 12627 (refer to page 5)

Parts				
Pos.	Sp.p.	Description	Fig. 48.080...40	Fig. 88.080...81
1		Body	P250 GH, 1.0460	13CrMo4-5, 1.7335
2		Cover	P250 GH, 1.0460	13CrMo4-5, 1.7335
3	x	Screen	X6CrNiMoTi17-12-2, 1.4571	
4		Stud	21CrMoV 5-7, 1.7709	
5		Hexagon nut	21CrMoV 5-7, 1.7709	
6	x	Gasket	Pure graphite (CrNi laminated with graphite)	
		L Spare parts		

DN	10	15	20	25	32	40	50
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Face-to-face dimension ETE series 65 acc. to DIN EN 12982								
L	(mm)	150	150	150	160	180	210	250

Dimensions									
H	(mm)	105	105	105	105	145	145	160	
H1	(mm)	150	150	150	150	200	200	220	
l	(mm)	56	56	56	56	68	68	70	
Ød1	(mm)	31	31	31	31	46	46	56	
Standard screen	Mesh width	(mm)	1	1	1	1	1	1	
Ratio of the free screen surface area to the area of the nominal diameters.			30	13	8	5	5	3	2,7
Zeta-value ... range of tolerance for Kvs-values acc. to VDI/VDE 2173									

Weights								
48.080 / 88.080	(kg)	4,6	4,6	4,6	4,7	10,2	10,2	12,7

Information / restriction of technical rules need to be observed!

Operating and installation instructions can be downloaded at www.ari-armaturen.com.

The engineer, designing a system or a plant, is responsible for the selection of the correct valve.

Resistance and fitness must be verified (or contact the manufacturer for information).

Pressure-temperature-ratings Intermediate values for max. permissible operational pressures can be determined by linear interpolation of the given temperature / pressure chart.

acc. to manufacturers standard		-10°C to 50°C	120°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C
1.0460	PN 63 (bar)	63	63	58	50	45	40	36	32	24
	PN 100 (bar)	100	100	90	80	70	60	56	50	38
	PN 160 (bar)	160	160	145	130	112	96	90	80	60

acc. to manufacturers standard		-10°C to 250°C	300°C	350°C	400°C	450°C	500°C	520°C	530°C	540°C	550°C
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

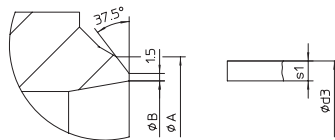
DN	10	15	20	25	32	40	50
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Standard-flange dimensions Flanges according to DIN 2501, Facing acc. to DIN 2526 Form E (Flange holes / -thickness tolerances acc. to DIN 2546/2547/2548)

PN63	ØD	(mm)	100	105	130	140	155	170	180
	ØK	(mm)	70	75	90	100	110	125	135
n x Ød	(mm)	4 x 14	4 x 14	4 x 18	4 x 18	4 x 22	4 x 22	4 x 22	
PN100	ØD	(mm)	100	105	130	140	155	170	195
	ØK	(mm)	70	75	90	100	110	125	145
	n x Ød	(mm)	4 x 14	4 x 14	4 x 18	4 x 18	4 x 22	4 x 22	4 x 26
PN160	ØD	(mm)	100	105	130	140	155	170	195
	ØK	(mm)	70	75	90	100	110	125	145
	n x Ød	(mm)	4 x 14	4 x 14	4 x 18	4 x 18	4 x 22	4 x 22	4 x 26

Valves with butt weld ends

L = Face-to-face dimension
Edge shaping acc. to DIN EN 25817



Ød3 / s1 = corresponding pipe dimension

DN	10	15	20	25	32	40	50
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Butt weld ends according to DIN EN 12627

L	(mm)	150	150	150	160	180	210	250
PN63	ØA (mm)	on request						
	ØB (mm)							
	Ød3 (mm)							
	s1 (mm)							
PN100	ØA (mm)	on request						
	ØB (mm)							
	Ød3 (mm)							
	s1 (mm)							
PN160	ØA (mm)	18	22	28	35	44	50	62
	ØB (mm)	13,2	17,3	22,3	27,3	35,2	41,1	52,3
	Ød3 (mm)	17,2	21,3	26,9	33,7	42,4	48,3	60,3
	s1 (mm)	2	2	2,3	3,2	3,6	3,6	4

Face-to-face dimension ETE series 65 acc. to DIN EN 12982.

The material used for ARI valves with butt weld ends are:
P250GH, 1.0460 acc. to DIN EN 10222-2
16Mo3, 1.5415 acc. to DIN EN 10222-2
13CrMo4-5, 1.7335 acc. to DIN EN 10222-2

Please indicate when ordering:

- Figure-No.
- Nominal pressure
- Nominal diameter
- Special design / accessories

Example:

Figure 46.050; Nominal pressure PN63;
Nominal diameter DN50.

Dimensions in mm
Weights in kg
1 bar $\hat{=}$ 10⁵ Pa $\hat{=}$ 0,1 MPa
Kvs in m³/h



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GERMAN QUALITY VALVES

ARI-Armaturen Albert Richter GmbH & Co. KG, D-33756 Schloß Holte-Stukenbrock,
Tel. +49 52 07 / 994-0, Telefax +49 52 07 / 994-158 or 159 Internet: <http://www.ari-armaturen.com> E-mail: info.vertrieb@ari-armaturen.com