

## First Stage Regulators

### Spring Loaded - Low & High Pressure

The PG627 is a Spring Loaded Low & High Pressure Regulator used for first stage applications. Construction materials are a Cast Ductile Iron Body with an Aluminum Bonnet & Diaphragm Case. The exterior powder-coated epoxy finish provides durability and installation versatility.

Model #	Port Size	Max. Inlet Pressure	Max. Outlet Pressure	Capacity
PG627	1"	250 PSI	5 PSI to 20 PSI	Up to 45.5 MBTUH
	2"		15 PSI to 40 PSI	



Spring Loaded PG627

### Direct Acting Features:

- Balanced valve design.
- Built-in Pulsation Damper.
- Available with High and/or Low Pressure Shut-Off Valve (PGD11 Only).
- Requires Down-Stream Sensing Line.

Model #	Port Size	Max. Inlet Pressure	Max. Outlet Pressure	Capacity
PGD1&2	1 1/2"	275 PSI	11" WC to 30 PSI	15 to 200 MBTUH
PGD11&12	2" Flanged			



Direct Acting PGD1



Direct Acting PGD22

### Back Pressure Regulator/Relief Valve

The Type P289 Back Pressure Regulator functions as a high flow relief valve with an adjustable set point. The P289 can be used in place of a standard relief valve to provide protection against over pressurization in the downstream system. The design of a large diaphragm area and a pitot tube booster allow the valve to respond quickly and relieve the excessive pressure smoothly, especially in low-pressure settings.

Model #	Port Size	Max. Inlet Pressure	Max. Outlet Pressure
P289.1	1"	100 PSI	1-70 PSI
P289.2	2"	25 PSI	7" W.C. - 10 PSI



Back Pressure P289

### Pilot Operated Features:

- Accurate downstream pressure control despite varying flows and inlet pressure.
- Spring loaded pilot internal relief valve assembly.
- No downstream sensing line required since it has an internal bleed hole.

Model #	Port Size	Max. Inlet Pressure	Max. Outlet Pressure	Capacity
PGP12	2"	250 PSI	30 PSI	15 to 69 MBTUH



Pilot Operated PGP12

## Second Stage Regulators

### Spring Loaded Features:

- Internal Relief Valve Assembly.
- Field Interchangeable Adjustment Spring.
- Controlled Size Breather Orifice eliminates pulsation.

Model #	Port Size	Max. Inlet Pressure	Max. Outlet Pressure	Capacity
PGS10	1 1/2" or 2"	125 PSI	11" WC to 5 PSI	Up to 31 MBTUH
PGS12				
PGS24				



Spring Loaded PGS12

**Commercial and Industrial Gas Systems are to be installed according to Federal, State, and Local Codes. Please verify system requirements with an authority having jurisdiction.**