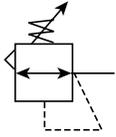


High Precision Regulator P17

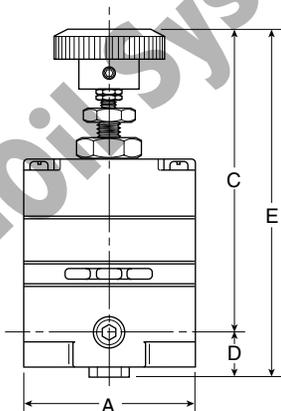
= "Most Popular"



P17-02-F00

Features

- Accurate Pressure Regulation
Controls Output Pressure to Within 0.1% Accuracy
- Multi-stage Regulation for Maximum Control and Stability
- Two Full Flow Gauge Ports
- Super Sensitive Relief. Downstream Pressure Buildup, Down to 0.005 PSIG Above the Set Pressure, is Automatically Vented through Internal Relief Valve
- P17 has High Exhaust Relief Capacity



Dimensions

Models	Inches (mm)	A	C	D	E
Standard Unit P17-02-F00		2.06 (52)	3.82 (97)	0.43 (11)	4.35 (110)

Specifications

Flow Capacity at 100 PSIG (6.89 bar) Supply, 20 PSIG (1.38 bar) Outlet	14 SCFM (25m ³ /hr)	
Constant Bleed Rate (Equals Bleed Rate plus other consumption)	Less than 0.08 SCFM (0.15m ³ /hr)	
Effect of Supply Pressure Variation of 25 PSIG (1.7 bar) on outlet:	Less than 0.005 PSIG (0.0003 bar)	
Exhaust (Relief) Capacity at 5 PSIG (0.34 bar) above 20 PSIG (1.38 bar) Setpoint	Standard Model	3 SCFM (3.4m ³ /hr)
	High-Relief Model	11 SCFM (17m ³ /hr)
Gauge Ports (Can be used as additional full flow 1/4" outlet ports)	1/4" NPTF	
Operating Pressure Range –	PSIG	bar
Primary – Maximum	150	10.34
Secondary – Spring Pressure		
40 PSIG	Minimum 2	0.14
	Maximum 40	2.76
120 PSIG	Minimum 2	0.14
	Maximum 120	8.27
Operating Temperature Range 0°F* to 150°F (-18°C * to 65°C) Temperatures below (0°C) 32°F require moisture free air.		
Port Threads	1/4"	
Repeatability / Sensitivity	0.005 PSIG (0.0003 bar) Inches of Water Column = 1/8"	
Total Air Consumption	6 SCFH (0.21m ³ /hr.)	
Weight	1.4 lb (0.64 kg)	

Materials of Construction

Adjusting Stem & Capsule	Stainless Steel
Body	Zinc
Control Knob	Plastic
Diaphragm(s)	Buna-N
Seals	Buna-N
Springs	Stainless Steel
Valve Poppet	Stainless Steel

The P17 is a high precision, multi-stage pressure regulator. This pressure controller provides the highest level of regulation accuracy and repeatability available and is ideal for applications that call for the utmost in control and maximum stability under variable operating conditions. A stainless steel measuring capsule is used as a sensing element to activate the high gain servo balanced control mechanism in which the main valve is controlled by a pilot valve. This allows for greater accuracy and eliminates many of the problems associated with conventional regulators using range springs and diaphragms.

 = "Most Popular"

Regulator Kits

Service Kits

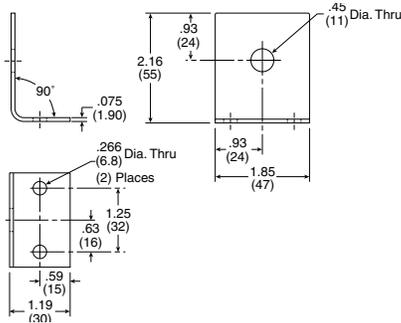
- 2-40 PSIG RKR210A*
- 2-120 PSIG RKR210C*
- 2-120 PSIG (High Relieving) RKR220C*

* Parts in Kit

Accessories

Mounting Bracket Kits

- Pipe Mounting SA200YW57
- Right Angle Mounting 446-707-045



Mounting Bracket: 446-707-045

⚠ WARNING

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

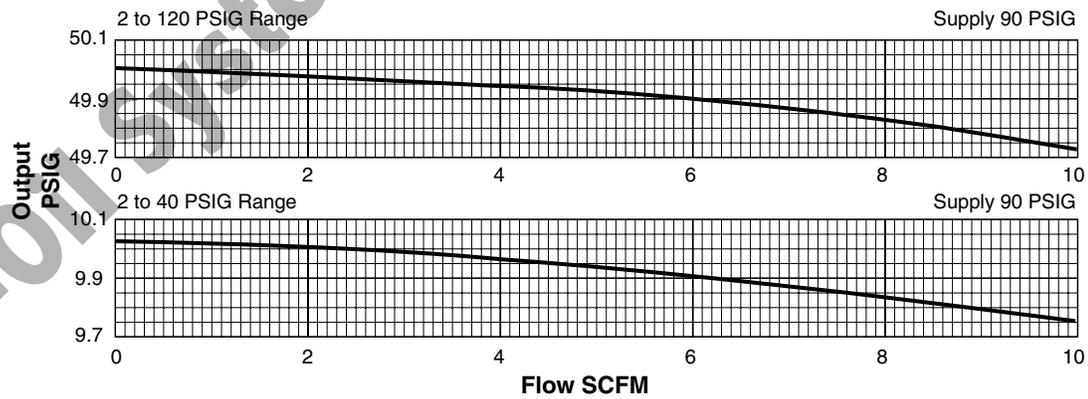
CAUTION:

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.

Applications

The P17 regulators are well suited for any process that requires very precise regulation of air pressure in pipes and vessels. These regulators are often used, but not limited to the following applications:

- Air Gauging
- Gas Mixing
- Calibration Standards
- Air Hoists
- Web Tensioning
- Gate Actuators
- Roll Loading
- Valve Operators
- Cylinder Loading



Ordering Information

Relieving		Reduced Pressure Range (PSIG)		
		2 to 40	2 to 120	2 to 120 High Relief
In / Out Ports	1/4"	P17-02-B00	P17-02-F00	P17-02-FH0

