

# Pressure Regulators

## For Compressed Air, Carbon Dioxide and Inert Gases

### R44 Series



R44-221-RNEA,  
shown actual size.

- ✓ Compact Design
- ✓ High/Low Pressure Models for Primary/Secondary Regulation
- ✓ Plastic Locking Knob for Fast and Easy Adjustment
- ✓ Regulate Output Pressure From 0.1 to 12 bar (1 to 175 psig)
- ✓ Standard Relieving Models Allow Reduction of Outlet Pressure When System is Dead-Ended
- ✓ Panel or Bracket Mount

The R44 Series are industrial pressure regulators for use with compressed air and inert gases such as carbon dioxide, argon helium, krypton, neon nitrogen and xenon. The R83 models are for primary high pressure regulation, while the R44 models are for secondary low pressure regulation. These regulators are intended for industrial use and are not to be used for beverage dispensing applications.

### SPECIFICATIONS

#### R44 MODELS

**Operating Temperature:** -34 to 66°C (-30 to 150°F)

**Maximum Inlet Pressure:** 17 bar (250 psig)

#### Materials R44:

**R44-221:** Brass body; acetal plastic bonnet

**R44-233:** Brass body, brass bonnet

**Valve:** Brass/nitrile

**Seat:** Acetal

**Elastomers:** Nitrile

#### R83 MODELS

**Operating Temperature:** -34 to 60°C (-30 to 140°F)

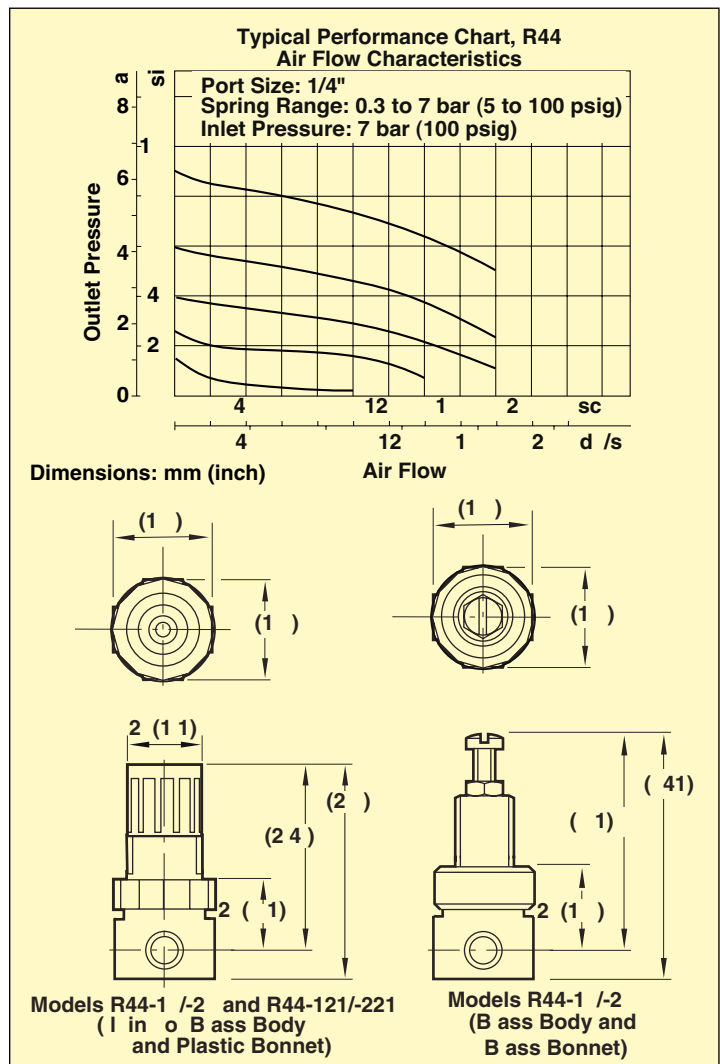
**Maximum Inlet Pressure:** 207 bar (3000 psig)

**Materials R88:** Brass body, zinc bonnet

**Cartridge Valve:** PTFE, brass, stainless steel

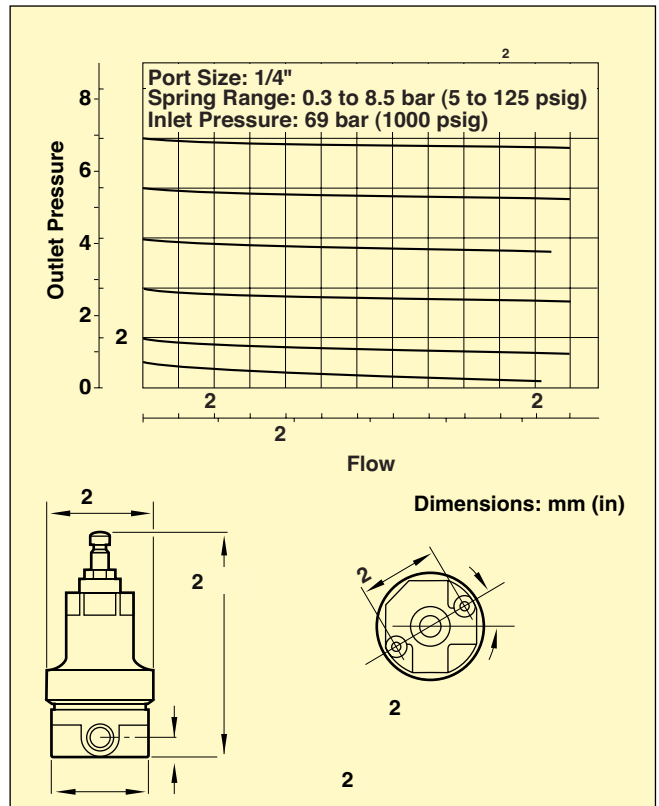
**Diaphragm:** Acetal/nitrile

**Seals:** Nitrile





R83-200-RNLA, shown smaller than actual size.



To Order			
MODEL NO.	INLET/OUT PORT (in)	GAUGE PORT PORT (in)	DESCRIPTION
R44-221-RNAA	1/4	1/8	Low pressure regulator with plastic locking knob, 0.1 to 0.7 bar (1 to 10 psig)
R44-221-RNEA	1/4	1/8	Low pressure regulator with plastic locking knob, 0.3 to 3.5 bar (5 to 50 psig)
R44-221-RNKA	1/4	1/8	Low pressure regulator with plastic locking knob, 0.3 to 7 bar (5 to 100 psig)
R44-233-RNAA	1/4	1/8	Low pressure regulator brass adjusting screw, 0.1 to 0.7 bar (1 to 10 psig)
R44-233-RNEA	1/4	1/8	Low pressure regulator brass adjusting screw, 0.3 to 3.5 bar (5 to 50 psig)
R44-233-RNKA	1/4	1/8	Low pressure regulator brass adjusting screw, 0.3 to 7 bar (5 to 100 psig)
R83-200-RNEA	1/4	1/4	High pressure regulator, 0.1 to 3.5 bar (2 to 50 psig)
R83-200-RNLA	1/4	1/4	High pressure regulator, 0.3 to 8.5 bar (5 to 125 psig)
R83-200-RNNA	1/4	1/4	High pressure regulator, 0.7 to 12 bar (10 to 175 psig)

## ACCESSORIES

MODEL NO.	DESCRIPTION
OM-AIR-18-025-003	Wall bracket for R44 low pressure regulators
OM-AIR-2962-04	Panel nut for R44 low regulators
OM-AIR-5095-51	Neck bracket for R83 high pressure regulators
OM-AIR-18-013-214	40 mm (1.5") pressure gauge with 1/8 NPT, 0 to 2 bar (0 to 30 psig)
OM-AIR-18-013-211	40 mm (1.5") pressure gauge with 1/8 NPT, 0 to 4 bar (0 to 60 psig)
OM-AIR-18-013-212	40 mm (1.5") pressure gauge with 1/8 NPT, 0 to 7 bar (0 to 100 psig)
OM-AIR-18-013-208	50 mm (2") pressure gauge with 1/4 NPT, 0 to 4 bar (0 to 60 psig)
OM-AIR-18-013-209	50 mm (2") pressure gauge with 1/4 NPT, 0 to 11 bar (0 to 160 psig)

**Ordering Examples:** R44-221-RNEA, low pressure regulator for inert gasses with plastic locking knob for pressure range of 0.3 to 3.5 bar (5 to 50 psig), OM-AIR-18-013-211, pressure gauge 0 to 4 bar (0 to 60 psig), and OM-AIR-18-025-003, wall bracket for R44 regulator, \$40 + 14 + 7 = \$61. R83-200-RNNA, high pressure regulator for inert gasses with pressure range 0.7 to 12 bar (10 to 175 psig), and OM-AIR-18-013-209, pressure gauge for 0 to 11 bar (0 to 160 psig), R44-233-RNAA, low pressure regulator with brass adjusting screw for pressure range of 0.1 to 0.7 bar (1 to 10 psig), and OM-AIR-18-013-214, pressure gauge for 0 to 2 bar (0 to 30 psig), \$65 + 45 + 14 = \$124.