

## Pressure Limiting Valve - PL02 Series

### FEATURES

- Protects instrument assembly from severe pressure spikes
- Prevents damage, loss of accuracy and or rupture of sensing elements
- 316Ti Stainless Steel construction

### TYPICAL USES

- Oil & Gas Industry
  - Upstream: Onshore/offshore production
  - Midstream: Transport, storage and natural gas compression
  - Downstream: Refineries and petrochemical industries
- Chemical Industry
- Power Plants
  - Conventional power plants
  - Nuclear power plants
  - Flue gas desulfurization plants
- Other Industries
  - Waste incineration plants
  - Seawater desalination plants
  - Steel mills
  - Cement plants



### SPECIFICATIONS

Process Conn:	¼ NPTM, ½ NPTM
Instrument Conn:	¼ NPTF, ½ NPTF
Construction:	316Ti SS
Max Pressure Rating:	14,500 psi
Max Temperature Rating (PTFE):	175°F (80°C)

### COMPONENTS

### MATERIAL

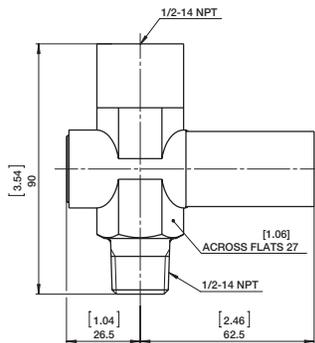
Wetted	
Body	316L
Valve stem	316L
Needle tip	316Ti
Packing	PTFE up to 200 °C
Gland nut	304
Screw Plug	316L

- Isolates instrument assembly from process when set pressure is realized
- Automatically resets after 25% drop in pressure from set point
- Available set points from 6 psi to 8700 psi
- Built in pressure snubbing design
- Supplied with wetted parts according to NACE MR0175/MR0103 (CD-5 Certificate)

## Data Sheet

### Pressure Limiting Valve - PL02 Series

#### DIMENSIONS (dimensions in [ ] are decimal inches)



#### ORDERING CODE

<b>Example:</b>	04	PL02	A	ST	50	0010#	XC3
<b>Process Connection</b>							
04 - 1/2 NPT Male	04						
02 - 1/4 NPT Male	02						
<b>Series Code</b>							
PL02-Valve		PL02					
<b>Style</b>		psi	bar/KSC				
A-Style A	6-36	.4-2.5	A				
B-Style B	30-85	2-6					
C-Style C	75-360	5-25					
D-Style D	300-850	20-60					
E-Style E	750-3600	50-250					
F-Style F	3500-5800	240-400					
G-Style G (Available in 1/4" only)							
<b>Material</b>							
ST - 316Ti SS				ST			
<b>Instrument Connection</b>							
50-1/2 NPT Female					50		
25-1/4 NPT Female							
<b>Factory Set Range (4-digit) *other ranges available on request</b>							
0010# - 0 psi*							
0002BR - 2-bar*							
<b>Options</b>							
C3-Material Traceability Report – HY-Hydrostatic Testing							XC3
6B-Cleaned for Oxygen Service NH-Stainless Steel Tags							
5G – Assembly: Instrument, Pressure Limiting Valve <sup>(1)</sup>							
E9 – Assembly: Instrument, Pressure Limiting Valve, siphon <sup>(1)(2)</sup>							
F7 – Assembly: Instrument, Pressure Limiting Valve, Diaphragm Seal or Isolation Ring <sup>(1)</sup>							
F9 – Assembly: Instrument, Capillary, Pressure Limiting Valve, Snubber, Diaphragm Seal or Isolation Ring <sup>(1)</sup>							
K2 – Assembly: Instrument, Capillary, Pressure Limiting Valve, Diaphragm Seal or Isolation Ring <sup>(1)</sup>							
L2 – Assembly: Instrument, Pressure Limiting Valve, Diaphragm Seal or Isolation Ring <sup>(1)</sup>							
(1) – Assemblies are configured in order as listed. Consult factory for details on configuration and for other assembly options. All components in assembly must be purchased as separate items.							
(2) – Coil and pig tail siphons will only be hand tightened onto the assembly for filling purposes.							