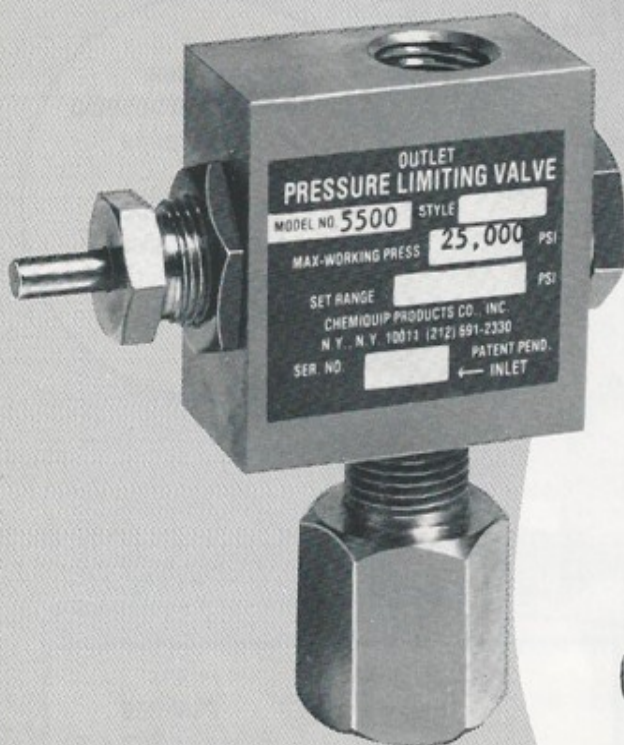


An advanced system for protection of pressure gauges and switches/CHEMIQUIP Pressure Limiting Valve



- compact
- installs in line
- protects pressure instruments automatically



Designed specifically for use with

**CHEMIQUIP
PRESSURE
SNUBBERS**

ALLOWS PRESSURE INSTRUMENTS OF DIFFERENT RANGES TO BE CONNECTED TO A COMMON MANIFOLD.

THIS PRESSURE LIMITING VALVE IS EXTREMELY COMPACT, EASILY INSTALLED & MAINTAINED

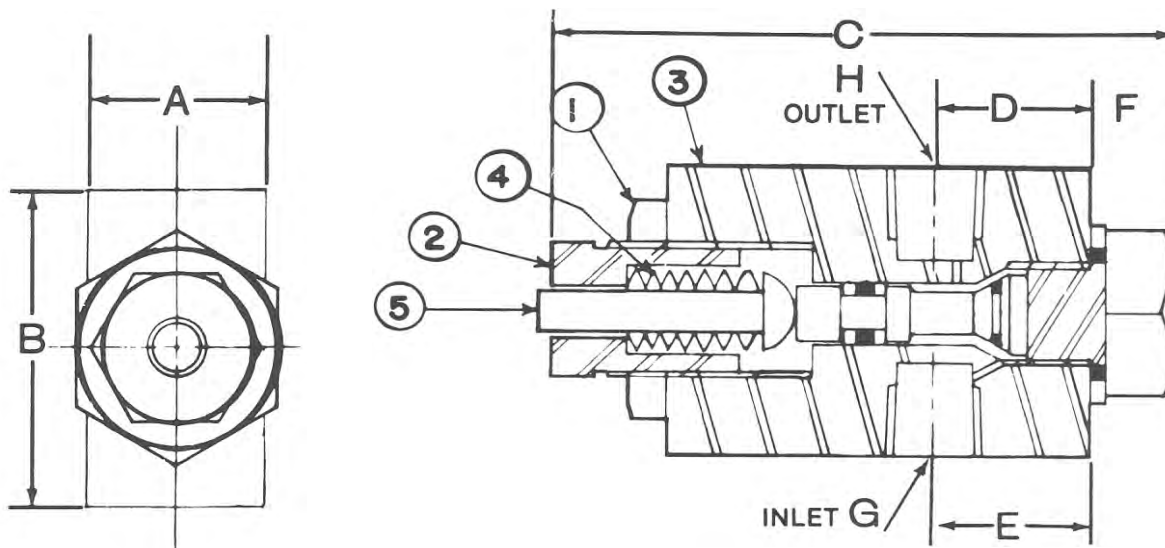
• AUTOMATIC POSITIVE PROTECTION: • ACCURATE REPEATABLE PERFORMANCE

- New Chemiquip Pressure Limiting Valve with 1/2"-14 NPT or 1/4" - 18 NPT inlet & outlet connections.
- It guards against gauge damage resulting from excess pressure.
- The shut-off pressure is adjustable from 100 to 10,000 psi for PL V -5460 & 5500;
- It seals out pressure rises above pre-set value automatically.
- It shuts off instrument line automatically when over pressure occurs.
- It automatically restores instrument line when pressure falls below pre-set values.
- When it is used in conjunction with Chemiquip Snubber, it protects pressure-sensitive instruments from transient line induced surges, pulsations and over pressure.
- The valve is made of 300 series stainless steel.
- The valve is rated from 12,000 to 25,000 psi, depending on models.

PART NO.	MAX WORKING PRESS. (PSI)	SET RANGE (PSI)	STYLE NO.
PLV 5460	12,000	100-800	L
PLV 5460	12,000	800-2500	M
PLV 5460	12,000	2500-10,000	N
PLV 5500	25,000	100-800	L
PLV 5500	25,000	800-2500	M
PLV 5500	25,000	2500-10,000	N



CHEMIQUIP PRESSURE LIMITING VALVE



	A	B	C	D	E	F	G	H
PLV 5460	1"	1¾"	4"	¾"	¾"	¾"	¼" NPT	¼" NPT
PLV 5500	1¼"	2¼"	4"	¾"	1"	¾"	½" NPT	½" NPT

ADJUSTMENT INSTRUCTIONS

- To increase pressure, back off lock nut (1), rotate adjustment screw (2) clockwise,
- To decrease pressure, rotate adjustment screw (2) counter-clockwise,
- **IMPORTANT-**For accurate, repeatable results, it is imperative to relieve upstream pressure to less than set-point before manipulating adjustment screw (2),
- When set, tighten lock nut (1), Adjustment range may be altered by removing adjustment screw (2) completely from valve body (3) and adding or removing disc springs (4) as required, Push rod (5) extends through adjustment screw (2) and moves in accordance with pressure changes, By mounting a micro switch at the end of the push rod (5), the switch may be used for electrically controlling the system,

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,

TEMPERATURES RANGE:

Minus 40°C (minus 40°F) to 120°C (248°F),
Temperature range is determined by seals which are used in the valve, Special seals are available to order to increase the temperature range,

ACCURACY

Repeatable accuracy of the valve depends on the rate of pressure rise, However, an accuracy of ± 10 of the set pressure may be expected,