

Rising Plug Valves SRPV Series

Features

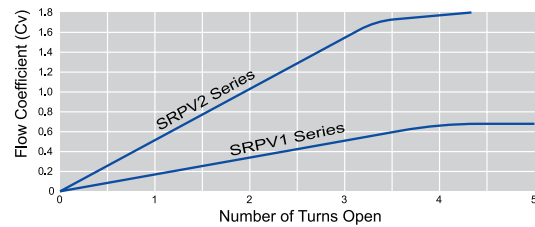
- Non-rotating stem tip
- Straight-through orifice for maximum flow
- Stem dust seal protects threads from external contamination
- Replaceable seals, seat and stem tip
- Panel mounting option
- Gauge port option



Specifications

Pressure rating	6000psig (413bar) @100°F(37°C)
Temperature rating	-20 to 400°F (-28 to 204 °C)
Body material	316 stainless steel
Orifice	4.8mm, 6.4mm

Flow Data at 100° F (37° C)



Testing

- Each Valve is tested with nitrogen at 1000psig(69bar) to maximum allowable leak rate of 0.1 SCCM.

Technical Data

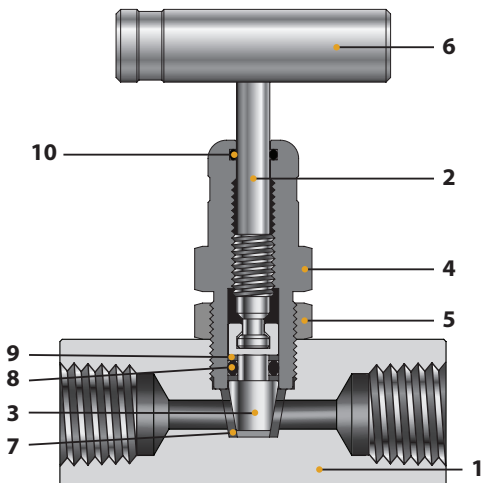
Pressure - Temperature Ratings

Body Material	316 Stainless Steel	
Seat Material	Acetal	PEEK
Temperature Rating °F (°C)	Working Pressure, psig (bar)	
-20 to 100 (-28 to 37)	6000 (413)	6000 (413)
200 (93)	2650 (182)	3000 (206)
250 (121)	1000 (68.9)	1600 (110)
300 (148)	-	1300 (89.5)
350 (176)	-	1200 (82.6)
400 (204)	-	1000 (68.9)

O-ring Material	Temperature Rating °F (°C)
VITON	-20 to 400 (-28 to 204)
Buna-N	-20 to 250 (-28 to 121)
Ethylene propylene	-20 to 250 (-28 to 121)
Kalrez	-20 to 400 (-28 to 204)

• Viton O-ring is standard.

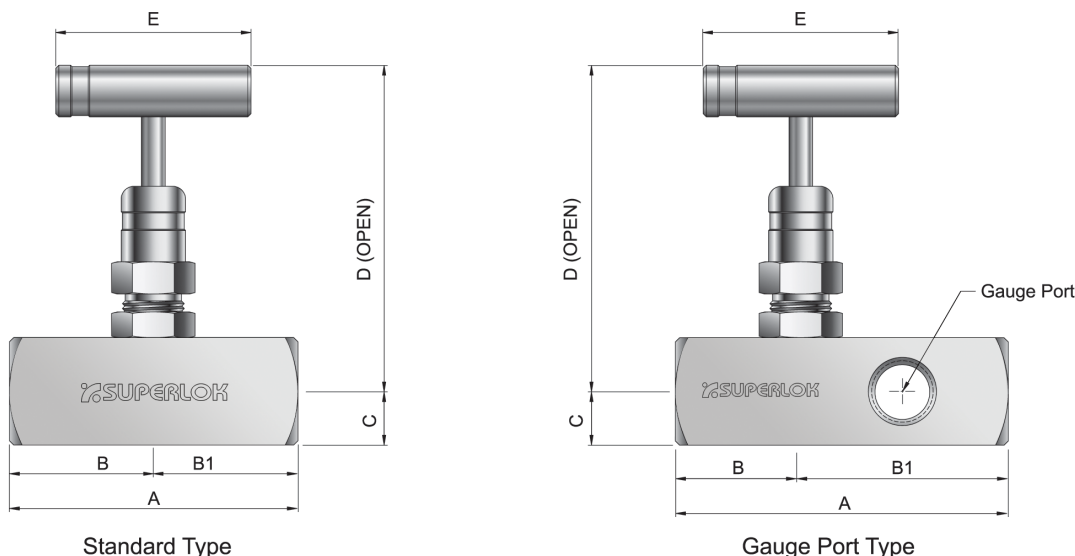
Materials of Construction



No.	Component	Material Grade / ASTM Specification
		Stainless Steel
*1	Body	SS316 / A479
2	Stem	S17400 / A564
*3	Stem Tip	SS316 / A276
*4	Bonnet	SS316 / A479
5	Lock Nut	SS316 / A276
6	Handle	SS316 / A276
*7	Seat	Acetal
*8	Stem Seal	Viton
*9	Back-up Ring	PTFE
10	Dust Seal	Viton

•Wetted components are marked "316"

Table of dimensions



Order Number		Orifice	Cv	End Connections		Dimensions, Inch (mm)					
Series	Part No.			Port 1	Port 2	A	B	B1	C	D	E
SRPV1	F-2N	4.8	0.63	1/4" Female NPT		62.0	31.0	31.0	12.7	96.3	60.0
	MF-4N			1/4" Male NPT	1/4" Female NPT	76.2	45.2				
	MF-8N-4N			1/2" Male NPT	1/4" Female NPT	81.1	50.1				
SRPV1-G4N	F-4N	6.4	1.80	1/4" Female NPT		78.0	31.0	47.0	16.0	96.9	
	MF-8N-4N			1/2" Male NPT	1/4" Female NPT	97.1	50.1				
SRPV2	F-8N			1/2" Female NPT		84.0	42.0	42.0			
	MF-8N			1/2" Male NPT	1/2" Female NPT	103.1	61.1				
	MF-12N-8N			3/4" Male NPT	1/2" Female NPT	103.1	61.1				
SRPV2-G8N	F-8N			1/2" Female NPT		107.4	42.0	65.4			
	MF-8N			1/2" Male NPT	1/2" Female NPT	126.5	61.1				
	MF-12N-8N			3/4" Male NPT	1/2" Female NPT	126.5	61.1				

•Dimensions are reference only, subject to change.

Ordering Information

SRPV1 - F - 4N - PE - EP - P - SS

1 2 3 4 5 6 7

1. Valve Series

- SRPV1 : Without gauge port
- SRPV1-G4N : Gauge port 1/4"NPT
- SRPV2 : Without gauge port
- SRPV2-G8N : Gauge port 1/2"NPT

3. Port Size

- Pipe Thread Designation

Size (inch)	1/4	1/2	3/4
Screwed NPT	4N	8N	12N
Screwed BSPT	4R	8R	12R

6. Panel Mounting

- Nil : Without Panel Mounting (Standard)
- P : Panel Mounting Type

2. Port Type (Inlet x Outlet)

- M : Male Pipe Thread
- F : Female Pipe Thread
- MF : Male Pipe Thread x Female Pipe Thread

4. Seat Material

- Nil : Acetal (Standard)
- PE : PEEK

5. O-ring Material

- Nil : Viton (Standard)
- N : Buna N
- EP : Ethylene propylene (EPDM)
- KAL : Kalrez

7. Body Material

- SS : 316 Stainless Steel