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All Categories > Relief Valves > 500 Series Relief Valves 0.5 to 150 psig > Item # 559T1-8M

Item # 559T1-8M, Popoff Valves

Features

- Popoff or inline valves
- Adjustable crack pressure
- Zero leakage
- Optional factory preset
- Accurate set pressure
- Wide range of cracking pressure
- Tamper-proof adjustment
- 100% seat leakage tested
- PED certifications and CE marking available for most models

Note: Proper filtration is recommended to prevent damage to sealing surface.

List Price
QUOTE



[Specifications](#) | [Leakage](#) | [Applications](#) | [Safety](#)

Specifications

Series	500
Variation	Popoff
Body Material	316 Stainless Steel
Seal Material¹	Buna N
Valve Size	1 in
End Connection	Pipe Thread Male
Operating Pressure	0.5 to 150 psig 0 to 10 bar
Cracking Pressure	0.5 to 150 psig
Cracking Pressure Tolerance	±5%
Operating Temperature	-65 to 275 °F

Proof Pressure	400 psig
Rated Burst Pressure	500 psig
Dim. L	3.16 in
Dim. L1	2.86 in
Hex	1 1/2 in
Dia. D (max.)	1.89 in
Weight	0.8 lbs
Optional Body Material	303 stainless steel 316 Stainless Steel Aluminum Brass
Optional End Connections	M - Male NPT S - British Taper Pipe (Male) X - British Taper Pipe (Female)

Leakage

Leakage, Ascending Pressure

Standard seals: 0 to 95% of cracking pressure

Silicon & EPR: 0 to 80% of cracking pressure

Teflon®:

Cracking pressures up to 2.4 psi: 4cc/min at 0 to 50% of cracking pressure
Cracking pressures 2.5 psi and higher: 1cc/min at 0 to reseal pressure, 10cc/min from reseal to 90% of cracking pressures

Leakage at Reseat Pressure

All elastomeric seals: Zero

Teflon®: 1cc/min for cracking pressures 2.5 psi and higher

Applications

- System overpressure protection
- Storage tanks
- Freon® recovery systems
- Medical equipment
- Refrigeration & heating equipment
- Measuring & dispensing pumps
- Communications equipment
- Process control instruments
- R&D pilot plants
- Vacuum pump safety

Safety

For Your Safety

It is solely the responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or property damage.

¹ 520 Series: -100° F to +400° F (-73°C to +204°C) Teflon® o-ring

K520 Series: -320° F to +165° F (-196°C to +74°C) Polished Teflon® o-ring, cryogenic testing and serialization

580 Series: Polished Teflon® o-ring