



## PRESSURE LIMITING VALVES

The series PLV pressure Limiting Valves automatically protects pressure instruments from damage due to an excessive pressure surge, and then automatically restores the instrument on line, when pressure falls below the valve's pre-set value.

These valves respond instantaneously, making it impossible to over-pressure the instrument.

They can be factory set by Ambit, or field set by a technician, and are available in either brass or stainless steel bodies with various adjustable set ranges from 70 to 70,000 kPa. They can also be set to protect instruments with vacuum ranges against positive pressures.

Below are our most commonly used models. Other models with higher pressure settings, BSPT or BSPP connections, Monel wetted parts, Oxygen cleaned, etc are available. Please contact Ambit for details.

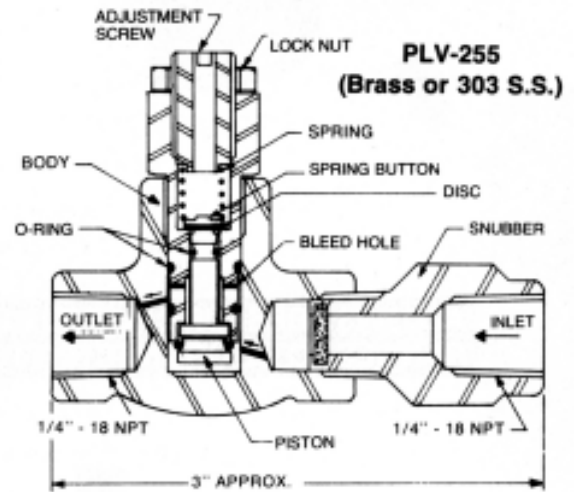
### GENERAL USE

MODEL	MATERIAL	CONNECTIONS
PLV-255B	Brass	1/4"NPT female
PLV-255S	300 series st/st	1/4"NPT female
PLV-255O	316 st/st	1/2"NPT female

#### SPECIFICATIONS

Pressure set ranges...	Style	Range (kPa)
	Style 3	70 to 1000
	Style 4	1000 to 3400
	Style 5	3400 to 6800
	Style 6	6800 to 20,400

Inlet Operating Pressure...	20,400 kPa (Brass)	34,500 kPa (st/st)
Proof Pressure.....	41,000 kPa (Brass)	68,900 kPa (st/st)
Minimum Burst Pressure.	100,000 kPa (Brass)	170,000 kPa (st/st)
Seal material.....	Buna N (Standard), Viton, EPDM	
Temperature Range.....	Buna N -10/+120°C Viton -10/+170°C	
Accuracy.....	+/- 10% of set pressure	



The above models come complete with a porous metal snubber

### HIGH PRESSURE

MODEL	MATERIAL	CONNECTIONS
PLV-5460	300 series st/st	1/4"NPT female
PLV-5500	300 series st/st	1/2"NPT female

#### SPECIFICATIONS

Pressure set ranges...	Style	Range (kPa)
	Style L	700 to 5500
	Style M	5500 to 17,200
	Style N	17,200 to 68,900

Maximum Working Pressure...	Model PLV-5460 : 82,500 kPa	Model PLV-5500 : 170,000 kPa
Seal material.....	Buna N (Standard), Viton	
Temperature Range.....	Buna N -10/+120°C Viton -10/+170°C	
Accuracy.....	+/- 10% of set pressure	

