

# 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.

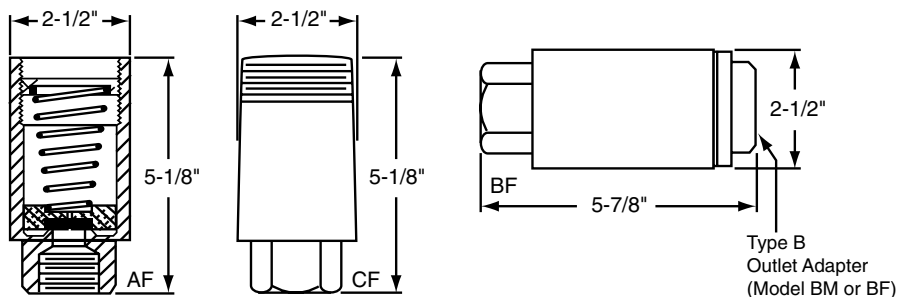
## Models

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

## Specifications



## 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.



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 <sup>3</sup> /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