

Provide accurate and fast response to flow demands and line pressure changes when used to regulate compressed air pressures in pneumatic control systems.

- Panel or in-line mounting.
- Two full flow gauge ports. Either can be used as additional regulated output port.
- Nonrising, push-to-lock adjustment knob maintains setpoint.
- Compact design of miniature models ideal for panel mounting to regulate branch air pressures in pneumatic systems.
- Standard models typically used for regulation of main air pressures, day/night setback, or summer/winter changeover.

**REGULATOR TYPE:** Relieving diaphragm.

**FLUID:** Compressed air only.

**MAXIMUM PRESSURE:** 300 psig (2068 kPa).

**OPERATING AMBIENT:** 0°F to 150°F (-20°C to 66°C), with air sufficiently dry to avoid ice formation below 35°F (2°C).

**MOUNTING:** In-line or panel. Surface mounting brackets available. Not position sensitive.



**MATERIALS:**

Miniature: Zinc body; acetal bonnet; brass valve; nitrile elastomers.

Standard: Aluminum body & bonnet; brass valve; nitrile elastomers.

**ACCESSORIES:**

Miniature: AX-01 plastic panel mounting nut.

AX-03 wall mounting bracket with nut.

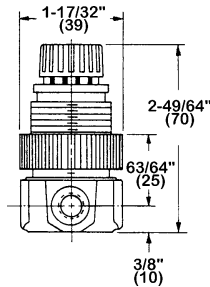
GP series pressure gauges (1/8" MPT).

Standard: AX-02 plastic panel mounting nut.

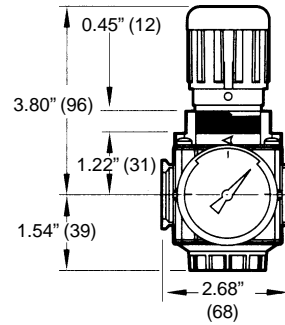
AX-05 wall mounting bracket with nut.

GP series pressure gauges (1/4" MPT).

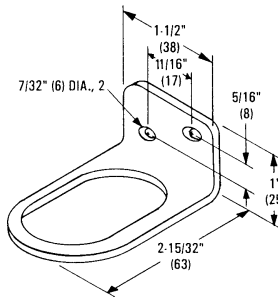
**DIMENSIONS IN INCHES (MM)**



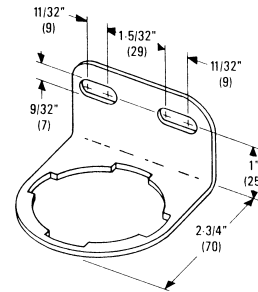
**AR-10, 20  
MINIATURE REGULATORS**  
Panel Mounting Hole Diameter: 1.19" (30)  
Maximum Panel Thickness: 0.25" (6)



**AR-210, 215, 310, 315  
STANDARD REGULATORS**  
Panel Mounting Hole Diameter: 1.89" (48)  
Maximum Panel Thickness: 0.06" to 0.25" (2 to 6)



**AX-03 WALL BRACKET**  
(Includes Nut for Mounting  
Miniature Regulator to Bracket)



**AX-05 WALL BRACKET**  
(Includes Nut for Mounting  
Standard Regulator to Bracket)

Model	Regulator Type	Main Port Connections	Outlet Pressure Setpoint Range <sup>a</sup>	Rated Flow <sup>b</sup>	Gauge Ports
AR-10	miniature regulator	1/8" FPT	5 to 50 psig (34 to 345 kPa)	16 scfm (453 l/s) 20 scfm (566 l/s)	1/8" FPT (two)
AR-20		1/4" FPT			
AR-215	standard regulator	1/4" FPT	5 to 60 psig (34 to 414 kPa)	80 scfm (2264 l/s)	1/4" FPT (two)
AR-315		3/8" FPT			
AR-210		1/4" FPT	5 to 150 psig (34 to 1034 kPa)		
AR-310		3/8" FPT			

<sup>a</sup> Outlet pressure can be adjusted to 0 psig; however, regulator should not be used to control outlet pressures which are less than the minimum setpoint shown.

<sup>b</sup> Approximate flow at 100 psig (689 kPa) inlet pressure and 25 psig (172 kPa) outlet pressure.