FEATURES
- Protects instrument assembly from over pressure and severe pressure spikes
- Prevents damage, loss of accuracy and or rupture of sensing elements
- 316Ti SS 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
  - Flue gas desulfurization plants
- Other Industries
  - Waste incineration plants
  - Seawater desalination plants
  - Steel mills
  - Cement plants

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process Connection:</td>
<td>¼ NPT Male, ½ NPT Male</td>
</tr>
<tr>
<td>Instrument Connection:</td>
<td>¼ NPT Female, ½ NPT Female</td>
</tr>
<tr>
<td>Construction:</td>
<td>316Ti SS</td>
</tr>
<tr>
<td>Maximum Pressure Rating:</td>
<td>14,500 psi</td>
</tr>
<tr>
<td>Maximum Temperature Rating:</td>
<td>175°F (80°C)</td>
</tr>
<tr>
<td>Minimum Temperature Rating:</td>
<td>14°F (-10°C)</td>
</tr>
<tr>
<td>FKM (FPM by ISO):</td>
<td>FKM: 175°F (80°C) to 14°F (-10°C)</td>
</tr>
</tbody>
</table>

WETTED COMPONENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body &amp; Valve Stem, Screw plug</td>
<td>316L SS</td>
</tr>
<tr>
<td>Needle Tip</td>
<td>316Ti SS</td>
</tr>
<tr>
<td>Piston seal</td>
<td>FKM (equivalent to FPM by ISO)</td>
</tr>
<tr>
<td>Gland nut</td>
<td>304 SS</td>
</tr>
</tbody>
</table>

KEY BENEFITS
- Isolates instrument assembly from process when set pressure is realized
- Automatically resets after 25% drop in pressure from setpoint
- Available setpoints from 6 psi to 8,700 psi
- Built in pressure snubbing design
ORDERING CODE  Example: 04 PL02 A ST 50 0010# -XC3

**Process Connection**

04 - ½ NPT Male  
02 - ¼ NPT Male

**Series Code**

PL02 - Valve  PL02

**Material**

ST - 316Ti SS  ST

**Instrument Connection**

50 - ½ NPT Female  
25 - ¼ NPT Female

Factory Set Range (4-digit) *other ranges available on request*

0010# - 10 psi  
0002BR - 2 bar  
0010KG - 10 kilogram

**Options (If choosing option(s) must include an “X”)**

HY - Hydrostatic testing  
C3 - Material traceability report  
NH - SS Tags  
E9 – Assembly: Instrument, Pressure limiting valve, siphon(10)  
F7 – Assembly: Instrument, Pressure limiting valve, Diaphragm seal or isolation ring(10)  
F9 – Assembly: Instrument, Capillary, Pressure limiting valve, Snubber, Diaphragm seal or isolation ring(10)  
K2 – Assembly: Instrument, Capillary, Pressure limiting valve, Diaphragm seal or isolation ring(5)  
L2 – Assembly: Instrument, Pressure limiting valve, Diaphragm seal or isolation ring(5)  
5G – Assembly: Instrument, Pressure limiting valve(5)  
6B - Cleaned for oxygen service

(1) – Assemblies are configured in order as listed. Consult factory for details on configuration and for other assembly options.

(2) – Coil and pig tail siphons will only be hand tightened onto the assembly for filling purposes.

**DIMENSIONS**

For reference only, consult Ashcroft for specific dimensional drawings