

Pressure Relief Valve - Direct Acting

Benefits & Features

- Air, water, steam, mild acids
- Safety device for pipes and systems
- When the pressure increases to the set value, the valve quickly relieves the pressure. When the pressure returns to the safety value, the valve will automatically close to protect the system
- Media temperature: +10°C & + 180°C
- 316 Stainless Steel body
- High accuracy, and dependable in operation
- Included pressure gauge indicates the adjusted pressure

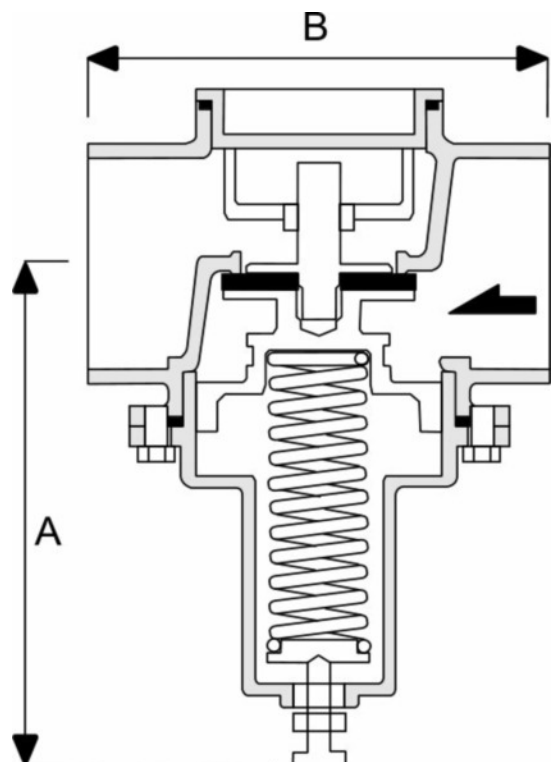


Specification

Configuration	Direct Acting
Port Sizes	1/2" to 2" BSP/NPT screwed ports. 1/2" - 6" PN16 Flanged
Body test pressure	35 Bar
Max. Applied pressures	25 Bar inlet. Outlet pressure ranges: 1-5, 4-10 and 8-13 Bar
Body	316 Stainless Steel
Media	Water, Air, Gases, Steam etc
Max. Temp	+ 90°C (VITON), or +180°C (TEFLON)

Technical Data

Model: Screwed Port				Orifice mm	Nominal Pressure	Pressure in Bar		KV Flow Factor L/Min.
A	B	C	Test Pressure					
P16	I	15	F/G	1/2"	15	25	35	35
P16	I	20	H/I	3/4"	20	25	35	129
P16	I	25	L/M	1"	25	25	35	157
P16	I	40	O/V	1 1/2"	40	25	35	300
P16	I	50	P/W	2"	50	25	35	357
Model: Flanged PN16								
P16	I	15	FL	1/2"	15	25	35	35
P16	I	20	FL	3/4"	20	25	35	129
P16	I	25	FL	1"	25	25	35	157
P16	I	40	FL	1 1/2"	40	25	35	300
P16	I	50	FL	2"	50	25	35	357
P16	I	65	FL	2 1/2"	65	25	35	1072
P16	I	80	FL	3"	80	25	35	1144
P16	I	100	FL	4"	100	25	35	1716
P16	I	150	FL	6"	150	25	35	3575

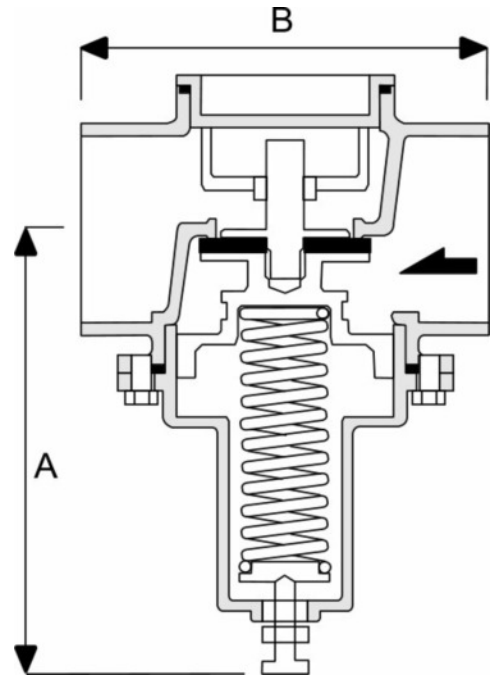


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Weight & Dimensions

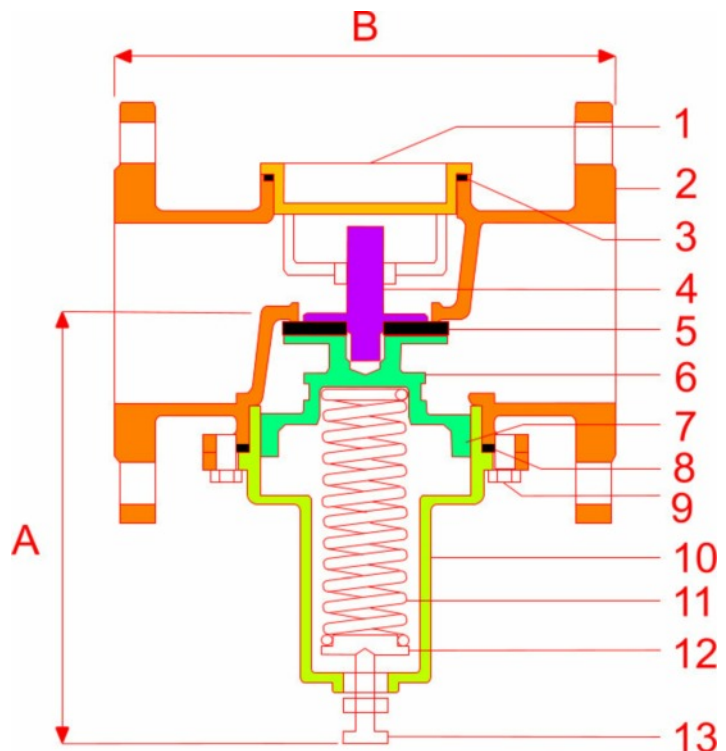
Screwed Port	Weight Kg	Dimensions mm	
		A	B
1/2"	0.8	85	70
3/4"	1	105	85
1"	1.05	105	90
1 1/2"	2.3	130	115
2"	2.5	130	120

Flanged Port	Weight Kg	Dimensions mm	
		A	B
1/2"	2	85	150
3/4"	3	105	150
1"	5	105	150
1 1/2"	8	130	190
2"	12	130	190
2 1/2"	16	185	210
3"	18	185	225
4"	25	230	250
6"	42	290	310



Materials

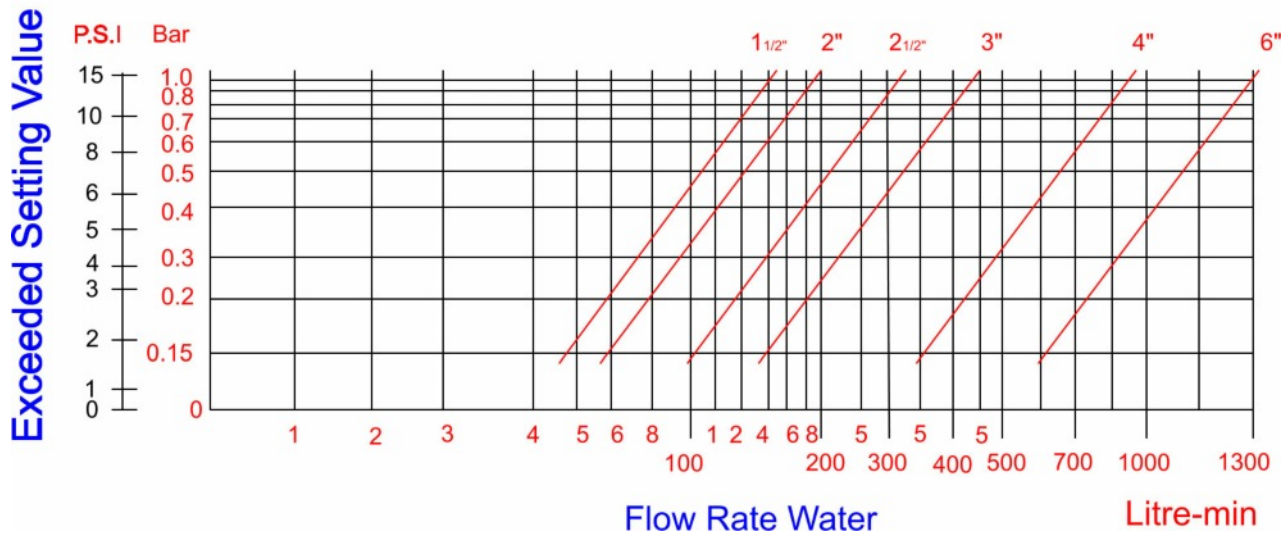
No.	Description	Material
1	Cover	316 Stainless Steel
2	Main Body	316 Stainless Steel
3	O ring	VITON
4	Shaft	316 Stainless Steel
5	Sealing Spacer	TEFLON
6	Seat	316 Stainless Steel
7	UH Ring	VITON
8	O ring	VITON
9	Fixed Bolt	304 Stainless Steel
10	Lower Cover	316 Stainless Steel
11	Spring	Spring Steel
12	Washer	Brass
13	Adjusting Stem	304 Stainless Steel



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Flow Chart

Flow Chart of Direct-Activated Pressure Relief Valve



Order Codes

A	Body	B	Ported Body	Flanged Body PN16. ANSI 150 upon request.				C	Seals (fluid temp. min / max)		
I	316 Stainless Steel	F	1/2" BSP	G	1/2" NPT	12A	1/2" PN16	25A	2 1/2" PN16	1	VITON (-10°C to + 90°C)
		H	3/4" BSP	I	3/4" NPT	34A	3/4" PN16	3A	3" PN16	10	TEFLON (-15°C to + 200°C)
		L	1" BSP	M	1" NPT	1A	1" PN16	4A	4" PN16		
		O	1 1/2" BSP	V	1 1/2" NPT	15A	1 1/2" PN16	6A	6" PN16		
		P	2" BSP	W	2" NPT	2A	2" PN16				