

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.

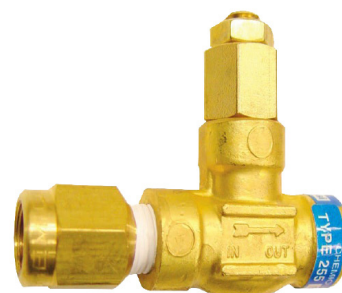
They can be factory set by Ambit, or field set by a technician and are available in either brass or stainless steel bodies with various adjustable set ranges from 70 to 70,000 kPa. They can also be set to protect instruments with vacuum ranges against positive pressures.

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

General Use

Model	Material	Connections	Style	Pressure Set Range kPa
PLV-255B	Brass	1/4"NPT female	3	70 to 1000
PLV-255S	300 series st/st	1/4"NPT female	4	1000 to 3400
PLV-255O	316 st/st	1/2"NPT female	5	3400 to 6800
			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



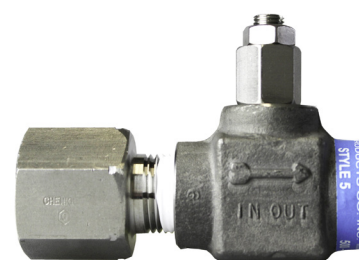
Model PLV 255B

The above models come complete with a porous metal snubber

High Pressure

Model	Material	Connections	Style	Pressure Set Range kPa
PLV-5460	300 series st/st	1/4"NPT female	L	700 to 5500
PLV-5500	300 series st/st	1/2"NPT female	M	5500 to 17,200
			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



Model PLV 2550

Sales of ALL products are subject to our General Conditions of Quotation & Supply.
Technical specifications are subject to change without prior notice.

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