

Корневые клапаны RTV1

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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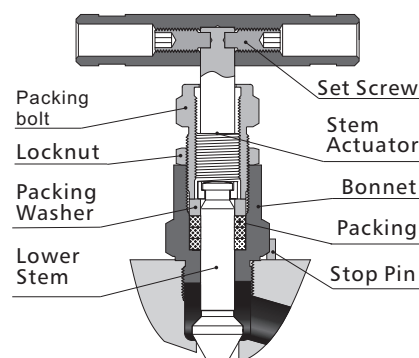
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Features

- ❖ Maximum working pressure up to 10000 psig (689 bar)
- ❖ Working temperature up to 1200°F (649°C) with Graphite packing
- ❖ Colour coded valve function identification
- ❖ Every valve is hydraulic pressure tested in accordance with EN 12266-1 and API 598. Every set is tested with nitrogen for leak-tight performance at 6000 psig
- ❖ Fire-tested design in accordance with BS 6755 part 2/API 607
- ❖ Flanged connections comply with ASME B16.5 RF and RTJ
- ❖ Pressure ratings in accordance with ASME B16.34

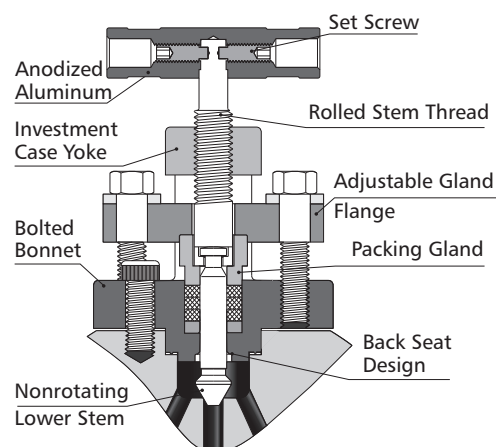
Needle Valve specification

- ❖ Maximum working pressure up to 10000 psig (689 bar)
- ❖ Working temperature:
 - PTFE packing: -65°F to 450°F (-54°C to 232°C)
 - Graphite packing: -65°F to 1200°F (-54°C to 649°C)
- ❖ Two-stem design: thread hardened upper stem and smooth surface hardened lower stem
- ❖ Upper stem thread lubricant is isolated from system fluid
- ❖ The nonrotating lower stem, linearly instead of helical movement, avoids galling damage to the seat and tip, as well as reduces the total friction area between the packing and the lower stem
- ❖ Stem back seating seals in fully open position
- ❖ Panel mounting is available as an option
- ❖ Double lock-pins enable steady and durable fastening of the handle
- ❖ Handle of different colors are available for option



OS&Y Needle Valve specification

- ❖ Maximum working pressure is 10000 psig (689 bar)
- ❖ Working temperature are as follows:
 - PTFE: -65°F to 450°F (-54°C to 232°C)
 - Graphite: -65°F to 1200°F (-54°C to 649°C)
- ❖ Two-stem design: thread hardened upper stem and smooth surface hardened lower stem
- ❖ Upper stem thread lubricant is isolated from system fluid
- ❖ The nonrotating lower stem, linearly instead of helical movement, avoids galling damage to the seat and tip, as well as reduces the total friction area between the packing and the lower stem
- ❖ Bolted bonnet enhance strength and reliability
- ❖ Back seat design provides secondary stem sealing and prevents stem blowout
- ❖ Adjustable gland flange allows easy access to the packing gland and packing adjustment for an effective stem seal
- ❖ Investment case yoke is formed by precision casting which enhances strength and perfect stem alignment
- ❖ Two handle pins make the handle fixed firmly and lastingly

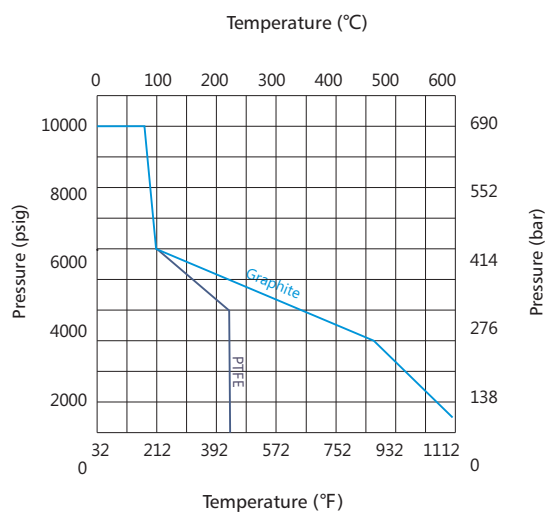


Standard Materials of Construction

Component		Body Material				
		Stainless Steel		Carbon Steel	Duplex Stainless Steel	
Body/End connector		F316 S.S. F316L S.S./A182	316 S.S. 316L S.S./A479	LF2/A350	F51/A182	S31803/A479
Needle Valve	Stem Tip	316 S.S., 316L S.S./A479			S31803/A479	
	Stem					
	Bonnet					
OS&Y needle Valve	Stem Tip	316 S.S., 316L S.S./A479			S31803/A479	
	Stem					
	Bonnet					
	Yoke	F316 S.S./A182				

Pressure vs. Temperature

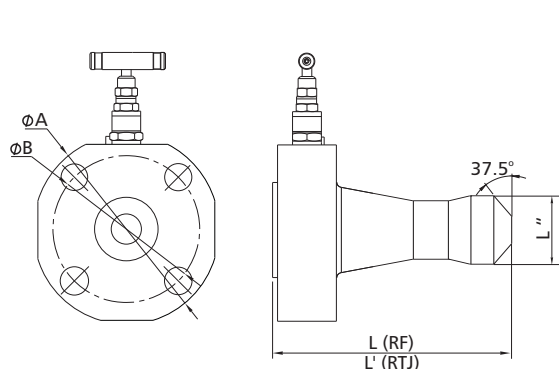
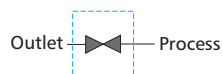
Needle and OS&Y needle Valve



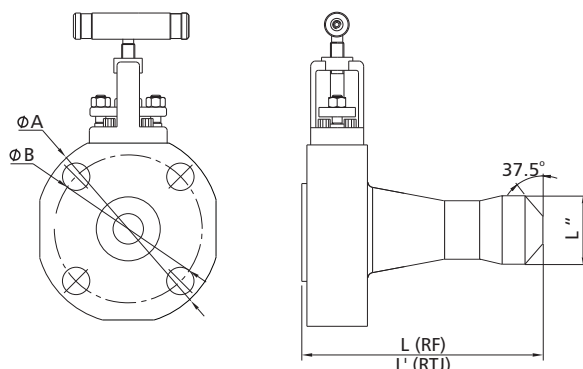
Sour Gas Service/NACE Compliant

Process interface valves for sour gas service are available. Materials are selected in accordance with NACE MR0175/ISO 15156.

Dimensions



needle valve



OS&Y needle valve

Flange Size	Orifice Size in. (mm)	ANSI Class	L in. (mm)	L' in. (mm)	ϕA in. (mm)	ϕB in. (mm)	L " Size
1/2 (DN15)	0.157 (4.0)	150	2.03 (51.6)	—	3.50 (88.9)	2.38 (60.5)	2.25 (50.2)
		300		2.03 (51.6)	3.75 (95.2)	2.62 (66.5)	
		600			4.75 (120.7)	3.25 (82.5)	
		900/1500			5.25 (133.4)	3.50 (88.9)	
		2500			5.50 (139.7)	3.75 (95.2)	
3/4 (DN 20)		150	2.03 (51.6)	—	3.88 (98.6)	2.75 (69.8)	
		300		2.03 (51.6)	4.62 (117.3)	3.25 (82.6)	
		600			5.13 (130.3)	3.50 (88.9)	
		900/1500			5.88 (149.4)	4.00 (101.6)	
		1 (DN 25)	2500	2.11 (53.5)	2.11 (53.5)	5.50 (139.7)	
150			2.03 (51.6)	2.03 (51.6)	4.25 (108.0)	3.12 (79.2)	
300					4.88 (124.0)	3.50 (88.9)	
600					5.88 (149.4)	4.00 (101.6)	
1 1/2 (DN 40)			900/1500	2.11 (53.5)	2.11 (53.5)	5.88 (149.4)	
		2500	2.67 (67.9)	2.67 (67.9)	6.25 (158.8)	4.25 (108.0)	
		150	2.03 (51.6)	2.03 (51.6)	5.00 (127.0)	3.88 (98.6)	
		300	2.11 (53.5)	2.11 (53.5)	6.12 (155.5)	4.50 (114.3)	
		600					
2 (DN 50)		900/1500	2.19 (55.5)	2.19 (55.5)	7.00 (177.8)	4.88 (124.0)	
		2500	2.42 (61.5)	2.42 (61.5)	8.00 (203.2)	5.75 (146.1)	
		150	2.11 (53.5)	2.11 (53.5)	6.00 (152.4)	4.75 (120.7)	
		300	2.19 (55.5)	2.19 (55.5)	6.50 (165.1)	5.00 (127.0)	
		600					
		900/1500	2.88 (73.4)	2.88 (73.4)	9.25 (235.0)	6.75 (171.5)	

Dimensions are for reference only and are subject to change.

How to Order

RTV1— O — PBW8 RF8600 TV8 — 316

Series	Inlet Type	Inlet Size	Outlet Type	Outlet Size	Flange Class		Packing Material	Vent Type and Size	Body Material							
RTV1	Needle	FBW	8	1/2 in. or 8 mm	FNPT	Female NPT	4	1/4 in.	300	Class 300	Graphite	No Vent	316	316 S.S.		
	O	OS&Y	Metric Tube Butt Weld	12	3/4 in. or 12 mm	NPT	Male NPT	6	3/8 in.	600	Class 600	T	PTFE	1/4 Female V4	316L	316L S.S.
				14	14 mm	FBT	Female BSPT	8	1/2 in.	900	Class 900	1500	Class 1500	1/2 Female V8	304	304 S.S.
				16	1 in. or 16 mm	MBT	Male BSPT	12	3/4 in.	2500	Class 2500		304L		304L S.S.	
				18	18 mm	FMS	Female ISO	14	M14 x 1.5	4500	Class 4500		A105		A105	
						Pipe Butt Weld	20	1 1/4 in. or 20 mm	MS	Male ISO	16	1 in.	20	1 1/2 in. M20 x 1.5	A400	Alloy 400
	22	22 mm	FBP				Female BSPP	22	M22 x 1.5	A20	Alloy 20					
	24	1 1/2 in.	RF				RF Flange	24	1 1/2 in. or M24 x 1.5		A600	Alloy 600				
	25	25mm	RTJ				RTJ Flange	27	M27 x 2			A825		Alloy 825		
	28	28mm						32	2 in.		A276			Alloy C276		
												DU7		Duplex 2507		

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