



# Single Turn Precision Pressure Regulator



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## Product Features

- No Bleed Rate to Atmosphere
- High Precision output pressure control
- Max Flow Capacity of 480 lpm
- Adjusts for Dynamic Flow Rates
- Bubble tight seal when set to zero

## Microcontroller Features

Common precision pressure regulator designs require a bleed flow or gas consumption to atmosphere, sometimes as high as 2.5 lpm, to maintain its accurate pressure regulation. The unique dual-valve-proportional-valve design in the Kelly Pneumatics Precision Pressure Regulator eliminates the need for this wasted gas consumption, and is perfect for gases that cannot be vented to atmosphere. Wasted gas consumption depletes limited pressure supply sources over time, which is completely avoided with our design. Each of our Precision Pressure Regulators undergo a stringent leak test, prior to shipment, to ensure there is zero leakage to atmosphere.

## Specifications

Flow Capacity	480 lpm (at 100 psig supply / 20 psig regulated pressures)
Media	Air and Other Inert Gases
Materials	6061-T6 Aluminum, Acetal, Brass, Delrin, Stainless Steel, Plated Steel, Buna-N, FKM (Viton), Nylon reinforced mesh, phenolic plastic (adjustment knob - no contact with medium)
Output Pressure Range	0-25 psig (1.7 BAR), 0-40 psig (2.7 BAR), 0-60 psig (4 BAR), 0-120 psig (8 BAR), 0-150 psig (10 BAR)
Sensitivity	1/8" water (3.2 mm)
Bleed Rate	None
Total Gas Consumption	None
Maximum Supply Pressure	160 psig
Operating Temperature	-20° to 160°F (-29° to 71°C)
Weight	1.5 lb (635 g)
Port Sizes	1/8" and 1/4" NPT
Mounting Options	Panel or Bracket Mounted
Power Requirements	Includes Power Adapter (supplied via standard U.S. wall outlet)
Wetted Materials	Cold rolled stainless steel w/ electroless nickel plating, brass and 304 stainless steel.

## Dimensions

(All Dimensions in Inches)

