

MINIATURE PRESSURE REGULATORS

EASY TO ADJUST

AR90 Series

All Models
\$40

- ✓ Designed for Applications with Limited Space and for Low-Flow or Dead-End Service
- ✓ Small Package Size and Lightweight Construction
- ✓ Corrosion-Resistant Anodized Aluminum Exterior
- ✓ Excellent Stability and Repeatability
- ✓ Self Relieving
- ✓ Low Cost

SPECIFICATIONS

Effect of Supply Pressure Variation (25 psig) on Outlet Pressure:

<0.25 psig (17.02 mbar)

Exhaust Capacity (5 psig Above 20 psig Setpoint): 0.1 to 0.3 SCFM (2.8 to 8.5 LPM) typical

Maximum Supply Pressure: 250 psig (17.2 bar)

Flow Capacity at 100 psig (6.9 bar) Supply and 20 psig (1.4 bar) Outlet: 2.5 SCFM (71 LPM)

Total Air Consumption @ Maximum Output: 3 SCFH (84.6 LPM)

Port Size: 1/16"-27 NPT or 5 mm metric thread

Materials of Construction:

Body: Anodized aluminum

Adjusting Screw: Plated steel

Trim: Brass, acetal

Diaphragm: Fluorocarbon with polyester fabric

Knob: Acetal resin

Spring: Music wire

Dimensions: 22.2 x 22.2 x 84.6 mm (0.875 x 0.875 x 3.33")

Weight: 2.2 oz (0.06 kg)

Mounting Options: Pipe or panel



The AR91 and AR92 Series miniature pressure regulators are compact, low-cost units that operate in pressure ranges up to 100 psi, with a maximum supply pressure of 250 psi.

They provide dependable reliability and accuracy for low-flow and dead-end applications, but are not designed for critical flow applications. Each unit has a corrosion-resistant anodized aluminum body with a standard fluorocarbon diaphragm.

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

MODEL NO.	PRICE	ADJUSTABLE RANGE	MAXIMUM INPUT PRESSURE
1/16" 27 NPT Thread Models			
AR91-005	\$40	0 to 5 psig (0 to 0.35 bar)	250 psig (17.2 bar)
AR91-015	40	0 to 15 psig (0 to 1.0 bar)	250 psig (17.2 bar)
AR91-030	40	0 to 30 psig (0 to 2.1 bar)	250 psig (17.2 bar)
AR91-060	40	0 to 60 psig (0 to 4.1 bar)	250 psig (17.2 bar)
AR91-100	40	0 to 100 psig (0 to 7 bar)	250 psig (17.2 bar)
5 mm (Metric Thread Models)			
AR92-005	\$40	0 to 5 psig (0 to 0.35 bar)	250 psig (17.2 bar)
AR92-015	40	0 to 15 psig (0 to 1.0 bar)	250 psig (17.2 bar)
AR92-030	40	0 to 30 psig (0 to 2.1 bar)	250 psig (17.2 bar)
AR92-060	40	0 to 60 psig (0 to 4.1 bar)	250 psig (17.2 bar)
AR92-100	40	0 to 100 psig (0 to 7 bar)	250 psig (17.2 bar)

Comes complete with operator's manual.

Ordering Example: AR91-015, miniature pressure regulator, 0 to 15 psig 1/16"-27 NPT pressure connections, \$40.



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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters