

MCS Pop Relief Valve



The Elster MCS Pop Relief Valve is recommended for applications where a small, high capacity, relief valve is desired. It is ideally suited for instrument protection, farm taps, gas engines and process industry installations involving air and other gases.

Models

Model Number	Inlet Connection	Outlet Connection
AF	3/4" & 1" FPT	None
AM	3/4" & 1" MPT	None
BF	3/4" & 1" FPT	1" FPT
BM	3/4" & 1" MPT	1" FPT
CF	3/4" & 1" FPT	2" MPT
CM	3/4" & 1" MPT	2" MPT

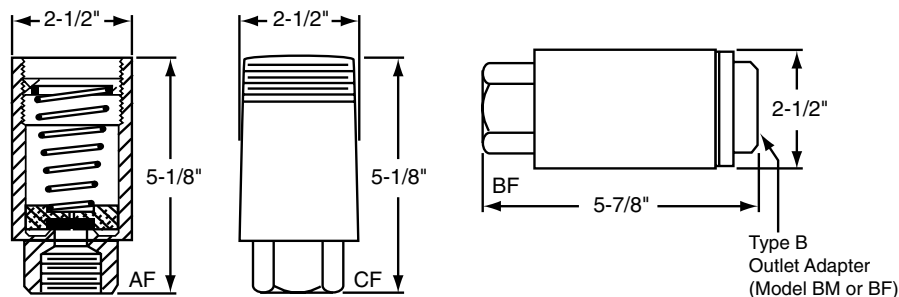
Options

- Weather Cap (available on Models AF and AM)
- Adjusting Wrench

Features

- Minimum relief pressure setting: 1/2 PSIG (.04 bar)
Maximum: 300 PSIG (21 bar)
- Maximum inlet pressure: 500 PSIG (35 bar)
- Rugged Construction - Body is high tensile strength gray iron ASTM A-126-66 Class B for standard models. Cast ductile iron ASTM A-445-66 material is also available.
- Seat Discs are Buna N permanently bonded to the seat disc holder. The seat disc holder is die cast aluminum and the adjusting screw is machined aluminum, both are black anodized for corrosion protection.
- 302 Stainless Steel relief spring - All springs snap-fit into adjusting screw for ease of assembly.
- Stainless Steel screen is provided for protection against insects and other foreign matter.

Specifications





Body



Seat disc holder



Spring



Adjusting screw



Weather cap

Technical Information

Spring Number	Range		Set Pressure		Maximum Flowing Pressure		Capacity	
	PSIG	BAR	PSIG	BAR	PSIG	BAR	SCFH	SM ³ /H
0	.5 - 1.0	.04 - .07	1.0	0.07	2.0	0.14	3,500	100
A	1.0 - 5.0	.07 - .35	5.0	0.35	6.0	0.41	8,000	225
B	5.0 - 10.0	.35 - .69	10.0	0.69	20.0	1.38	15,000	425
X	10.0 - 25.0	.69 - 1.72	25.0	1.72	50.0	3.45	28,000	795
1	25.0 - 35.0	1.72 - 2.41	35.0	2.41	60.0	4.13	32,500	920
2	35.0 - 50.0	2.41 - 3.45	50.0	3.45	75.0	5.17	39,000	1105
3	50.0 - 60.0	3.45 - 4.13	60.0	4.13	80.0	5.51	41,000	1160
4	60.0 - 75.0	4.13 - 5.17	75.0	5.17	100.0	6.89	48,000	1360
5	75.0 - 100.0	5.17 - 6.89	100.0	6.89	125.0	8.61	60,400	1710
6	100.0 - 175.0	6.89 - 12.06	175.0	12.06	200.0	13.78	92,800	2630
9	175.0 - 200.0	12.06 - 13.78	200.0	13.78	225.0	15.50	103,600	2935
10	200.0 - 300.0	13.78 - 20.67	300.0	20.67	325.0	22.39	146,900	4160

How to Order

To order an Elster MCS Pop Relief Valve, please specify:

1. Model Number
2. Inlet Connection
3. Outlet Connection
4. Spring Range
5. Options



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