

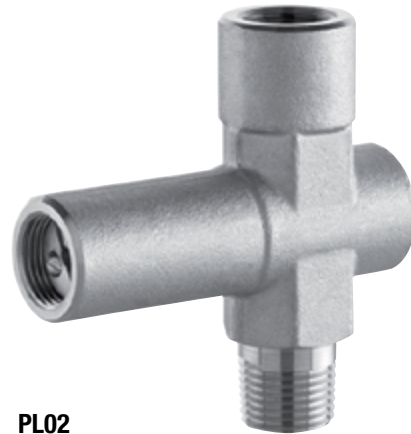
Pressure Limiting Valve - PL02 Series

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
 - Flue gas desulfurization plants
- Other Industries
 - Waste incineration plants
 - Seawater desalination plants
 - Steel mills
 - Cement plants



PL02
Pressure Limiting Valve

SPECIFICATIONS

Process Connection: 1/4 NPT Male, 1/2 NPT Male,
G 1/2 B Male
for more check table at page 2

Instrument Connection: 1/4 NPT Female, 1/2 NPT Female,
G 1/2 Female
for more check table at page 2

Construction: 316Ti/316L Stainless Steel
or special materials on request

Max Pressure Rating:
Input: 1000 bar (14500 psi)
Working: 600 bar (8700 psi)
For Oxygen-Service
Working: 400 bar (5802 psi)

Max Temp. Rating
FKM (FPM by ISO): 80 °C (175 °F)
Oxygen-Service: 60 °C (140 °F)

Min Temperature Rating: -10 °C (14 °F)

WETTED COMPONENTS

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

* Style A only

KEY BENEFITS

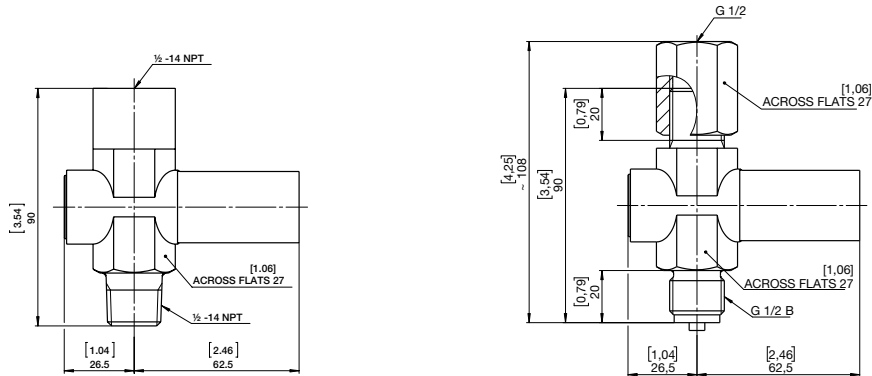
- Isolates instrument assembly from process when set pressure is realized
- Automatically resets after 25% drop in pressure from set point
- Available set points from 0,4 bar (6 psi) to 600 bar (8,700 psi)
- Built in pressure snubbing design

Data Sheet

Pressure Limiting Valve - PL02 Series

DIMENSIONS IN MM [INCH]

For reference only, consult Ashcroft for specific dimensional drawings



ORDERING CODE	EXAMPLE:	04	PL02	A	ST	50	0002BR	XC3
Process Connection								
04 - 1/2 NPT Male		04						
02 - 1/4 NPT Male	*1)							
15 - G 1/2 B Male	*1)							
16 - M20x1.5 Male	*1)							
09 - Aminco 9/16-18 UNF-2B Female	*1)							
Series Code			PL02					
PL02 - Valve								
Style (setpoint)		(#)	(BR/KSC)					
		psi	bar/kg/cm2					
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 interchanging of the 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							2BR	
Options (If choosing an option(s) must include a "X")								
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 stainless steel 316Ti (ST)

*2) Only admissible for connection size 1/2 NPT Male (04)

