

High Pressure Limiting Valve / Overpressure protector

The Automatic action Pressure Limiting Valve-Snubbers Model 5460 & 5500 is for use with liquid & gases to protect systems from over range at operating pressure up to 22,500 psi

Achieves pressure gauge protection

Automatic positive protection

Accurate repeatable performance

- Available in 3 set ranges, the shut-off pressure is adjustable from 100 to 10,000 psi
- When used in conjunction with a Chemiquip snubber it assures positive, repeatable performance of valve and gauge by protecting against surges, pulsations and entrained solids inclusions
- Swift, Simple external adjustment
- Outfitted with ¼" NPT (5460) or ½" NPT (5500) female inlet and outlet ports
- Compact & installs in line
- Each valve is tested before shipping

In operation

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-L 100-800 psi
 Style-M 800-2500 psi
 Style-N 2500-10,000 psi

Max working pressure:

12,000 psi (5460)
 22,500 psi (5500)

Temperature range:

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

Ordering code

Example:

PLV-	5460		L	V		
1. Connection						
5460	¼" NPT Female					
5500	½" NPT Female					
2. Material						
	Stainless Steel 300 Series					
Z	(Special) Other Material					
3. Style						
L	100-800 Psi					
M	800-2500 Psi					
N	2500-10,000 Psi					
4. 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)					
5. Options						
	Pressure Snubber (specify one of standard porosity's) See standard pressure snubbers (chemiquip.com)					
	Optional Factory Preset (Please Specify)					
	Material Traceability Report					
	Hydrostatic Testing					
	Cleaned for Oxygen Service					
	Stainless Steel tags					
	Repair kit					
	Male adapter with or without snubber					
	Special end connections					

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

Dimensions

	A	B	C
PLV 5460	1"	1¾"	4"
PLV 5500	1¼"	2¼"	4"

