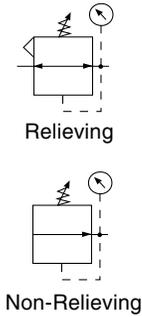


# Precision Regulator

## P12 (Modular with 12 Series)

= "Most Popular"



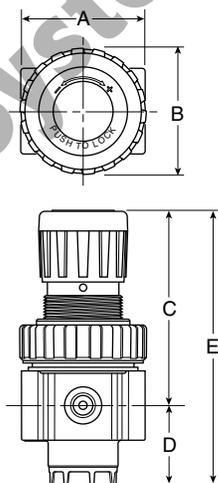
**P12-02-D000**

### Features

- Fine Adjustment Sensitivity
- Good Repeatability and Minimal Pressure Drop
- High Flow Capacity
- Brass Valve for Long Life
- High Flow: 25 SCFM
- Modular with 12 Series FRL
- Non-rising, Removable Knob
- Multiple Porting Options

**⚠ WARNING**

**Product rupture can cause serious injury.  
Do not connect regulator to bottled gas.  
Do not exceed maximum primary pressure rating.**



**NOTE: Panel Mount Nut sold separately.**

**NOTE: 1.53" Dia. (39 mm) hole required for panel nut mounting.**

### Dimensions

Model	Inches (mm)	A	B	C	D	E
Precision Unit P12-02-D000		2.00 (51)	2.06 (52)	3.16 (80)	1.28 (32)	4.44 (113)

### Specifications

Flow Capacity*	1/4	25 SCFM (11.8 dm <sup>3</sup> /s)
	3/8	25 SCFM (11.8 dm <sup>3</sup> /s)
Adjusting Range Pressure	1 to 15 PSIG (0.06 to 1.0 bar)	
	1 to 30 PSIG (0.06 to 2.1 bar)	
	1 to 60 PSIG (0.06 to 4.1 bar)	
	2 to 125 PSIG (0.13 to 8.6 bar)	

Gauge Ports (2x)	NPT / BSPP-G	1/4
Maximum Supply Pressure		250 PSIG (17.2 bar)
Operating Temperature		32° to 175°F (0° to 80°C)
P1, P2 Port Size (Inlet / Outlet)	NPT / BSPP-G	1/4, 3/8
Weight	lb. (kg)	1.0 (0.45)

**Effect of Supply Pressure Variation** – 0.5 PSIG (.035 bar) for 25 PSIG (1.73 bar) change in P<sub>1</sub>

**Relief Capacity** – 0.5 SCFM (0.24 dm<sup>3</sup>/s) @ 5 PSIG (.35 bar) increase in P<sub>2</sub>

\* **Flow Capacity** – Inlet pressure 100 PSIG (7 bar), no flow secondary pressure set 90 PSIG (6.2 bar), 15 PSIG pressure drop at rated flow.

### Materials of Construction

Body	Zinc
Bonnet & Bottom Cap	Plastic
Collar & Knob	Plastic
Diaphragm Assembly	Nitrile
Poppet	Brass
Seals	Nitrile
Springs	Valve & Control Steel

### CAUTION:

**REGULATOR PRESSURE ADJUSTMENT** – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

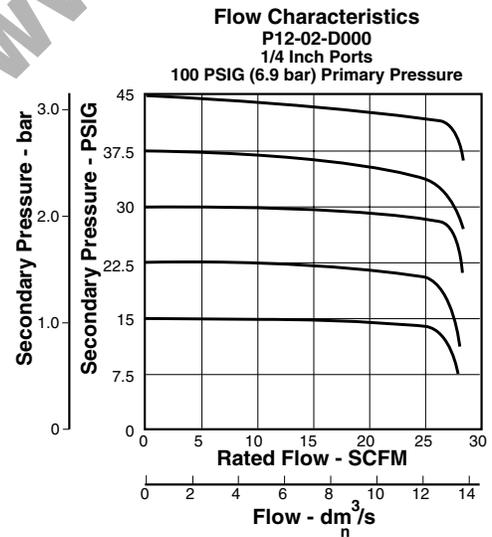
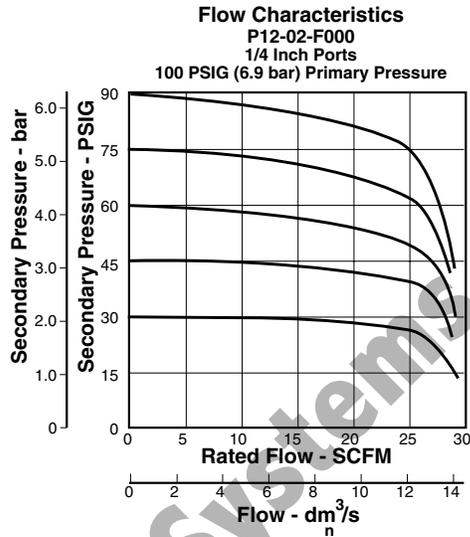
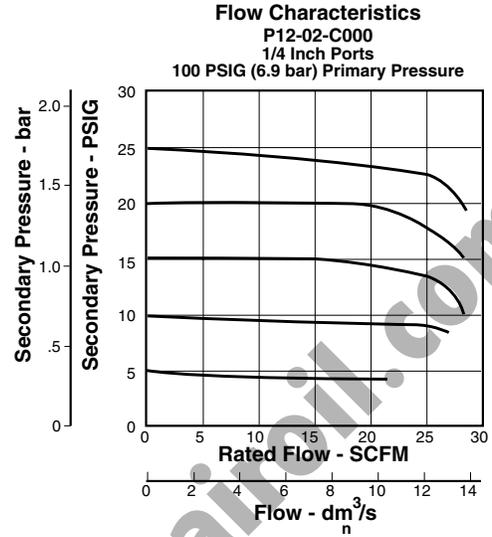
 = "Most Popular"

### Replacement Kits

- Control Knob .....RRP-96-312
- Service Kit..... RRP-96-305
- Springs, Regulating –
  - 1 to 15 PSIG (0.06 to 1.0 bar) ..... RRP-96-311
  - 1 to 30 PSIG (0.06 to 2.1 bar) ..... RRP-96-303
  - 1 to 60 PSIG (0 to 4.1 bar) ..... RRP-96-302
  - 2 to 125 PSIG (0.13 to 8.6 bar)..... RRP-96-301

### Accessories

- Mounting Bracket Kit (With Panel Mount Nut) ..... GPA-96-313
  - Panel Mount Nut, Metal..... GPA-96-314
- NOTE:** Gauge not included, order separately by accessory number.



### Ordering Information

Model Type	Port Size	Without Gauge 15 PSIG (1.03 bar)	Without Gauge 30 PSIG (2.07 bar)	Without Gauge 60 PSIG (4.14 bar)	Without Gauge 125 PSIG (8.62 bar)
Relieving	1/4	P12-02-A000	P12-02-C000	P12-02-D000	P12-02-F000
	3/8	P12-03-A000	P12-03-C000	P12-03-D000	P12-03-F000

**Options** - To order an option supplied with the unit model, add the appropriate coded suffix letter in the designated position of the model number.

