



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

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
GE-2383	\$30	Reference Book: Engineering Formulas



books1.com
omega.com

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.

ALL MODELS AVAILABLE FOR FAST DELIVERY!

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 with complete 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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