

200MP Series

Relief Valve

Inline Relief Valves

Vacuum to 200 psi (14 bar)



Description

The 200MP series inline relief valve is a compact, factory preset, repeatable, direct acting pressure relief valve. Internal adjustment provides a tamper proof design against inadvertent pressure changes. 100% factory preset and tested to customers desired crack pressure. This valve is available in Male x Female NPT threads.

Applications

- System overpressure protection
- Low pressure systems
- Refrigeration & heating equipment
- Vacuum pump safety

Technical Data

Body Materials	Aluminum, Brass, 316 Stainless Steel
O-ring Materials	Viton, Neoprene, Buna, Teflon, Silicone, Fluorosilicone, Ethylene Propylene, Kalrez
Spring Material	302 Stainless Steel (Standard)
Locknut Material	18-8 Stainless Steel (Standard)
Operating Pressure	Vacuum to 200 psig (14 bar)
Cracking Pressure	.5 to 150 psig (.034 to 10.34 bar)
Burst Pressure	Above 500 psig (34 bar)
Temperature Range	-70°F to 400°F (-56°C to 204°C)
Connection sizes	1/8" NPT to 1-1/4" NPT

Note: Consult factory for any other custom sizes or materials.

Flow at Cracking Pressure

Elastomeric Seals: 5cc/min

PTFE: .02 scfm

Cracking Pressure Tolerance: ±5%

Initial cracking pressures may be higher than subsequent cracks due to inherent characteristics of seals. Cracking pressure tolerance will be greater than ±5% if set pressure is ≤1 psi

Valve Check Inc

1081 Hwy 36 East, Suite 1 • Maplewood, MN 55109

Phone (651) 330-3437 • Fax (651) 330-3172

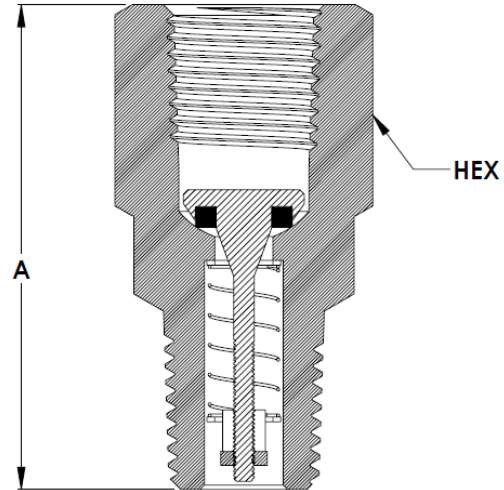
www.valvecheckinc.com

200MP Series

Inline Relief Valve

Dimensional Data

Fitting Size NPT	200MP Series - MNPT x FNPT	
	A	Hex
1/4"	1.65	.75
3/8"	2.12	.875
1/2"	2.38	1.125
3/4"	2.68	1.25
1"	3.61	1.50
1-1/4"	4.69	1.875



Ordering Code

213 - 2 - 2MP - 25

<p>Series</p> <p>Seal Material</p> <p>03 - Viton 07 - Neoprene 13 - Buna 20 - Teflon 24 - Silicone 26 - Fluorosilicone 32 - Ethylene Propylene 35 - Kalrez</p> <p>Material</p> <p>1C - Aluminum 2 - Brass 2NP - Brass (w/ Nickel Plate) 5C - 316 SST</p>	<p>Crack Pressure</p> <p>.5-150 psi</p> <p>Connection Sizes</p> <p>1MP - 1/8" MNPT x 1/8" FNPT 2MP - 1/4" MNPT x 1/4" FNPT 3MP - 3/8" MNPT x 3/8" FNPT 4MP - 1/2" MNPT x 1/2" FNPT 6MP - 3/4" MNPT x 3/4" FNPT 8MP - 1" MNPT x 1" FNPT 10MP - 1-1/4" MNPT x 1-1/4" FNPT</p> <p>Options</p> <p>(Consult factory for alternative seal, material, or thread sizes)</p>
---	--