

Pressure Limiting Valve / Overpressure Protector

The Automatic action Pressure Limiting Valve-Snubbers Model 255, 2550 and 71620 is for use with liquid & gases to protect systems from over range at operating pressure up to 15,000 psi

Achieves pressure gauge protection

Automatic positive protection

Accurate repeatable performance

- Available in 4 set ranges, the shut-off pressure is adjustable from 10 to 3,000 psi
- Chemiquip snubber assures positive, repeatable performance of valve and gauge by protecting against surges, pulsations and entrained solids inclusions
- Swift, Simple external adjustment
- Entire unit length 3" (255) or 4" (2550 & 71620)
- Outfitted with ¼" NPT (255), ½" NPT (2550) or 716-20 UNF (71620) Male or female inlet and female outlet ports
- Compact & installs in line easily
- Each valve is tested before shipping

The valve automatically shuts off pressure to the gauge if the pressure rises above the adjustable pre-set pressure, and automatically restores the instrument on-line when pressure falls below the pre-set value. Allows instruments of different ranges to be connected to a common manifold.

The valve may be assembled with a snubber at inlet for complete pressure and surge or pulsation control.

The snubber will also serve to smooth the reaction of the valve to pressure changes, thus avoiding erratic performance by insuring application of pressure at a constant rate.

The valve may be assembled at any point or in any position in an instrument system, Adjacency to the instrument is not important to the proper operation of the valve.



Specifications:

Pressure set ranges:

Style-3 10-150 psi
 Style-4 150-500 psi
 Style-5 500-1000 psi
 Style-6 1000-3000 psi

Inlet operating pressure:

3000 psi (255-Brass)
 8000 psi (255-Stainless Steel)
 10,000 psi (2550-Stainless Steel)
 15,000 psi (71620-Stainless Steel)

Burst pressure:

15,000 psi (255-Brass)
 20,000 psi (255 & 2550-Stainless Steel)

Temperature range:

0°F to 400°F (Viton)
 -20°F to 250°F (Buna)
 -70°F to 250°F (EPDM)

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Ordering Data:

Example:

| | | | | | |
|--|--|----------|----------|----------|--|
| PLV- | 255S | 3 | V | C | |
| 1. Body | | | | | |
| 255S | ¼" NPT Female Stainless Steel 300 Series | | | | |
| 255SK | ¼" NPT Female 316 Stainless steel <small>Meets N.A.C.E MR0175</small> | | | | |
| 255B | ¼" NPT Female Brass | | | | |
| 255M | ¼" NPT Female Monel (Special) | | | | |
| 2550 | ½" NPT Female 316 Stainless steel <small>Meets N.A.C.E MR0175</small> | | | | |
| 2550M | ½" NPT Female Monel (Special) | | | | |
| 71620 | 7/16-20 UNF Female | | | | |
| MxF | add MxF for male x female valve (255S-MxF) | | | | |
| 2. Style | | | | | |
| 3 | 10-150 Psi | | | | |
| 4 | 150-500 Psi | | | | |
| 5 | 500-1000 Psi | | | | |
| 6 | 1000-3000 Psi | | | | |
| 3. Seal / Temperature Range (°F)* | | | | | |
| V | Viton 0°F to +400°F* | | | | |
| B | Buna -20°F to +250°F | | | | |
| P | EPDM -70°F to +250°F | | | | |
| Z | (Special) Other Seals (Please Specify) | | | | |
| 4. Snubber (Type of Service) ** | | | | | |
| C | Highly Viscosity Fluids (over 500 S.S.U.) | | | | |
| D | Oil (225 S.S.U. to 500 S.S.U.) | | | | |
| E | Water & Light Oils (30 to 225 S.S.U.) | | | | |
| F | Vapor and Low Viscosity Fluids (under 30 S.S.U.) | | | | |
| G | Air or other Gases | | | | |
| HX | Pulsating Gas | | | | |
| HXX | Extreme Gas Pulsation | | | | |
| NS | No Snubber | | | | |
| 5. Options | | | | | |
| | Optional Factory Preset (Please Specify) | | | | |
| | Material Traceability Report | | | | |
| | Hydrostatic Testing | | | | |
| | Cleaned for Oxygen Service | | | | |
| | Stainless Steel tags | | | | |
| | Repair kit | | | | |
| | Special end connections | | | | |

* It is the customer's responsibility to make sure that the medium is compatible with the O-rings

**Snubber for model no 71620 has to be ordered separately

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Dimensions:

