

# MINIATURE PRESSURE REGULATORS

## EASY TO ADJUST

### AR90 Series

- ✓ 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



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.

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.

#### To Order

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