

# PL82 Pilot Regulator

The PL82 is designed for the P1808 and P289 Back Pressure/Relief regulators.

The PL82B is used in pressure relief applications and vents continuously when the main valve is re-positioned or in the relieving mode. The PL82B does not bleed/relieve with pressures below the set pressure.

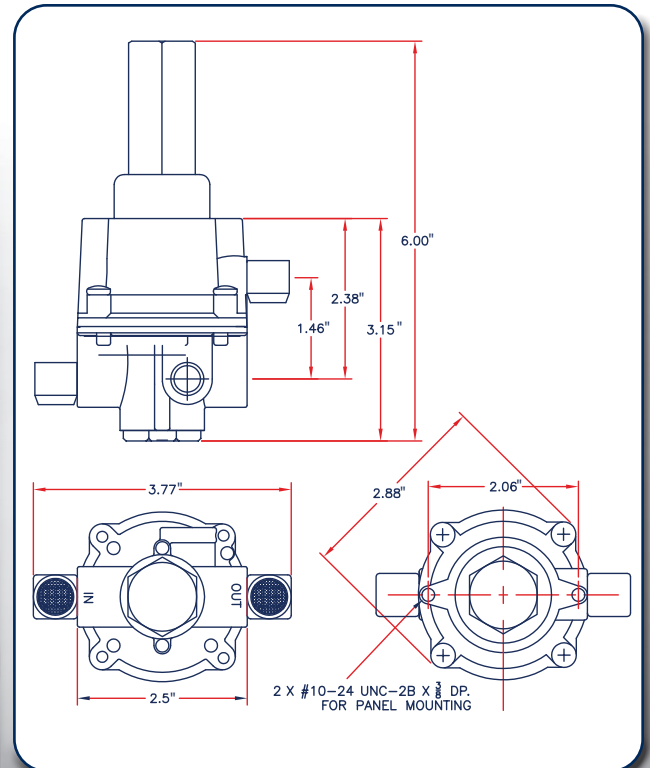
The gain options of low, medium and high allow for the lowest build ups and fastest response time - high gain being the fastest.



## PL82 Pilot Matrix (For F289 Regulator)

PL	02	0	00	
82				Version
				For PSIG Ranges
				Configuration
B				Relief Device
				Spring Range- PSIG / BAR
	010			2-10 PSIG/ 0.13-0.69
	018			10-18 PSIG/ 0.7-1.3
	030			18-30 PSIG/ 1.3-2.1
	100			30-100 PSIG/ 2.1-7.0
				Bleed Restrictions
		L		Low Gain
		S		Standard Gain
		H		High Gain
				Trim
		0		Nirile (NBR)
		2		Fluorocarbon (FKM)
				Body Material
		0		Aluminum

## PL82 Dimensions



## PL82 Pilot Matrix (For P1808 Regulator)

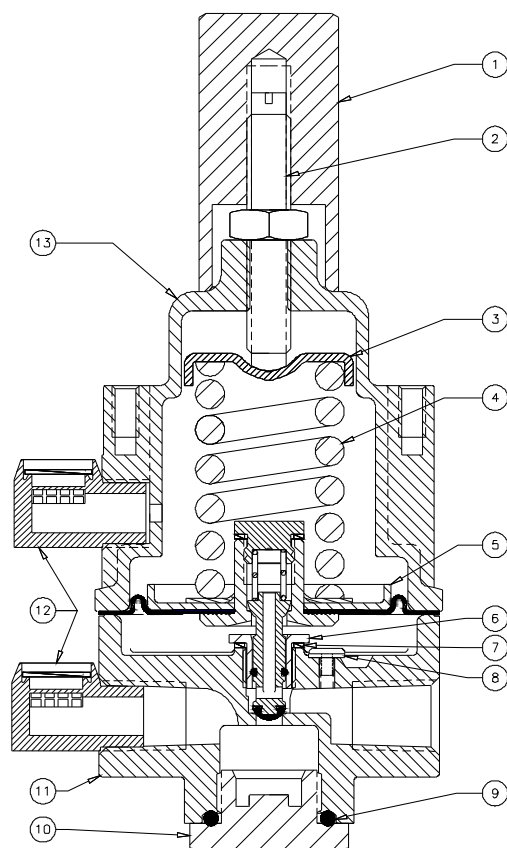
PL	02	0	00	
82				Version
				PSI Units
				Configuration
0				Back Pressure Regulator
B				Relief Device
				Spring Range - PSIG / BAR
	018			3-18 / 0.21-1.3
	040			15-40 / 1.0-2.75
	125			35-125 / 2.4-8.6
				Bleed Restrictions
		0		No Bleed (Back Pressure Reg)
		L		Low Gain
		S		Standard Gain
		H		High Gain
				Trim
		0		Nirile (NBR)
		2		Fluorocarbon (FKM)
				Body Material
		0		Aluminum

## PL82 Parts

Item	Description
1	Tamperproof Nut
2	Adjustment Screw Assembly
3	Spring Guide
4	Range Spring
5	Diaphragm Assembly
6	Stem Guide
7	Gasket
8	Restrictor Screw
9	O-Ring
10	Bottom Plug
11	Body
12	Exhaust Filter
13	Bonnet
14	Build Screws (Not Shown)

## Replacement Parts

Range Springs	
2-10 PSIG	655-000-202
3-18 PSIG	655-000-267
10-18 PSIG	
18-30 PSIG	655-000-154
15-40 PSIG	655-000-085
30-100 PSIG	655-000-155
35-125 PSIG	
Diaphragm Assembly	
Nitrile (10 PSIG & up)	804-281-000
FKM (10 PSIG & up)	804-281-001
Restrictor Screws	
Standard Gain	648-543-000
Low Gain	648-543-001
High Gain	648-543-002



# BelGAS

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## BelGAS Website

With decades of proven market experience, the BelGAS division of Marsh Bellofram is a global leader in the design and manufacturing of high pressure regulators, low pressure regulators, and other flow control products. Scan the QR or visit our website at <https://bit.ly/BelGAS>



## BelGAS Regulator Sizing Wizard

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