Relief Valves

Features

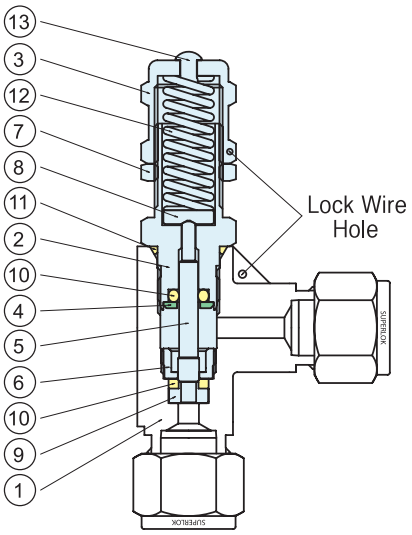
- Compact design
- Cracking pressure adjustable externally
- Lock wire feature secures a given pressure setting
- Every valve is factory tested

Set Pressure

- Set pressure is the upstream pressure at which the first indication of flow occurs
- Set pressure of each valve after initial relief is repeatable within ±5% of room temperature

SRVL Series

Low Pressure Relief Valve



Technical Data

- Maximum working pressure : 300 psig (20.6 bar)
- Cracking pressure range : 10~250 psig (0.69~17.2 bar)
- Orifice size : 4.8mm
- One spring for the full set pressure range
- If spring kit is required, use part no. SRVL-KIT

Materials of Construction

No.	Description	Material	No.	Description	Material
1	Body	SS316 / A182	9	Seat Retainer	SS316 / A276
2	Bonnet	SS316 / A276	10	Seat	PTFE
3	Cracking Pressure Adjusting Nut	SS316 / A276	11	O-Ring	Viton
4	Retainer	SS316 / A276	12	O-Ring	Viton
5	Stem Shaft	SS316 / A276	13	O-Ring	Viton
6	Stem	SS316 / A276	14	Spring	SS631
7	Lock Nut	SS316 / A276	15	Cap	Polypropylene
8	Spring Support	SS316 / A276			

SRVH Series

High Pressure Relief Valve

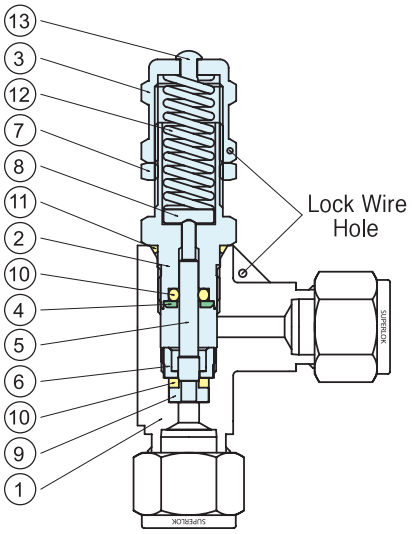
Technical Data

- Maximum working Pressure : 6000 psig (413 bar)
- Cracking Pressure Range : 225~6000 psig (15.5~414 bar)
- Orifice size : 4.8mm
- Multiple pressure ranges available by selecting colour coded spring from the chart below:

SRVH Series Spring

Spring Designator	Spring Color	Cracking Pressure		
		psig	bar	kPa
YE	Yellow	225~750	15.5~51.5	1550~5150
PP	Purple	750~1500	51.5~103	5150~10300
OE	Orange	1500~2250	103~155	10300~15500
BN	Brown	2250~3000	155~206	15500~20600
WH	White	3000~4000	206~275	20600~27500
RD	Red	4000~5000	275~344	27500~34400
GN	Green	5000~6000	344~414	34400~41400

※ If a spring kit is required, add "KIT" to the part number: ex: SRVH-KIT



Materials of Construction

No.	Description	Material	No.	Description	Material
1	Body	SS316 / A182	8	Spring Support	SS316 / A276
2	Bonnet	SS316 / A276	9	Stem Retainer	SS316 / A276
3	Cracking Pressure Adjusting Nut	SS316 / A276	10	O-Ring	Viton
4	Retainer	SS316 / A276	11	O-Ring	Viton
5	Stem Shaft	SS316 / A276	12	Spring	SS631
6	Stem Guide	SS316 / A276	13	Cap	Polypropylene
7	Lock Nut	SS316 / A276			

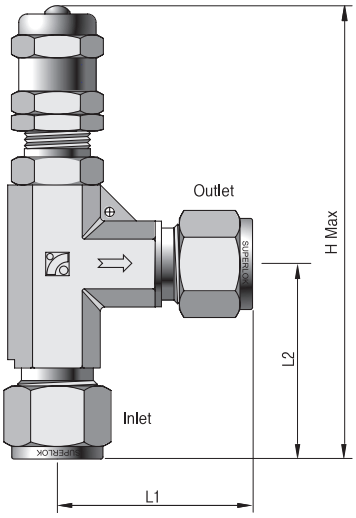


Table of Dimensions

Part Number		Orifice	End Connection		Dimensions		
			Inlet	Outlet	L1	L2	H
SRVL or SRVH	S4	4.8	1/4″ SUPERLOK		38.7	37.3	104.6
	S6M		6mm SUPERLOK		38.7	37.3	104.6
	S8M		8mm SUPERLOK		38.7	37.3	104.6
	S6		3/8″ SUPERLOK		44.4	44.4	111.7
	S8		1/2″ SUPERLOK		46.7	46.7	114.0
	S12M		12mm SUPERLOK		46.7	46.7	114.0
	M8N-S8		1/2″ Male NPT	1/2″ SUPERLOK	46.7	35.7	103.0
	M8N-S12M		1/2″ Male NPT	12mm SUPERLOK	46.7	35.7	103.0
	M4N-F4N		1/4″ Male NPT	1/4″ Female NPT	30.0	32.2	99.5
	M6N-F6N		3/8″ Male NPT	3/8″ Female NPT	34.5	32.2	99.5
	M8N-F8N		1/2″ Male NPT	1/2″ Female NPT	38.0	35.7	103.0

• Dimensions shown with SUPERLOK ends are measured with nuts in the finger tight position.
• All dimensions in millimeters unless specified as “inch”. Dimension are for reference only, subject to change.

Ordering Information

Example : **SRVH - S 8 - YE - SS**

1 — 2 3 — 4 — 5

1. Valve Series

SRVL : Low Pressure
SRVH : High Pressure

2. End Connection

S : Tube Fitting
M : Male Pipe Thread
F : Female Pipe Thread

3. Inlet and Outlet Connection Size & Type

Fractional	Connection Size	1/4″	3/8″	1/2″
	Designator	4	6	8
Metric	Connection Size	6mm	8mm	12mm
	Designator	6M	8M	12M
Thread		NPT	ISO TAPERED	
Designator		N	R	

4. Spring Designator

YE : 225 ~ 750 psig
PP : 750 ~ 1500 psig
OE : 1500 ~ 2250 psig
BN : 2250 ~ 3000 psig
WH : 3000 ~ 4000 psig
RD : 4000 ~ 5000 psig
GN : 5000 ~ 6000 psig

5. Body Material

SS : ASTM A182 F316 (Stainless steel)