

ANSI-Safety Relief Valve

Full Nozzle with thread ends (optional: flanges (ANSI 150 - 2500) / socket weld ends / butt-weld ends)

ARI-REYCO RL14 Series

ANSI-Safety Relief Valve with male thread / female thread

- Specifications: Area 0,078 in²
Area 0,122 in²
- ASME Code Section VIII-Division 1.

• UV-stamp NB-stamp
uv 

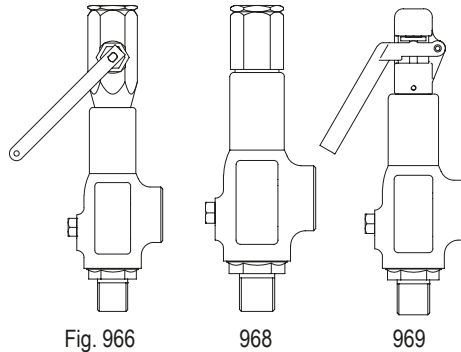


Fig. 966

968

969

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ARI-REYCO RL40/41 Series

ANSI-Safety Relief Valve with female thread / female thread

- Specifications: Area 0,152 in²
Area 0,235 in²
Area 0,563 in²
- ASME Code Section VIII-Division 1.

• UV-stamp NB-stamp
uv 

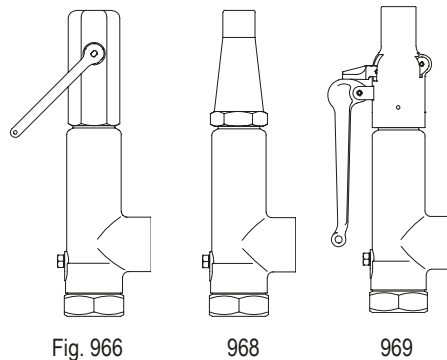


Fig. 966

968

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optional:

with female thread / female thread
with male thread / female thread
with socket weld end / socket weld end
with butt-weld end / socket weld end
with flanges

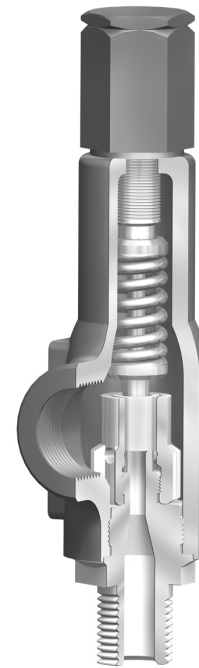
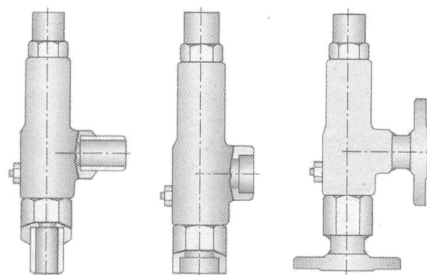


Fig. 968
gastight cap

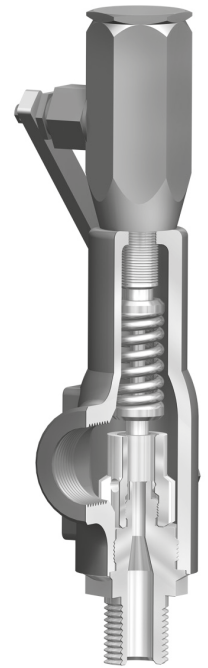


Fig. 966
closed lifting device

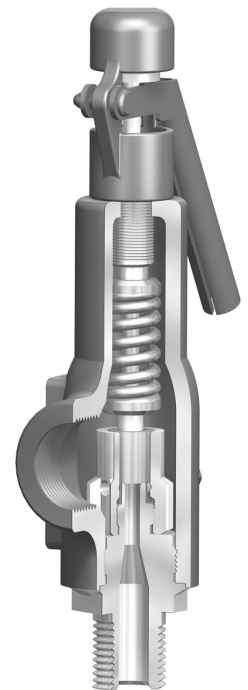


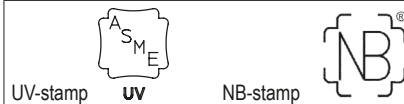
Fig. 969
open lifting device

Features:

- Direct loaded with spring
- Wear resistant seat/disc
- Precision disc alignment and guide
- Possible with soft seal disc

ARI-REYCO RL Series - Safety Relief Valve (Full Nozzle)

Figure	Nominal pressure	Material	Connection (inlet / outlet)	Valve size	Orifice	Temperature range
39.966 / 968 / 969	ANSI1500	SA216WCC	male thread NPT / female thread NPT	1/2" x 1" - 1" x 1"	A, D	• Spring: Chrome vanadium -75°F up to +650°F • Spring: Inconel -75°F up to +750°F
39.966 / 968 / 969	ANSI1500	SA216WCC	female thread NPT / female thread NPT	3/4" x 1" - 2" x 2"	B, C, G	
39.966 / 968 / 969	ANSI1500	SA216WCC	female thread NPT / female thread NPT	1/2" x 1" - 1" x 1"	A, D	
39.966 / 968 / 969	ANSI1500	SA216WCC	male thread NPT / female thread NPT	3/4" x 1" - 2" x 2"	B, C, G	
39.966 / 968 / 969	ANSI1500	SA216WCC	socket weld ends / socket weld ends	1/2" x 1" - 2" x 2"	B, C, G	
39.966 / 968 / 969	ANSI1500	SA216WCC	butt-weld ends / socket weld ends	1/2" x 1" - 2" x 2"	A, D, B, C, G	
32.966 / 968 / 969	ANSI150/150	SA216WCC	flanges ASME B16.5 / flanges ASME B16.5 (Versions: refer to page 4 - 10)	1/2" x 1" - 2" x 2"	A, D, B, C, G	
35.966 / 968 / 969	ANSI300/(150)300	SA216WCC		1/2" x 1" - 2" x 2"		
37.966 / 968 / 969	ANSI600/(150)300	SA216WCC		1/2" x 1" - 2" x 2"		
38.966 / 968 / 969	ANSI900/300	SA216WCC		1/2" x 1" - 1" x 2"		
39.966 / 968 / 969	ANSI1500/300	SA216WCC		1/2" x 1" - 2" x 2"		
3c.966 / 968 / 969	ANSI2500/300	SA216WCC		3/4" x 2" - 1" x 2"		
59.966 / 968	ANSI1500	SA351CF8M	male thread NPT / female thread NPT	1/2" x 1" - 1" x 1"	A, D	• Spring: Stainless steel -400°F up to +750°F • Spring: Inconel -75°F up to +750°F
59.966 / 968	ANSI1500	SA351CF8M	female thread NPT / female thread NPT	3/4" x 1" - 2" x 2"	B, C, G	
39.966 / 968	ANSI1500	SA351CF8M	female thread NPT / female thread NPT	1/2" x 1" - 1" x 1"	A, D	
59.966 / 968	ANSI1500	SA351CF8M	male thread NPT / female thread NPT	3/4" x 1" - 2" x 2"	B, C, G	
59.966 / 968	ANSI1500	SA351CF8M	socket weld ends / socket weld ends	1/2" x 1" - 2" x 2"	B, C, G	
59.966 / 968	ANSI1500	SA351CF8M	butt-weld ends / socket weld ends	1/2" x 1" - 2" x 2"	A, D, B, C, G	
52.966 / 968	ANSI150/150	SA351CF8M	flanges ASME B16.5 / flanges ASME B16.5 (Versions: refer to page 5 - 11)	1/2" x 1" - 2" x 2"	A, D, B, C, G	
55.966 / 968	ANSI300/(150)300	SA351CF8M		1/2" x 1" - 2" x 2"		
57.966 / 968	ANSI600/(150)300	SA351CF8M		1/2" x 1" - 2" x 2"		
58.966 / 968	ANSI900/300	SA351CF8M		1/2" x 1" - 1" x 2"		
59.966 / 968	ANSI1500/300	SA351CF8M		1/2" x 1" - 2" x 2"		
5c.966 / 968	ANSI2500/300	SA351CF8M		3/4" x 2" - 1" x 2"		

Marking

Construction / Application

Safety valve, spring loaded, direct loaded for gases, vapours and liquids

Requirement
ASME Code Section VIII-Division 1.
Sizing

Berechnungen nach ASME

Details required

Medium gasform:	Mass flow (lb/h), SCFM, molar mass (kg/kmol), isotope exponent, temperature (°F), set pressure (psig), back pressure (psig)
	Mass flow (kg/h), molar mass (kg/kmol), isotope exponent, temperature (°C), set pressure (barü), back pressure (barü)
Medium liquid:	Volume flow (gal/min), density (lb/ft³), viscosity, temperature (°F), set pressure (psi gauge), back pressure (psi gauge)
	Volume flow (kg/h), density (kg/m³), viscosity, Temperatur (°C), set pressure (barü), back pressure (barü)

Order text:

ARI-REYCO RL Series - Safety Relief Valve, Figure ..., Orifice, Valve size ...x..., Nominal pressure ..., Material ..., Connection (inlet / outlet), Set pressure ...psig

	Standard: without metal bellow
Superimposed back pressure	on request
Built up back pressure	max. 10% from set pressure (gauge) (higher on request)

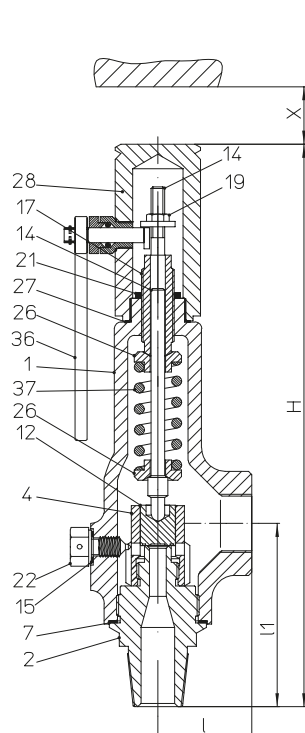


Fig. ... 966
closed lifting device

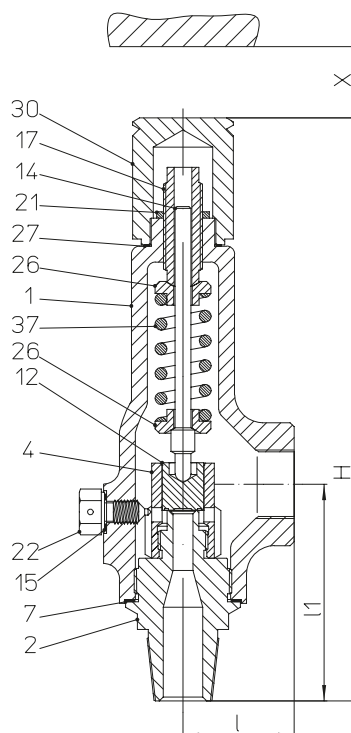


Fig. ... 968
gastight cap

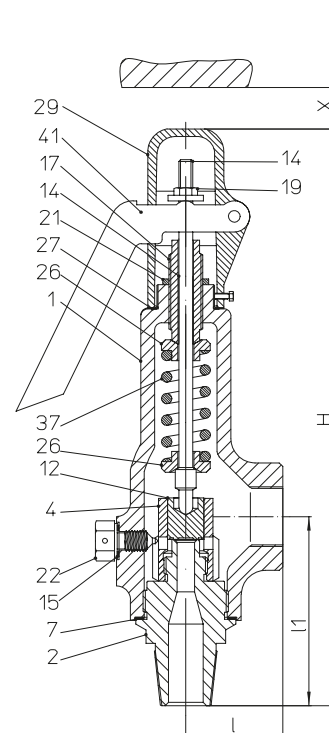


Fig. ... 969
open lifting device

Parts				
Pos.	Sp.p.	Description	Fig. 32.966 / 968 / 969 - 3c.966 / 968 / 969	Fig. 52.966 / 968 - 5c.966 / 968
1		Bonnet	SA216WCC	SA351CF8M
2	x	Base	SA351CF8M	
4		Guide	SA351CF8M (liquid+air) / Monel SA494M35-2 (steam)	
7	x	Gasket (base/bonnet)	Stainless steel	
12	x	Disc	SA479Gr.316L	
14		Stem	SA479Gr.316L	
15	x	Gasket	Stainless steel	
17		Compression screw	SA479Gr.316L	
19		Hexagon nut	SA58Gr.303 SS	
21		Compression nut	SA479Gr.316L	
22		Locking screw (ring pin assembly)	SA479Gr.316L	
26		Top spring step	SA108Gr.1018	
27	x	Gasket (cap)	Stainless steel	
28		Cap, closed (Fig. 966)	SA216WCC	SA351CF8M
29		Cap, open (Fig. 969)	Gray iron	--
30		Cap, gastight (Fig. 968)	SA216WCC	SA351CF8M
35		Lift fork	SA216WCC	SA351CF8M
36		Lifting lever	Gray iron	
37		Spring	Chrome vanadium (up to 650°F) / Inconel X750 (optional)	SA313Gr.316 / Inconel X750 (optional)
41		Lever, open (excentric lever)	Gray iron	
71	x	Gasket (gag screw)	Stainless steel	
72		Gag screw	SA479Gr.316L	
74		Retaining plate	SA479Gr.316L	
75	x	O-ring	Viton	
77		Retaining screw	SA479Gr.304L	
	L Spare parts			

Information / restriction of technical rules need to be observed!

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

Resistance and fitness must be verified and contact the manufacturer for information (see product overview and resistance table).

RL14: Specifications - Area 0,078 in² - Orifice A (not acc. to API)

Valve size	Material		Connections ANSI std. (RF or RTJ)	Max. Set pressures				Outlet flange rating limit (4)	Valve dimensions				Weight
									I	I1	Max. H	Min. X	
inch	Body & Bonnet	Spring	Inlet	Outlet	psig at 100°F	psig at 400°F	psig at 750°F	psig at 100°F	inch	inch	inch	inch	lbs
Inlet: Male thread NPT / Outlet: Female thread NPT (Standard)													
1/2 x 1	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	2900	2900	2535	400	1,85	3,15	10,05	3	4,3
3/4 x 1	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	2900	2900	2535	400	1,85	3,15	10,05	3	4,3
1 x 1	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	2900	2900	2535	400	1,85	3,40	10,30	3	4,3

Inlet: Female thread NPT / Outlet: Female thread NPT													
1/2 x 1	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	2900	2900	2535	400	1,85	2,63	9,49	3	4,3
3/4 x 1	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	2900	2900	2535	400	1,85	2,63	9,49	3	4,3
1 x 1	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	2900	2900	2535	400	1,85	2,63	9,49	3	4,3

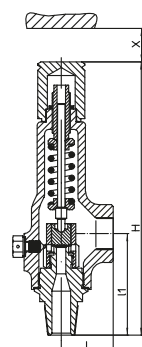
Inlet: Socket weld end / Outlet: Socket weld end													
1/2 x 1	SA216WCC	Chrome vanad.	1500	1500	2900	2900	2535	400	acc. to customers requirement				
3/4 x 1	SA216WCC	Chrome vanad.	1500	1500	2900	2900	2535	400					
1 x 1	SA216WCC	Chrome vanad.	1500	1500	2900	2900	2535	400					

Inlet: Butt-weld end / Outlet: Socket weld end													
1/2 x 1	SA216WCC	Chrome vanad.	1500	1500	2900	2900	2535	400	acc. to customers requirement				
3/4 x 1	SA216WCC	Chrome vanad.	1500	1500	2900	2900	2535	400					
1 x 1	SA216WCC	Chrome vanad.	1500	1500	2900	2900	2535	400					

Inlet: Flange / Outlet: Flange													
1/2 x 1	SA216WCC	Chrome vanad.	150 RF	150 RF	290	200	95	290	3,97	4,65	11,56	3	9,0
3/4 x 1	SA216WCC	Chrome vanad.	150 RF	150 RF	290	200	95	290	3,97	4,72	11,56	3	9,0
1 x 1	SA216WCC	Chrome vanad.	150 RF	150 RF	290	200	95	290	3,97	4,72	11,56	3	9,0
1/2 x 1	SA216WCC	Chrome vanad.	300 RF	150 RF	750	705	505	290	3,97	4,65	11,56	3	10,0
3/4 x 1	SA216WCC	Chrome vanad.	300 RF	150 RF	750	705	505	290	3,97	4,72	11,56	3	10,0
1 x 1	SA216WCC	Chrome vanad.	300 RF	150 RF	750	705	505	290	3,97	4,72	11,56	3	10,0
1/2 x 1	SA216WCC	Chrome vanad.	300 RF	300 RF	750	705	505	290	3,97	4,65	11,56	3	11,0
3/4 x 1	SA216WCC	Chrome vanad.	300 RF	300 RF	750	705	505	290	3,97	4,72	11,56	3	11,0
1 x 1	SA216WCC	Chrome vanad.	300 RF	300 RF	750	705	505	290	3,97	4,72	11,56	3	11,0
1/2 x 1	SA216WCC	Chrome vanad.	600 RF	150 RF	1500	1405	1015	290	3,97	4,65	11,56	3	11,0
3/4 x 1	SA216WCC	Chrome vanad.	600 RF	150 RF	1500	1405	1015	290	3,97	4,72	11,56	3	11,0
1 x 1	SA216WCC	Chrome vanad.	600 RF	150 RF	1500	1405	1015	290	3,97	4,72	11,56	3	11,0
1/2 x 1	SA216WCC	Chrome vanad.	600 RF	300 RF	1500	1405	1015	290	3,97	4,65	11,56	3	12,0
3/4 x 1	SA216WCC	Chrome vanad.	600 RF	300 RF	1500	1405	1015	290	3,97	4,72	11,56	3	12,0
1 x 1	SA216WCC	Chrome vanad.	600 RF	300 RF	1500	1405	1015	290	3,97	4,72	11,56	3	12,0
1/2 x 1	SA216WCC	Chrome vanad.	900 RF	300 RF	2250	2110	1520	290	3,97	5,09	12,00	3	15,0
3/4 x 1	SA216WCC	Chrome vanad.	900 RF	300 RF	2250	2110	1520	290	3,97	5,59	12,50	3	15,0
1 x 1	SA216WCC	Chrome vanad.	900 RF	300 RF	2250	2110	1520	290	3,97	5,72	12,56	3	15,0
1/2 x 1	SA216WCC	Chrome vanad.	1500 RF	300 RF	2900	2900	2535	400	3,97	5,09	12,00	3	15,0
3/4 x 1	SA216WCC	Chrome vanad.	1500 RF	300 RF	2900	2900	2535	400	3,97	5,59	12,50	3	15,0
1 x 1	SA216WCC	Chrome vanad.	1500 RF	300 RF	2900	2900	2535	400	3,97	5,72	12,56	3	15,0

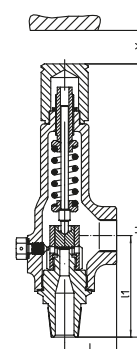
Notes

1. Valves set under 15 psig are not ASME code stamped
2. For temperatures above 650°F springs of Inconel are necessary
3. Outlet pressure limit for temperatures above 100°F shall not exceed the rating in ANSI/ASME B16.34



RL14: Specifications - Area 0,078 in² - Orifice A (not acc. to API)

Valve size	Material	Connections ANSI std. (RF or RTJ)		Max. Set pressures			Outlet flange rating limit (4)	Valve dimensions				Weight	
		I	I1	Max. H	Min. X								
inch	Body & Bonnet	Spring	Inlet	Outlet	psig at 100°F	psig at 400°F	psig at 750°F	psig at 100°F	inch	inch	inch	inch	lbs
Inlet: Male thread NPT / Outlet: Female thread NPT (Standard)													
1/2 x 1	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	2900	2570	2135	400	1,85	3,15	10,05	3	4,3
3/4 x 1	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	2900	2570	2135	400	1,85	3,15	10,05	3	4,3
1 x 1	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	2900	2570	2135	400	1,85	3,40	10,30	3	4,3
Inlet: Female thread NPT / Outlet: Female thread NPT													
1/2 x 1	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	2900	2570	2135	400	1,85	2,63	9,49	3	4,3
3/4 x 1	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	2900	2570	2135	400	1,85	2,63	9,49	3	4,3
1 x 1	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	2900	2570	2135	400	1,85	2,63	9,49	3	4,3
Inlet: Socket weld end / Outlet: Socket weld end													
1/2 x 1	SA351CF8M	SA313Gr.316	1500	1500	2900	2570	2135	400	acc. to customers requirement				
3/4 x 1	SA351CF8M	SA313Gr.316	1500	1500	2900	2570	2135	400					
1 x 1	SA351CF8M	SA313Gr.316	1500	1500	2900	2570	2135	400					
Inlet: Butt-weld end / Outlet: Socket weld end													
1/2 x 1	SA351CF8M	SA313Gr.316	1500	1500	2900	2570	2135	400	acc. to customers requirement				
3/4 x 1	SA351CF8M	SA313Gr.316	1500	1500	2900	2570	2135	400					
1 x 1	SA351CF8M	SA313Gr.316	1500	1500	2900	2570	2135	400					
Inlet: Flange / Outlet: Flange													
1/2 x 1	SA351CF8M	SA313Gr.316	150 RF	150 RF	275	195	95	275	3,97	4,65	11,56	3	9,0
3/4 x 1	SA351CF8M	SA313Gr.316	150 RF	150 RF	275	195	95	275	3,97	4,72	11,56	3	9,0
1 x 1	SA351CF8M	SA313Gr.316	150 RF	150 RF	275	195	95	275	3,97	4,72	11,56	3	9,0
1/2 x 1	SA351CF8M	SA313Gr.316	300 RF	150 RF	720	515	425	275	3,97	4,65	11,56	3	10,0
3/4 x 1	SA351CF8M	SA313Gr.316	300 RF	150 RF	720	515	425	275	3,97	4,72	11,56	3	10,0
1 x 1	SA351CF8M	SA313Gr.316	300 RF	150 RF	720	515	425	275	3,97	4,72	11,56	3	10,0
1/2 x 1	SA351CF8M	SA313Gr.316	300 RF	300 RF	720	515	425	275	3,97	4,65	11,56	3	11,0
3/4 x 1	SA351CF8M	SA313Gr.316	300 RF	300 RF	720	515	425	275	3,97	4,72	11,56	3	11,0
1 x 1	SA351CF8M	SA313Gr.316	300 RF	300 RF	720	515	425	275	3,97	4,72	11,56	3	11,0
1/2 x 1	SA351CF8M	SA313Gr.316	600 RF	150 RF	1440	1025	855	275	3,97	4,65	11,56	3	11,0
3/4 x 1	SA351CF8M	SA313Gr.316	600 RF	150 RF	1440	1025	855	275	3,97	4,72	11,56	3	11,0
1 x 1	SA351CF8M	SA313Gr.316	600 RF	150 RF	1440	1025	855	275	3,97	4,72	11,56	3	11,0
1/2 x 1	SA351CF8M	SA313Gr.316	600 RF	300 RF	1440	1025	855	275	3,97	4,65	11,56	3	12,0
3/4 x 1	SA351CF8M	SA313Gr.316	600 RF	300 RF	1440	1025	855	275	3,97	4,72	11,56	3	12,0
1 x 1	SA351CF8M	SA313Gr.316	600 RF	300 RF	1440	1025	855	275	3,97	4,72	11,56	3	12,0
1/2 x 1	SA351CF8M	SA313Gr.316	900 RF	300 RF	2160	1540	1280	275	3,97	5,09	12,0	3	15,0
3/4 x 1	SA351CF8M	SA313Gr.316	900 RF	300 RF	2160	1540	1280	275	3,97	5,59	12,50	3	15,0
1 x 1	SA351CF8M	SA313Gr.316	900 RF	300 RF	2160	1540	1280	275	3,97	5,72	12,56	3	15,0
1/2 x 1	SA351CF8M	SA313Gr.316	1500 RF	300 RF	2900	2570	2135	400	3,97	5,09	12,00	3	15,0
3/4 x 1	SA351CF8M	SA313Gr.316	1500 RF	300 RF	2900	2570	2135	400	3,97	5,59	12,50	3	15,0
1 x 1	SA351CF8M	SA313Gr.316	1500 RF	300 RF	2900	2570	2135	400	3,97	5,72	12,56	3	15,0



Notes

- Valves set under 15 psig are not ASME code stamped.
- Outlet pressure limit for temperatures above 100°F shall not exceed the rating in ANSI/ASME B16.34

RL14: Specifications - Area 0,122 in² - Orifice D (not acc. to API)

Valve size	Material		Connections ANSI std. (RF or RTJ)	Max. Set pressures				Outlet flange rating limit (4)	Valve dimensions				Weight
									I	I1	Max. H	Min. X	
inch	Body & Bonnet	Spring	Inlet	Outlet	psig at 100°F	psig at 400°F	psig at 750°F	psig at 100°F	inch	inch	inch	inch	lbs
Inlet: Male thread NPT / Outlet: Female thread NPT (Standard)													
1/2 x 1	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	2900	2900	2535	400	1,85	3,15	10,05	3	4,3
3/4 x 1	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	2900	2900	2535	400	1,85	3,15	10,05	3	4,3
1 x 1	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	2900	2900	2535	400	1,85	3,40	10,30	3	4,3

Inlet: Female thread NPT / Outlet: Female thread NPT													
1/2 x 1	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	2900	2900	2535	400	1,85	2,63	9,49	3	4,3
3/4 x 1	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	2900	2900	2535	400	1,85	2,63	9,49	3	4,3
1 x 1	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	2900	2900	2535	400	1,85	2,63	9,49	3	4,3

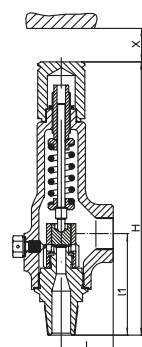
Inlet: Socket weld end / Outlet: Socket weld end													
1/2 x 1	SA216WCC	Chrome vanad.	1500	1500	2900	2900	2535	400	acc. to customers requirement				
3/4 x 1	SA216WCC	Chrome vanad.	1500	1500	2900	2900	2535	400					
1 x 1	SA216WCC	Chrome vanad.	1500	1500	2900	2900	2535	400					

Inlet: Butt-weld end / Outlet: Socket weld end													
1/2 x 1	SA216WCC	Chrome vanad.	1500	1500	2900	2900	2535	400	acc. to customers requirement				
3/4 x 1	SA216WCC	Chrome vanad.	1500	1500	2900	2900	2535	400					
1 x 1	SA216WCC	Chrome vanad.	1500	1500	2900	2900	2535	400					

Inlet: Flange / Outlet: Flange													
1/2 x 1	SA216WCC	Chrome vanad.	150 RF	150 RF	290	200	95	290	3,97	4,65	11,56	3	9,0
3/4 x 1	SA216WCC	Chrome vanad.	150 RF	150 RF	290	200	95	290	3,97	4,72	11,56	3	9,0
1 x 1	SA216WCC	Chrome vanad.	150 RF	150 RF	290	200	95	290	3,97	4,72	11,56	3	9,0
1/2 x 1	SA216WCC	Chrome vanad.	300 RF	150 RF	750	705	505	290	3,97	4,65	11,56	3	10,0
3/4 x 1	SA216WCC	Chrome vanad.	300 RF	150 RF	750	705	505	290	3,97	4,72	11,56	3	10,0
1 x 1	SA216WCC	Chrome vanad.	300 RF	150 RF	750	705	505	290	3,97	4,72	11,56	3	10,0
1/2 x 1	SA216WCC	Chrome vanad.	300 RF	300 RF	750	705	505	290	3,97	4,65	11,56	3	11,0
3/4 x 1	SA216WCC	Chrome vanad.	300 RF	300 RF	750	705	505	290	3,97	4,72	11,56	3	11,0
1 x 1	SA216WCC	Chrome vanad.	300 RF	300 RF	750	705	505	290	3,97	4,72	11,56	3	11,0
1/2 x 1	SA216WCC	Chrome vanad.	600 RF	150 RF	1500	1405	1015	290	3,97	4,65	11,56	3	11,0
3/4 x 1	SA216WCC	Chrome vanad.	600 RF	150 RF	1500	1405	1015	290	3,97	4,72	11,56	3	11,0
1 x 1	SA216WCC	Chrome vanad.	600 RF	150 RF	1500	1405	1015	290	3,97	4,72	11,56	3	11,0
1/2 x 1	SA216WCC	Chrome vanad.	600 RF	300 RF	1500	1405	1015	290	3,97	4,65	11,56	3	12,0
3/4 x 1	SA216WCC	Chrome vanad.	600 RF	300 RF	1500	1405	1015	290	3,97	4,72	11,56	3	12,0
1 x 1	SA216WCC	Chrome vanad.	600 RF	300 RF	1500	1405	1015	290	3,97	4,72	11,56	3	12,0
1/2 x 1	SA216WCC	Chrome vanad.	900 RF	300 RF	2250	2110	1520	290	3,97	5,09	12,00	3	15,0
3/4 x 1	SA216WCC	Chrome vanad.	900 RF	300 RF	2250	2110	1520	290	3,97	5,59	12,50	3	15,0
1 x 1	SA216WCC	Chrome vanad.	900 RF	300 RF	2250	2110	1520	290	3,97	5,72	12,56	3	15,0
1/2 x 1	SA216WCC	Chrome vanad.	1500 RF	300 RF	2900	2900	2535	400	3,97	5,09	12,00	3	15,0
3/4 x 1	SA216WCC	Chrome vanad.	1500 RF	300 RF	2900	2900	2535	400	3,97	5,59	12,50	3	15,0
1 x 1	SA216WCC	Chrome vanad.	1500 RF	300 RF	2900	2900	2535	400	3,97	5,72	12,56	3	15,0

Notes

1. Valves set under 15 psig are not ASME code stamped
2. For temperatures above 650°F springs of Inconel are necessary
3. Outlet pressure limit for temperatures above 100°F shall not exceed the rating in ANSI/ASME B16.34

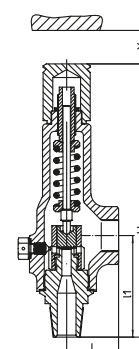


RL14: Specifications - Area 0,122 in² - Orifice D (not acc. to API)

Valve size	Material	Connections ANSI std. (RF or RTJ)		Max. Set pressures			Outlet flange rating limit (4)	Valve dimensions				Weight	
								I	I1	Max. H	Min. X		
inch	Body & Bonnet	Spring	Inlet	Outlet	psig at 100°F	psig at 400°F	psig at 750°F	psig at 100°F	inch	inch	inch	inch	lbs
Inlet: Male thread NPT / Outlet: Female thread NPT (Standard)													
1/2 x 1	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	2900	2570	2135	400	1,85	3,15	10,05	3	4,3
3/4 x 1	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	2900	2570	2135	400	1,85	3,15	10,05	3	4,3
1 x 1	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	2900	2570	2135	400	1,85	3,40	10,30	3	4,3
Inlet: Female thread NPT / Outlet: Female thread NPT													
1/2 x 1	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	2900	2570	2135	400	1,85	2,63	9,49	3	4,3
3/4 x 1	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	2900	2570	2135	400	1,85	2,63	9,49	3	4,3
1 x 1	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	2900	2570	2135	400	1,85	2,63	9,49	3	4,3
Inlet: Socket weld end / Outlet: Socket weld end													
1/2 x 1	SA351CF8M	SA313Gr.316	1500	1500	2900	2570	2135	400	acc. to customers requirement				
3/4 x 1	SA351CF8M	SA313Gr.316	1500	1500	2900	2570	2135	400					
1 x 1	SA351CF8M	SA313Gr.316	1500	1500	2900	2570	2135	400					
Inlet: Butt-weld end / Outlet: Socket weld end													
1/2 x 1	SA351CF8M	SA313Gr.316	1500	1500	2900	2570	2135	400	acc. to customers requirement				
3/4 x 1	SA351CF8M	SA313Gr.316	1500	1500	2900	2570	2135	400					
1 x 1	SA351CF8M	SA313Gr.316	1500	1500	2900	2570	2135	400					
Inlet: Flange / Outlet: Flange													
1/2 x 1	SA351CF8M	SA313Gr.316	150 RF	150 RF	275	195	95	275	3,97	4,65	11,56	3	9,0
3/4 x 1	SA351CF8M	SA313Gr.316	150 RF	150 RF	275	195	95	275	3,97	4,72	11,56	3	9,0
1 x 1	SA351CF8M	SA313Gr.316	150 RF	150 RF	275	195	95	275	3,97	4,72	11,56	3	9,0
1/2 x 1	SA351CF8M	SA313Gr.316	300 RF	150 RF	720	515	425	275	3,97	4,65	11,56	3	10,0
3/4 x 1	SA351CF8M	SA313Gr.316	300 RF	150 RF	720	515	425	275	3,97	4,72	11,56	3	10,0
1 x 1	SA351CF8M	SA313Gr.316	300 RF	150 RF	720	515	425	275	3,97	4,72	11,56	3	10,0
1/2 x 1	SA351CF8M	SA313Gr.316	300 RF	300 RF	720	515	425	275	3,97	4,65	11,56	3	11,0
3/4 x 1	SA351CF8M	SA313Gr.316	300 RF	300 RF	720	515	425	275	3,97	4,72	11,56	3	11,0
1 x 1	SA351CF8M	SA313Gr.316	300 RF	300 RF	720	515	425	275	3,97	4,72	11,56	3	11,0
1/2 x 1	SA351CF8M	SA313Gr.316	600 RF	150 RF	1440	1025	855	275	3,97	4,65	11,56	3	11,0
3/4 x 1	SA351CF8M	SA313Gr.316	600 RF	150 RF	1440	1025	855	275	3,97	4,72	11,56	3	11,0
1 x 1	SA351CF8M	SA313Gr.316	600 RF	150 RF	1440	1025	855	275	3,97	4,72	11,56	3	11,0
1/2 x 1	SA351CF8M	SA313Gr.316	600 RF	300 RF	1440	1025	855	275	3,97	4,65	11,56	3	12,0
3/4 x 1	SA351CF8M	SA313Gr.316	600 RF	300 RF	1440	1025	855	275	3,97	4,72	11,56	3	12,0
1 x 1	SA351CF8M	SA313Gr.316	600 RF	300 RF	1440	1025	855	275	3,97	4,72	11,56	3	12,0
1/2 x 1	SA351CF8M	SA313Gr.316	900 RF	300 RF	2160	1540	1280	275	3,97	5,09	12,0	3	15,0
3/4 x 1	SA351CF8M	SA313Gr.316	900 RF	300 RF	2160	1540	1280	275	3,97	5,59	12,50	3	15,0
1 x 1	SA351CF8M	SA313Gr.316	900 RF	300 RF	2160	1540	1280	275	3,97	5,72	12,56	3	15,0
1/2 x 1	SA351CF8M	SA313Gr.316	1500 RF	300 RF	2900	2570	2135	400	3,97	5,09	12,00	3	15,0
3/4 x 1	SA351CF8M	SA313Gr.316	1500 RF	300 RF	2900	2570	2135	400	3,97	5,59	12,50	3	15,0
1 x 1	SA351CF8M	SA313Gr.316	1500 RF	300 RF	2900	2570	2135	400	3,97	5,72	12,56	3	15,0

Notes

- Valves set under 15 psig are not ASME code stamped.
- Outlet pressure limit for temperatures above 100°F shall not exceed the rating in ANSI/ASME B16.34



RL40: Specifications - Area 0,152 in² - Orifice B (not acc. to API)

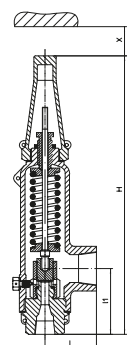
Valve size	Material		Connections ANSI std. (RF or RTJ)		Max. Set pressures			Outlet flange rating limit (4)	Valve dimensions				Weight
									I	I1	Max. H	Min. X	
inch	Body & Bonnet	Spring	Inlet	Outlet	psig at 100°F	psig at 400°F	psig at 750°F	psig at 100°F	inch	inch	inch	inch	lbs
Inlet: Female thread NPT / Outlet: Female thread NPT (Standard)													
3/4 x 1	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	3000	3000	2535	400	2,88	3,62	15,49	6	15
Inlet: Male thread NPT / Outlet: Female thread NPT													
3/4 x 1	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	3000	3000	2535	400	2,88	4,0	15,89	6	16
Inlet: Socket weld end / Outlet: Socket weld end													
3/4 x 1	SA216WCC	Chrome vanad.	1500	1500	3000	3000	2535	400	acc. to customers requirement				
Inlet: Butt-weld end / Outlet: Socket weld end													
3/4 x 1	SA216WCC	Chrome vanad.	1500	1500	3000	3000	2535	400	acc. to customers requirement				
Inlet: Flange / Outlet: Flange													
3/4 x 1	SA216WCC	Chrome vanad.	150 RF	150 RF	290	200	95	290	5,0	5,75	17,88	6	21
3/4 x 1	SA216WCC	Chrome vanad.	300 RF	150 RF	750	705	505	290	5,0	5,75	17,88	6	21
3/4 x 1	SA216WCC	Chrome vanad.	600 RF	150 RF	1500	1405	1015	290	5,0	5,75	17,88	6	21
3/4 x 1	SA216WCC	Chrome vanad.	900 RF	300 RF	2250	2110	1520	290	5,0	6,62	18,75	6	27
3/4 x 1	SA216WCC	Chrome vanad.	1500 RF	300 RF	3000	3000	2535	400	5,0	6,62	18,75	6	27

RL41: Specifications - Area 0,152 in² - Orifice B (not acc. to API)

Valve size	Material		Connections ANSI std. (RF or RTJ)		Max. Set pressures			Outlet flange rating limit (4)	Valve dimensions				Weight
									I	I1	Max. H	Min. X	
inch	Body & Bonnet	Spring	Inlet	Outlet	psig at 100°F	psig at 400°F	psig at 750°F	psig at 100°F	inch	inch	inch	inch	lbs
Inlet: Female thread NPT / Outlet: Female thread NPT (Standard)													
3/4 x 2	SA216WCC	Chrome vanad.	2500 NPT	2500 NPT	5000	5000	4230	400	2,88	4,0	17,35	6	15
Inlet: Male thread NPT / Outlet: Female thread NPT													
3/4 x 2	SA216WCC	Chrome vanad.	2500 NPT	2500 NPT	5000	5000	4230	400	2,88	4,38	17,75	6	16
Inlet: Flange / Outlet: Flange													
3/4 x 2	SA216WCC	Chrome vanad.	1500 RF	300 RF	3750	3520	2535	400	5,38	5,38	18,88	6	27
3/4 x 2	SA216WCC	Chrome vanad.	2500 RF	300 RF	5000	5000	4230	400	5,62	5,38	19,12	6	31

Notes

1. Valves set under 15 psig are not ASME code stamped
2. For temperatures above 650°F springs of Inconel are necessary
3. Outlet pressure limit for temperatures above 100°F shall not exceed the rating in ANSI/ASME B16.34



RL40: Specifications - Area 0,152 in² - Orifice B (not acc. to API)

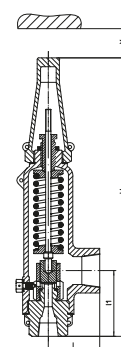
Valve size	Material		Connections ANSI std. (RF or RTJ)		Max. Set pressures				Outlet flange rating limit (4)	Valve dimensions				Weight
										I	I1	Max. H	Min. X	
inch	Body & Bonnet	Spring	Inlet	Outlet	psig at 100°F	psig at 400°F	psig at 750°F	psig at 100°F	inch	inch	inch	inch	lbs	
Inlet: Female thread NPT / Outlet: Female thread NPT (Standard)														
3/4 x 1	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	3000	2570	2135	400	2,88	3,62	15,49	6	15	
Inlet: Male thread NPT / Outlet: Female thread NPT														
3/4 x 1	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	3000	2570	2135	400	2,88	4,0	15,89	6	16	
Inlet: Socket weld end / Outlet: Socket weld end														
3/4 x 1	SA351CF8M	SA313Gr.316	1500	1500	3000	2570	2135	400	acc. to customers requirement					
Inlet: Butt-weld end / Outlet: Socket weld end														
3/4 x 1	SA351CF8M	SA313Gr.316	1500	1500	3000	2570	2135	400	acc. to customers requirement					
Inlet: Flange / Outlet: Flange														
3/4 x 1	SA351CF8M	SA313Gr.316	150 RF	150 RF	275	195	95	275	5,0	5,75	17,88	6	21	
3/4 x 1	SA351CF8M	SA313Gr.316	300 RF	150 RF	720	515	425	275	5,0	5,75	17,88	6	21	
3/4 x 1	SA351CF8M	SA313Gr.316	600 RF	150 RF	1440	1025	855	275	5,0	5,75	17,88	6	21	
3/4 x 1	SA351CF8M	SA313Gr.316	900 RF	300 RF	2160	1540	1280	275	5,0	6,62	18,75	6	27	
3/4 x 1	SA351CF8M	SA313Gr.316	1500 RF	300 RF	3000	2570	2135	400	5.0	6.62	18.75	6	27	

RL41: Specifications - Area 0,152 in² - Orifice B (not acc. to API)

Valve size	Material		Connections ANSI std. (RF or RTJ)		Max. Set pressure				Outlet flange rating limit (4)	Valve dimensions				Weight
										I	I1	Max. H	Min. X	
inch	Body & Bonnet	Spring	Inlet	Outlet	psig at 100°F	psig at 400°F	psig at 750°F	psig at 100°F		inch	inch	inch	inch	lbs
Inlet: Female thread NPT / Outlet: Female thread NPT (Standard)														
3/4 x 2	SA351CF8M	SA313Gr.316	2500 NPT	2500 NPT	5000	4280	3560	400		2,88	4,0	17,35	6	15
Inlet: Male thread NPT / Outlet: Female thread NPT														
3/4 x 2	SA351CF8M	SA313Gr.316	2500 NPT	2500 NPT	5000	4280	3560	400		2,88	4,38	17,75	6	16
Inlet: Flange / Outlet: Flange														
3/4 x 2	SA351CF8M	SA313Gr.316	1500 RF	300 RF	3600	2570	2135	400		5,38	5,38	18,88	6	27
3/4 x 2	SA351CF8M	SA313Gr.316	2500 RF	300 RF	5000	4280	3560	400		5,62	5,38	19,12	6	31

Notes

- Valves set under 15 psig are not ASME code stamped.
- Outlet pressure limit for temperatures above 100°F shall not exceed the rating in ANSI/ASME B16.34



RL40: Specifications - Area 0,235 in² - Orifice C (not acc. to API)

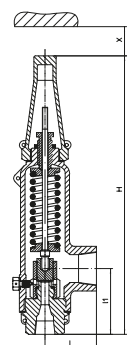
Valve size	Material		Connections ANSI std. (RF or RTJ)		Max. Set pressures			Outlet flange rating limit (4)	Valve dimensions				Weight
									I	I1	Max. H	Min. X	
inch	Body & Bonnet	Spring	Inlet	Outlet	psig at 100°F	psig at 400°F	psig at 750°F	psig at 100°F	inch	inch	inch	inch	lbs
Inlet: Female thread NPT / Outlet: Female thread NPT (Standard)													
1 x 1 1/2	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	2000	2000	2000	400	2,88	3,62	15,49	6	15
Inlet: Male thread NPT / Outlet: Female thread NPT													
1 x 1 1/2	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	2000	2000	2000	400	2,88	3,62	15,49	6	15
Inlet: Socket weld end / Outlet: Socket weld end													
1 x 1 1/2	SA216WCC	Chrome vanad.	1500	1500	2000	2000	2000	400	acc. to customers requirement				
Inlet: Butt-weld end / Outlet: Socket weld end													
1 x 1 1/2	SA216WCC	Chrome vanad.	1500	1500	2000	2000	2000	400	acc. to customers requirement				
Inlet: Flange / Outlet: Flange													
1 x 1 1/2	SA216WCC	Chrome vanad.	150 RF	150 RF	290	200	95	290	5,38	5,75	17,88	6	23
1 x 1 1/2	SA216WCC	Chrome vanad.	300 RF	150 RF	750	705	505	290	5,38	5,75	17,88	6	23
1 x 1 1/2	SA216WCC	Chrome vanad.	300 RF	300 RF	750	705	505	290	5,38	5,75	17,88	6	23
1 x 1 1/2	SA216WCC	Chrome vanad.	600 RF	150 RF	1500	1405	1015	290	5,38	5,75	17,88	6	23
1 x 1 1/2	SA216WCC	Chrome vanad..	1500 RF	300 RF	2000	2000	2000	400	5,38	6,62	18,75	6	29

RL41: Specifications - Area 0,235 in² - Orifice C (not acc. to API)

Valve size	Material		Connections ANSI std. (RF or RTJ)		Max. Set pressures			Outlet flange rating limit (4)	Valve dimensions				Weight
									I	I1	Max. H	Min. X	
inch	Body & Bonnet	Spring	Inlet	Outlet	psig at 100°F	psig at 400°F	psig at 750°F	psig at 100°F	inch	inch	inch	inch	lbs
Inlet: Female thread NPT / Outlet: Female thread NPT (Standard)													
1 x 2	SA216WCC	Chrome vanad.	2500 NPT	2500 NPT	3000	3000	3000	400	2,88	4,0	17,35	6	15
Inlet: Male thread NPT / Outlet: Female thread NPT													
1 x 2	SA216WCC	Chrome vanad.	2500 NPT	2500 NPT	3000	3000	3000	400	2,88	4,38	17,75	6	16
Inlet: Flange / Outlet: Flange													
1 x 2	SA216WCC	Chrome vanad.	900 RF	300 RF	2250	2110	1520	290	5,38	5,38	18,88	6	27
1 x 2	SA216WCC	Chrome vanad.	1500 RF	300 RF	3000	3000	2535	400	5,62	5,38	19,12	6	31
1 x 2	SA216WCC	Chrome vanad.	2500 RF	300 RF	3000	3000	3000	400	5,62	5,38	19,12	6	31

Notes

1. Valves set under 15 psig are not ASME code stamped
2. For temperatures above 650°F springs of Inconel are necessary
3. Outlet pressure limit for temperatures above 100°F shall not exceed the rating in ANSI/ASME B16.34



RL40: Specifications - Area 0,235 in² - Orifice C (not acc. to API)

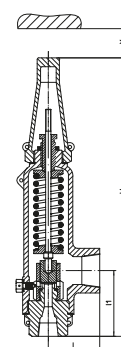
Valve size	Material		Connections ANSI std. (RF or RTJ)		Max. Set pressures				Outlet flange rating limit (4)	Valve dimensions				Weight
										I	I1	Max. H	Min. X	
inch	Body & Bonnet	Spring	Inlet	Outlet	psig at 100°F	psig at 400°F	psig at 750°F	psig at 100°F	inch	inch	inch	inch	lbs	
Inlet: Female thread NPT / Outlet: Female thread NPT (Standard)														
1 x 1 1/2	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	2000	2000	2000	400	2,88	3,62	15,49	6	15	
Inlet: Male thread NPT / Outlet: Female thread NPT														
1 x 1 1/2	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	2000	2000	2000	400	2,88	3,62	15,49	6	16	
Inlet: Socket weld end / Outlet: Socket weld end														
1 x 1 1/2	SA351CF8M	SA313Gr.316	1500	1500	2000	2000	2000	400	acc. to customers requirement					
Inlet: Butt-weld end / Outlet: Socket weld end														
1 x 1 1/2	SA351CF8M	SA313Gr.316	1500	1500	2000	2000	2000	400	acc. to customers requirement					
Inlet: Flange / Outlet: Flange														
1 x 1 1/2	SA351CF8M	SA313Gr.316	150 RF	150 RF	275	195	95	275	5,38	5,75	17,88	6	23	
1 x 1 1/2	SA351CF8M	SA313Gr.316	300 RF	150 RF	720	515	425	275	5,38	5,75	17,88	6	23	
1 x 1 1/2	SA351CF8M	SA313Gr.316	300 RF	300 RF	720	515	425	275	5,38	5,75	17,88	6	23	
1 x 1 1/2	SA351CF8M	SA313Gr.316	600 RF	150 RF	1440	1025	855	275	5,38	5,75	17,88	6	23	
1 x 1 1/2	SA351CF8M	SA313Gr.316	1500 RF	300 RF	2000	2000	2000	400	5,38	6,62	18,75	6	29	

RL41: Specifications - Area 0,235 in² - Orifice C (not acc. to API)

Valve size	Material		Connections ANSI std. (RF or RTJ)		Max. Set pressures				Outlet flange rating limit (4)	Valve dimensions				Weight
										I	I1	Max. H	Min. X	
inch	Body & Bonnet	Spring	Inlet	Outlet	psig at 100°F	psig at 400°F	psig at 750°F	psig at 100°F		inch	inch	inch	inch	lbs
Inlet: Female thread NPT / Outlet: Female thread NPT (Standard)														
1 x 2	SA351CF8M	SA313Gr.316	2500 NPT	2500 NPT	3000	3000	3000	400		2,88	4,0	17,35	6	15
Inlet: Male thread NPT / Outlet: Female thread NPT														
1 x 2	SA351CF8M	SA313Gr.316	2500 NPT	2500 NPT	3000	3000	3000	400		2,88	4,38	17,75	6	16
Inlet: Flange / Outlet: Flange														
1 x 2	SA351CF8M	SA313Gr.316	900 RF	300 RF	2160	1540	1280	275		5,38	5,38	18,88	6	27
1 x 2	SA351CF8M	SA313Gr.316	1500 RF	300 RF	3000	2570	2135	400		5,38	5,38	18,88	6	29
1 x 2	SA351CF8M	SA313Gr.316	2500 RF	300 RF	3000	3000	3000	400		5,62	5,38	19,12	6	31

Notes

- Valves set under 15 psig are not ASME code stamped.
- Outlet pressure limit for temperatures above 100°F shall not exceed the rating in ANSI/ASME B16.34

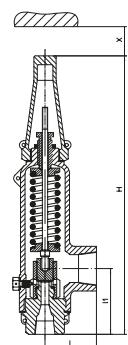


RL40: Specifications - Area 0,563 in² - Orifice G (not acc. to API)

Valve size	Material		Connections ANSI std. (RF or RTJ)		Max. Set pressures			Outlet flange rating limit (4)	Valve dimensions				Weight
									I	I1	Max. H	Min. X	
inch	Body & Bonnet	Spring	Inlet	Outlet	psig at 100°F	psig at 400°F	psig at 750°F	psig at 100°F	inch	inch	inch	inch	lbs
Inlet: Female thread NPT / Outlet: Female thread NPT (Standard)													
1 1/2 x 2	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	1500	1500	1500	400	2,88	4,0	17,35	6	24
2 x 2	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	1500	1500	1500	400	2,88	4,0	17,35	6	24
Inlet: Male thread NPT / Outlet: Female thread NPT													
1 1/2 x 2	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	1500	1500	1500	400	2,88	4,38	17,75	6	25
2 x 2	SA216WCC	Chrome vanad.	1500 NPT	1500 NPT	1500	1500	1500	400	2,88	4,38	17,75	6	25
Inlet: Flange / Outlet: Flange													
1 1/2 x 2	SA216WCC	Chrome vanad.	150 RF	150 RF	290	200	95	290	5,62	6,5	20,12	6	35
2 x 2	SA216WCC	Chrome vanad.	150 RF	150 RF	290	200	95	290	5,62	6,75	20,38	6	37
1 1/2 x 2	SA216WCC	Chrome vanad.	300 RF	150 RF	750	705	505	290	5,62	6,5	20,12	6	35
2 x 2	SA216WCC	Chrome vanad.	300 RF	150 RF	750	705	505	290	5,62	6,75	20,38	6	43
1 1/2 x 2	SA216WCC	Chrome vanad.	300 RF	300 RF	750	705	505	290	5,62	6,5	20,12	6	41
1 1/2 x 2	SA216WCC	Chrome vanad.	600 RF	150 RF	1500	1405	1015	290	5,62	6,5	20,12	6	41
2 x 2	SA216WCC	Chrome vanad.	600 RF	150 RF	1500	1405	1015	290	5,62	6,75	20,38	6	43
1 1/2 x 2	SA216WCC	Chrome vanad.	600 RF	300 RF	1500	1405	1015	290	5,62	6,5	20,12	6	35
1 1/2 x 2	SA216WCC	Chrome vanad.	1500 RF	300 RF	1500	1500	1500	400	5,62	7,38	20,99	6	47
2 x 2	SA216WCC	Chrome vanad.	1500 RF	300 RF	1500	1500	1500	400	5,62	7,62	21,25	6	49

Notes

1. Valves set under 15 psig are not ASME code stamped
2. For temperatures above 650°F springs of Inconel are necessary
3. Outlet pressure limit for temperatures above 100°F shall not exceed the rating in ANSI/ASME B16.34

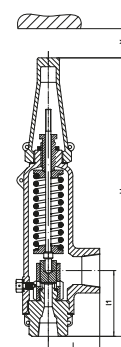


RL40: Specifications - Area 0,563 in² - Orifice G (not acc. to API)

Valve size	Material		Connections ANSI std. (RF or RTJ)		Max. Set pressures				Outlet flange rating limit (4)	Valve dimensions				Weight
										I	I1	Max. H	Min. X	
inch	Body & Bonnet	Spring	Inlet	Outlet	psig at 100°F	psig at 400°F	psig at 750°F	psig at 100°F		inch	inch	inch	inch	lbs
Inlet: Female thread NPT / Outlet: Female thread NPT (Standard)														
1 1/2 x 2	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	1500	1500	1500	400		2,88	4,0	17,35	6	24
2 x 2	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	1500	1500	1500	400		2,88	4,0	17,35	6	24
Inlet: Male thread NPT / Outlet: Female thread NPT														
1 1/2 x 2	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	1500	1500	1500	400		2,88	4,38	17,75	6	25
2 x 2	SA351CF8M	SA313Gr.316	1500 NPT	1500 NPT	1500	1500	1500	400		2,88	4,38	17,75	6	25
Inlet: Flange / Outlet: Flange														
1 1/2 x 2	SA351CF8M	SA313Gr.316	150 RF	150 RF	275	195	95	275		5,62	6,5	20,12	6	35
2 x 2	SA351CF8M	SA313Gr.316	150 RF	150 RF	275	195	95	275		5,62	6,75	20,38	6	37
1 1/2 x 2	SA351CF8M	SA313Gr.316	300 RF	150 RF	720	515	425	275		5,62	6,5	20,12	6	35
2 x 2	SA351CF8M	SA313Gr.316	300 RF	150 RF	720	515	425	275		5,62	6,75	20,38	6	43
1 1/2 x 2	SA351CF8M	SA313Gr.316	300 RF	300 RF	720	515	425	275		5,62	6,5	20,12	6	41
1 1/2 x 2	SA351CF8M	SA313Gr.316	600 RF	150 RF	1440	1025	855	275		5,62	6,5	20,12	6	41
2 x 2	SA351CF8M	SA313Gr.316	600 RF	150 RF	1440	1025	855	275		5,62	6,75	20,38	6	43
1 1/2 x 2	SA351CF8M	SA313Gr.316	600 RF	300 RF	1440	1025	855	275		5,62	6,5	20,12	6	35
1 1/2 x 2	SA351CF8M	SA313Gr.316	1500 RF	300 RF	1500	1500	1500	400		5,62	7,38	20,99	6	47
2 x 2	SA351CF8M	SA313Gr.316	1500 RF	300 RF	1500	1500	1500	400		5,62	7,62	21,25	6	49

Notes

1. Valves set under 15 psig are not ASME code stamped.
2. For temperatures above 550°F springs of Inconel are necessary
3. Outlet pressure limit for temperatures above 100°F shall not exceed the rating in ANSI/ASME B16.34



		Orifice (not acc. to API)											
		A			D			B		C		G	
Design area [A ₀]		0,078 in²			0,122 in²			0,152 in²		0,235 in²		0,563 in²	
Design diameter [d ₀]		0,315 in			0,394 in			0,44 in		0,547 in		0,847 in	
NPS (Inlet x Outlet)		1/2" x 1"	3/4" x 1"	1" x 1"	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" x 2"	1 1/2" x 2"	2" x 2"
Set pressure (psig)													
< 30 psig with + 3 psig overpressure	5	on request											
	10	on request											
	No code stamp or NB on nameplates below 15 psig												
	15	40			53			61		97		290	
	20	46			62			70		112		334	
	30	59			78			89		142		423	
40		72			96			109		174		520	
50		86			114			130		207		617	
60		99			132			150		240		715	
70		113			150			171		272		812	
80		126			168			191		305		910	
90		140			186			212		338		1007	
100		153			204			232		370		1105	
110		167			222			253		403		1202	
120		180			240			273		436		1300	
130		194			258			294		468		1397	
140		207			276			314		501		1495	
150		221			294			335		534		1592	
160		234			312			355		566		1689	
170		248			330			376		599		1787	
180		261			348			396		632		1884	
190		275			366			417		664		1982	
200		288			384			437		697		2079	
210		302			402			458		730		2177	
220		315			420			478		762		2274	
230		329			438			499		795		2372	
240		343			456			519		828		2469	
250		356			474			540		860		2566	
260		370			492			560		893		2664	
270		383			510			581		926		2761	
280		397			528			601		958		2859	
290		410			546			622		991		2956	
300		424			564			642		1024		3054	
320		451			600			683		1089		3249	
340		478			636			724		1154		3443	
360		505			672			765		1220		3638	
380		532			708			806		1285		3833	
1 SCFM increment		1,4			1,8			2		3,3		9,7	

¹⁾ at 60°F and 14,7 psia

	Orifice (not acc. to API)											
	A			D			B		C		G	
Design area [A ₀]	0,078 in²			0,122 in²			0,152 in²		0,235 in²		0,563 in²	
Design diameter [d ₀]	0,315 in			0,394 in			0,44 in		0,547 in		0,847 in	
NPS (Inlet x Outlet)	1/2" x 1"	3/4" x 1"	1" x 1"	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" x 2"	1 1/2" x 2"	2" x 2"
Set pressure (psig)												
400	559			744			847		1350		4028	
420	586			780			888		1416		4223	
440	613			816			929		1481		4418	
460	640			852			970		1546		4613	
480	667			888			1011		1612		4808	
500	694			924			1052		1677		5003	
520	721			960			1093		1742		5198	
540	748			996			1134		1808		5392	
560	775			1032			1175		1873		5587	
580	802			1068			1216		1939		5782	
600	829			1104			1257		2004		5977	
650	897			1194			1359		2167		6464	
700	964			1284			1462		2331		6952	
750	1032			1375			1564		2494		7439	
800	1100			1465			1667		2657		7926	
850	1167			1555			1769		2821		8413	
900	1235			1645			1872		2984		8901	
950	1302			1735			1974		3147		9388	
1000	1370			1825			2077		3311		9875	
1100	1505			2005			2282		3637		10850	
1200	1640			2185			2487		3964		11824	
1300	1776			2365			2691		4291		12799	
1400	1911			2545			2896		4617		13773	
1500	2046			2725			3101		4944		14748	
1600	2181			2905			3306		5271		--	
1700	2316			3085			3511		5598		--	
1800	2451			3265			3716		5924		--	
1900	2587			3445			3921		6251		--	
2000	2722			3625			4126		6578		--	
2300	3127			4165			4741		--	7558	--	
2600	3533			4706			5356		--	8538	--	
2900	3939			5246			5970		--	9518	--	
3000	--			--			6175		--	9845	--	
4000	--			--			--	8225	--		--	
5000	--			--			--	10274	--		--	
5 SCFM increment	6,8			9,0			10,2		16,3		48,7	

¹⁾ at 60°F and 14,7 psia

		Orifice (not acc. to API)											
		A			D			B		C		G	
Design area [A ₀]		0,078 in²			0,122 in²			0,152 in²		0,235 in²		0,563 in²	
Design diameter [d ₀]		0,315 in			0,394 in			0,44 in		0,547 in		0,847 in	
NPS (Inlet x Outlet)		1/2" x 1"	3/4" x 1"	1" x 1"	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" x 2"	1 1/2" x 2"	2" x 2"
Set pressure (psig)													
< 30 psig with + 3 psig overpressure	5	on request											
	10	on request											
	No code stamp or NB on nameplates below 15 psig												
	15	113			150			171		345		814	
	20	130			173			197		398		938	
	30	165			219			250		504		1187	
40		203			270			307		620		1461	
50		240			321			365		736		1735	
60		278			371			422		852		2009	
70		316			422			480		969		2282	
80		354			472			538		1085		2556	
90		392			523			595		1201		2830	
100		430			574			653		1317		3104	
110		468			624			710		1433		3377	
120		506			675			768		1550		3651	
130		544			725			826		1666		3925	
140		582			776			883		1782		4199	
150		620			826			941		1898		4779	
160		658			877			998		2014		4746	
170		696			928			1056		2131		5020	
180		734			978			1113		2247		5294	
190		772			1029			1171		2363		5568	
200		810			1079			1229		2479		5841	
210		848			1130			1286		2595		6115	
220		886			1181			1344		2712		6389	
230		924			1231			1401		2828		6663	
240		962			1282			1459		2944		6937	
250		999			1332			1517		3060		7210	
260		1037			1383			1574		3176		7484	
270		1075			1434			1632		3293		7758	
280		1113			1484			1689		3409		8032	
290		1151			1535			1747		3525		8305	
300		1198			1585			1805		3641		8579	
320		1265			1686			1920		3873		9127	
340		1341			1787			2035		4106		9674	
360		1417			1889			2150		4338		10222	
380		1493			1990			2265		4571		10769	
400		1569			2091			2380		4803		11317	
420		1642			2192			2496		5035		11865	
440		1721			2293			2611		5268		12412	
460		1796			2395			2726		5500		12960	
480		1872			2496			2841		5733		13507	
500		1948			2597			2956		5965		14055	
520		2024			2698			3071		6197		14603	
540		2100			2799			3187		6430		15150	
560		2176			2901			3302		6662		15698	
580		2252			3002			3417		6895		16245	
600		2328			3103			3532		7127		16793	
650		2417			3356			3820		7708		18462	
1 pound increment		3,8			5,1			5,8		11,6		27,4	

	Orifice (not acc. to API)											
	A			D			B		C		G	
Design area [A ₀]	0,078 in²			0,122 in²			0,152 in²		0,235 in²		0,563 in²	
Design diameter [d ₀]	0,315 in			0,394 in			0,44 in		0,547 in		0,847 in	
NPS (Inlet x Outlet)	1/2" x 1"	3/4" x 1"	1" x 1"	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" x 2"	1 1/2" x 2"	2" x 2"
Set pressure (psig)												
700	2707			3609			4108		8289		19530	
750	2897			3862			4396		8870		20899	
800	3087			4115			4684		9451		22268	
850	3276			4368			4972		10032		23637	
900	3466			4621			5260		10613		25007	
950	3656			4874			5548		11194		26376	
1000	3846			5128			5835		11771		27745	
1100	4225			5634			6411		12933		30483	
1200	4605			6140			6987		14095		33222	
1300	4984			6646			7563		15257		35960	
1400	5364			7152			8139		16419		38698	
1500	5743			7656			8715		17585		41433	
1600	6123			8162			9291		18747		--	
1700	6502			8668			9855		19909		--	
1800	6882			9174			10442		21071		--	
1900	7261			9680			11006		22233		--	
2000	7641			10186			11594		23395		--	
2100	8020			10692			12170		24557		--	
2200	8400			11198			12746		25719		--	
2300	8779			11704			13322		26881		--	
2400	9159			12210			13897		28043		--	
2500	9538			12715			14473		29205		--	
2600	9918			13220			15049		30367		--	
2700	10297			13725			15625		31529		--	
2800	10677			14230			16201		32691		--	
2900	11056			14735			16777		33853		--	
3000	--			--			17353		35015		--	
3100	--			--			--	17928	--		--	
3200	--			--			--	18504	--		--	
3300	--			--			--	19080	--		--	
3400	--			--			--	19656	--		--	
3500	--			--			--	20232	--		--	
3600	--			--			--	20808	--		--	
3700	--			--			--	21384	--		--	
3800	--			--			--	21959	--		--	
3900	--			--			--	22535	--		--	
4000	--			--			--	23111	--		--	
4100	--			--			--	23687	--		--	
4200	--			--			--	24263	--		--	
4300	--			--			--	24839	--		--	
4400	--			--			--	25415	--		--	
4500	--			--			--	25990	--		--	
4600	--			--			--	26566	--		--	
4700	--			--			--	27142	--		--	
4800	--			--			--	27718	--		--	
4900	--			--			--	28294	--		--	
5000	--			--			--	28870	--		--	
5 pound increment	19			25			29		58		136,9	

		Orifice (not acc. to API)											
		A			D			B		C		G	
Design area [A ₀]		0,078 in²			0,122 in²			0,152 in²		0,235 in²		0,563 in²	
Design diameter [d ₀]		0,315 in			0,394 in			0,44 in		0,547 in		0,847 in	
NPS (Inlet x Outlet)		1/2" x 1"	3/4" x 1"	1" x 1"	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" x 2"	1 1/2" x 2"	2" x 2"
Set pressure (psig)													
< 30 psig with + 3 psig overpressure	5	on request											
	10	on request											
	No code stamp or NB on nameplates below 15 psig												
	15	8			18			11		19		55	
	20	9			19			13		21		63	
	30	11			21			15		25		75	
40		13			23			18		29		87	
50		14			25			20		32		97	
60		15			27			22		35		106	
70		17			29			24		38		115	
80		18			31			25		41		122	
90		19			32			27		43		130	
100		20			34			28		46		137	
110		21			35			29,5		48		144	
120		22			37			31		50		150	
130		22,5			38			32		52		156	
140		23			39			33		54		162	
150		24			40			35		56		168	
160		25			42			36		58		173	
170		26			43			37		59		179	
180		26,5			44			38		61		184	
190		27			45			39		63		189	
200		28			46			40		64		194	
210		28,5			47			41		66		198	
220		29			48			42		68		203	
230		30			49			43		69		208	
240		30,5			50			44		71		212	
250		31			51			44,5		72		216	
260		32			52			45		73		221	
270		32,5			53			46		75		225	
280		33			54			47		76		229	
290		33,5			55			48		78		233	
300		34			56			49		79		237	
320		35			58			50		82		245	
340		36			59			52		84		252	
360		37			61			53		86		260	
380		38			62			55		89		267	

	Orifice (not acc. to API)											
	A			D			B		C		G	
Design area [A ₀]	0,078 in²			0,122 in²			0,152 in²		0,235 in²		0,563 in²	
Design diameter [d ₀]	0,315 in			0,394 in			0,44 in		0,547 in		0,847 in	
NPS (Inlet x Outlet)	1/2" x 1"	3/4" x 1"	1" x 1"	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" x 2"	1 1/2" x 2"	2" x 2"
Set pressure (psig)												
400	39			64			56		91		274	
420	40			66			58		94		281	
440	41			67			59		96		287	
460	42			69			60		98		294	
480	43			70			62		100		300	
500	44			72			63		102		306	
520	45			74			64		104		312	
540	46			75			66		106		318	
560	47			77			67		108		324	
580	48			78			68		110		330	
600	48			80			69		112		335	
650	50			83			72		116		349	
700	52			85			75		121		362	
750	54			88			77		125		375	
800	56			91			80		129		387	
850	58			93			82		133		399	
900	59			96			85		137		411	
950	61			98			87		141		422	
1000	62			101			90		144		433	
1200	68			110			98		158		474	
1300	71			114			102		165		494	
1400	74			119			105		171		512	
1500	76			123			109		177		530	
1600	79			127			113		182		--	
1700	81			131			116		188		--	
1800	84			134			120		194		--	
1900	86			138			123		199		--	
2000	88			142			126		204		--	
2300	95			153			135		--	219	--	
2600	101			165			144		--	233	--	
2900	106			176			152		--	246	--	
3000	--			--			154		--	250	--	
4000	--			--			--	178	--		--	
5000	--			--			--	199	--		--	

	ARI-REYCO RL Series
	Fig. 966 / 968 / 969
ASME Code Section VIII-Division 1 (UV-stamp, NB-stamp) USA	X
Canada Registration - CRN (only version with UV-stamp)	X
Pressure equipment directive PED 97/23/EG Module B+D	X
Seat tightness	API 527

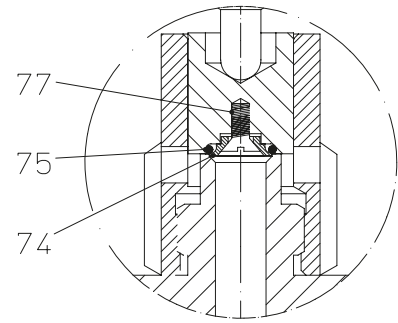
Certified coefficient of
discharge K

UV-/NB-stamp

	Orifice (not acc. to API)											
	A			D			B		C		G	
Area	0,078 in ²			0,122 in ²			0,152 in ²		0,235 in ²		0,563 in ²	
NPS (Inlet x Outlet)	1/2" x 1"	3/4" x 1"	1" x 1"	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" x 2"	1 1/2" x 2"	2" x 2"
Steam / Gas	0,860			0,732			0,668		0,689		0,858	
Liquid	0,634			0,652			0,465		0,487		0,610	

Soft sealing disc:

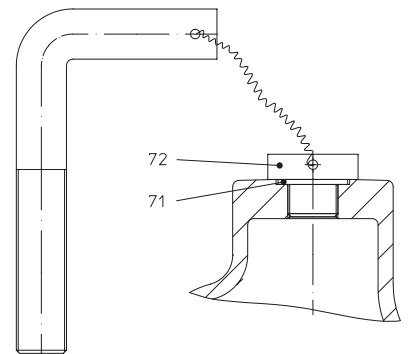
Aflas	-20 °F to +500 °F
BUNA-N	-65 °F to +275 °F
Chemraz	-20 °F to +450 °F
EPR	-65 °F to +325 °F
Fluoraz	-20 °F to +500 °F
Kalrez®	-20 °F to +550 °F
Silicone	-150 °F to +450 °F
Viton®	-65 °F to +400 °F



Parts

Pos.	Description	
74	Retaining plate	SA479Gr.316L
75	O-Ring	refer to material list above
77	Retaining screw	SA479Gr.304

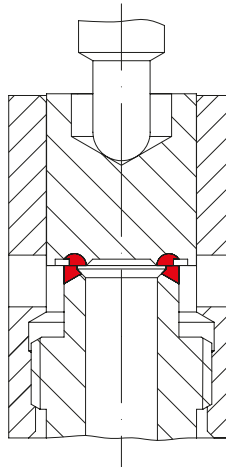
Design for test gag



Parts

Pos.	Description	
71	Gasket (gag screw)	Stainless steel
72	Gag screw	SA479Gr.316L

Stellited version



Base SA479Gr.316Ti / Stellite No. 21
Disc SA479Gr.316Ti / Stellite No. 6



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GERMAN QUALITY VALVES

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