

Pressure Limiting Valve - PL02 Series

FEATURES

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

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 NPT Male, ½ NPT Male, G ½ Male for more check table at page
Instrument Conn:	¼ NPT Female, ½ NPTF Female, G ½ Female for more check table at page
Construction:	316Ti/316L Stainless Steel or special materials on request
Max Pressure Rating:	600 bar (8,700 psi)
Max Temp. Rating FKM (FPM by ISO):	80°C (175 °F)

- Isolates instrument assembly from process when set pressure is realized
- Automatically resets after 25% drop in pressure from set point
- Available set points from 0,4 bar (6 psi) to 600 bar (8,700 psi)
- Built in pressure snubbing design

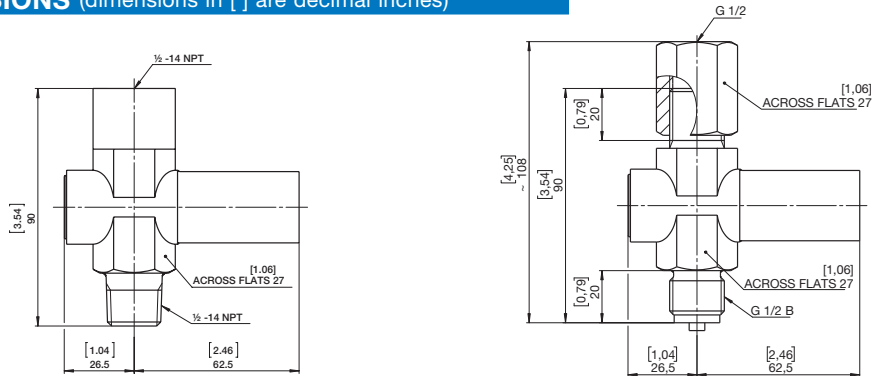
COMPONENTS	MATERIAL
Wetted parts	
Body	316Ti (1.4571) or 316L (1.4404) or special materials
Valve stem	316 (1.4401)
Needle tip	316Ti (1.4571)
Piston seal	FKM (FPM by ISO), others on request
Gland nut	304 (1.4301)
Screw plug	316L (1.4404)
Diaphragm*	FKM (FPM by ISO)

* Style A only

Data Sheet

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DIMENSIONS (dimensions in [] are decimal inches)



ORDERING CODE Example 04 PL02 A ST 50 02.5BR XC3

Process Connection

04 - 1/2 NPT Male	04
02 - 1/4 NPT Male	*1)
15 - G 1/2 male	*1)
16 - M20x1.5 male	*1)
09 - Aminco 9/16-18 UNF-2B female	*1)

Series Code

PL02 - Valve PL02

Style (setpoint)	(#) psi	(BR/KSC) bar/KSC	A
A - Style A	6-36	0.4-2.5	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	5800-8700	400-600	

Wetted Parts Material

ST - 316Ti Stainless Steel (1.4571)		ST
SS - 316L Stainless Steel (1.4404)	*2)	
HH - Hastelloy C-276 (2.4819)	*2)	
PM - Monel 400 (2.4360)	*2)	

Instrument Connection (no interchange of different connection types)

50 - 1/2 NPT Female	50
25 - 1/4 NPT Female	
61 - M20x1.5 female swivel	
81 - G 1/2 female swivel	
09 - Aminco 9/16 UNF-2B female	

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

0010# - 10 psi
 0002BR - 2-bar

Options

CD2 - Certificate acc. to EN 10204 2.2	
C3 - Material traceability report acc. to EN 10204 3.1	XC3
CD5 - Certificate acc. to NACE for Oilfields and Refineries	
MQ - Positive material identification (PMI) test	
HY - Hydrostatic testing	
6B - Cleaned for oxygen service	
NH - Stainless steel Tags	

*1) Only admissible for wetted parts material ST

*2) Only admissible for connection size 04

