

## 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.

# REGULATORS

## STANDARD HAND-WHEEL ADJUSTMENT

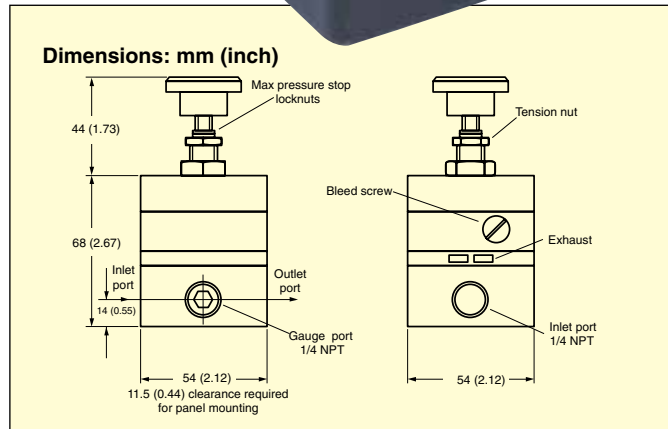
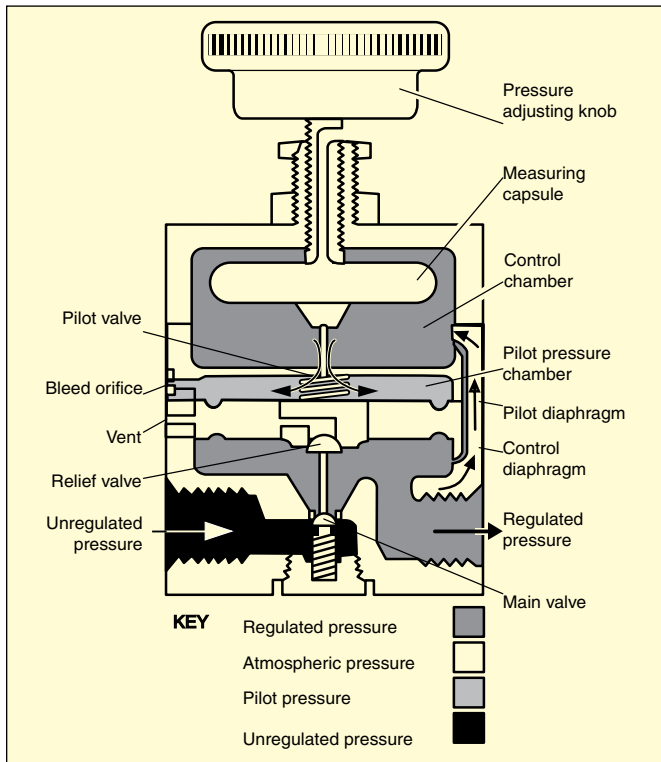
**PRG101 Series Base Units**  
**PRG501 Series Base Units with 4" Dia Gauge**

### PRG501 Series



- ✓ Two ¼ NPT Gauge Ports Standard
- ✓ High-Accuracy Regulation
- ✓ High-Relief Capability
- ✓ Unaffected by Vibration
- ✓ Unaffected by Mounting Position
- ✓ Setpoint Locknut Provided

PRG101 pressure regulator, shown slightly smaller than actual size.



### OPERATION

The PRG101 and PRG501 regulators employ piston control to achieve their high-gain pneumatic 2-stage servo system. To increase the regulated pressure, the hand wheel is turned clockwise, forcing the measuring capsule/piston assembly downward.

This pushes the pilot diaphragm and control diaphragm downward. As a result, the main valve opens and the supply pressure enters the regulator. The resulting pressure change causes the measuring capsule to compress. This compression causes the pilot diaphragm and control diaphragm to move upward, which then shuts the main valve. To decrease the regulated pressure, the hand-wheel is turned counterclockwise, forcing the measuring capsule/piston assembly upward. This allows the pilot diaphragm and control diaphragm to move upward. As a result, the relief valve opens and air is exhausted through the vent. The resulting pressure drop causes the measuring capsule to expand. This expansion causes the pilot diaphragm and control diaphragm to move down, which then shuts the relief valve.

The PRG101 and PRG501 Series pressure regulators have an advanced design consisting of a precision measurement capsule and a high-gain servo amplifier to achieve high performance. The regulator can be used in a "dead end" application and will exhaust whenever the setpoint is lowered. Changes in supply pressure have a minimal effect on regulation accuracy. The regulator can be panel or pipe mounted. The PRG101 has 2 gauge ports available for mounting OMEGA pressure gauges for local indication. The PRG501 is ideal for dial gauge readings when the unit is panel mounted. The dial gauge is outside the panel.

# PRG101 SERIES HAND-WHEEL ADJUSTMENT

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## FRUGUI SERIES 4 DIAMETER DIAL GAUGE WITH HAND-WHEEL ADJUSTMENT

### PRG501 Series



Maintaining a state of equilibrium, the action of the measuring capsule described on the preceding page ensures precise, constant pressure regulation. Air is bled at a constant rate through the bleed orifice so that a very small movement of the pilot valve induces a substantial pilot pressure change, which creates a high servo amplification.

#### SPECIFICATIONS

**Maximum Supply (Input) Pressure:** 150 psi (1000 kPa)

**Minimum Supply (Input) Pressure:** 3 psi above desired output pressure

**Minimum Regulated Pressure:** 2 psi

**Media:** Dry gases only (oil free), filtered to better than 25 microns

**Flow Capacity:** 10 SCFM max

**Consumption @ Midrange:**

0.01 SCFM (PRG101-25, PRG501-15, PRG501-30)

0.02 SCFM (PRG101-60, PRG501-60)

0.04 SCFM (PRG101-120, PRG501-120)

PRG501-120 dial gauge, shown smaller than actual size.



**Regulation Accuracy (15 psi Supply Pressure Change at Midrange):**

0.1% (PRG101-25, PRG501-15, PRG501-30)

0.05% (PRG101-60, PRG501-60)

0.02% (PRG101-120, PRG501-120)

**Sensitivity:** 0.005 psi

**Hysteresis and Repeatability:** 0.05% of setting

**Operating Temperature:** -20 to 70°C (0 to 160°F)

**PRG501 Dial Gauge:** Dual scale, psi and bar

**Response Time to 50% Load Change:** 0.2 seconds

**Housing Material:** IP65 sealed, zinc diecasting, epoxy painted

**Diaphragm Material:** Nitrile-reinforced elastomers

**Capsule Material:** Beryllium-copper

**Mounting:** Any attitude; integral mounting nut supplied

**Pressure Gauge (PRG501):** Phosphor bronze Bourdon tube

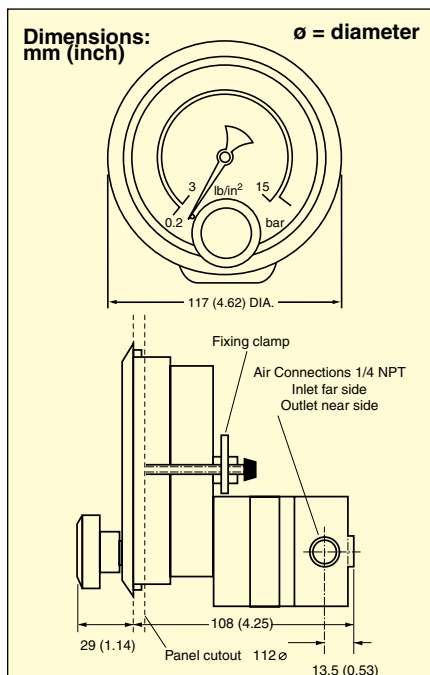
**Process Connection:** ¼ FNPT (pneumatic only)

**Number of Turns in Control Range:** 2½ hand-wheel turns

**Weight:**

**PRG101:** 0.75 kg (1.60 lb)

**PRG501:** 1.15 kg (2.50 lb)



#### To Order

MODEL NO.	ADJUSTABLE REGULATION RANGE	MAX INPUT PRESSURE
<b>Hand-Wheel Adjustment Models</b>		
PRG101-25	2 to 25 psig	150 psig
PRG101-60	2 to 60 psig	150 psig
PRG101-120	2 to 120 psig	150 psig
<b>Hand-Wheel Adjustment Models with 4" Dia. Dial Gauge (Dual Scale psi and bar)</b>		
*PRG501-X15	3 to 15 psig	150 psig
*PRG501-30	2 to 30 psig	150 psig
*PRG501-60	2 to 60 psig	150 psig
*PRG501-120	2 to 120 psig	150 psig

#### OPTION

MODEL NO.	DESCRIPTION
PRG101-BKT	Mounting bracket for PRG101 (included with PRG501)

\* PRG501, while supplies last.

Comes complete with operator's manual.

**Ordering Examples:** PRG501-X15, pressure regulator with 4" dial gauge, dual scale psi and bar, 3 to 15 psig adjustable regulation range, 150 psi max input pressure.

PRG501-30, pressure regulator with 4" dial gauge, dual scale psi and bar, 2 to 30 psig adjustable regulation range. 150 psi max input pressure.

VALVES AND REGULATORS

# DECISION AID

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# PRESSURE REGULATOR

## FOR ACCURATE, STABLE PRESSURE CONTROL

14 scfm at 100 psi

### PRG200 Series



- ✓ Accurate Pressure Regulation to Within 0.1%
- ✓ Stable Output Across Full Flow Range
- ✓ High Relief Capacity
- ✓ Locking Nut Included
- ✓ Built In Gauge Ports

The PRG200 Series is a high precision multi-stage regulator, which provides the highest level of regulation accuracy and repeatability available. A stainless steel measuring capsule is used as a sensing element to activate the high gain servo balanced control mechanism in which the main valve is controlled by a pilot valve. This allows for greater accuracy and eliminates many of the problems associated with conventional regulators using range springs and diaphragms.

### SPECIFICATIONS

**Flow Capacity:** 14 scfm at 100 psig supply – 20 psig outlet

**Exhaust Capacity:** 3 scfm (5 psig above 20 psig set point); 11 scfm for PRG200-120H

**Sensitivity:** 1/8" (3.2 mm) H<sub>2</sub>O

**Pilot Pressure Chamber Bleed Rate:** < 0.08 scfm (0.15 m<sup>3</sup>/hr)

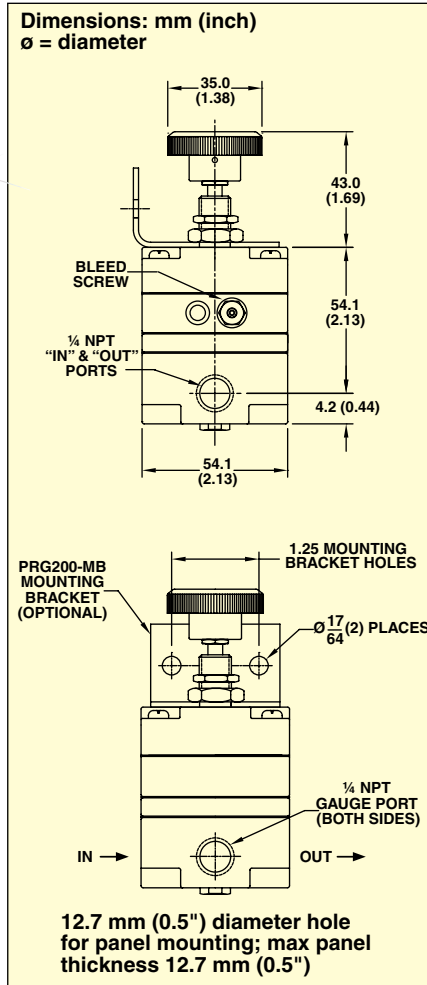
**Total Air Consumption:** 6 scfh

**Supply Pressure Effect:** < 0.005 psig (for 25 psig supply change)

**Supply Pressure, Maximum:** 150 psig (50 psig for PRG200-25)



PRG200-40, shown actual size.



### Materials:

**Body:** Diecast zinc alloy

**Capsule and Adjusting Screw:** stainless steel

**Assemblies:** Stainless steel, brass, plated steel, acetal

**Diaphragms:** Buna-N elastomer and polyester fabric

**Knob:** Phenolic plastic

**Weight:** 635 g (1.4 lb)

**Port Size:** 1/4 NPT

**Gauge Ports (2):** 1/4 NPT

**Mounting:** Pipe, panel or optional bracket

### To Order

MODEL NO.	OUTPUT PRESSURE RANGE	
	psi	bar
PRG200-25	0.5 to 25	0.03 to 1.72
PRG200-40	2 to 40	0.14 to 2.76
PRG200-60	2 to 60	0.14 to 4.14
PRG200-120	2 to 120	0.14 to 8.27
<b>HIGH RELIEF MODEL</b>		
PRG200-120H	2 to 120	0.14 to 8.27

### ACCESSORY

MODEL NO.	DESCRIPTION
PRG200-MB	Mounting bracket

Comes complete with operator's manual.

**Ordering Example:** PRG200-60, precision air pressure regulator, 2 to 60 psi (0.14 to 4.14 bar).

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VALVES AND REGULATORS

# STAINLESS STEEL

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## FILTER REGULATORS FOR HARSH ENVIRONMENTS

**PRG354A up to 20 scfm**  
**PRG352A up to 160 scfm**

### PRG350A Series



- ✓ All 316 Stainless Steel Construction
- ✓ High Flow Capacity
- ✓ Tapped Exhaust Port for Remote Venting
- ✓ Minimal Air Consumption
- ✓ 25 Micron Filter

The PRG350A series of stainless steel filter regulators are designed to stand up to the harshest environments while providing highly accurate pressure regulation. Proven 316 stainless steel housing and filter assemblies along with fluorocarbon elastomers make the PRG350A compatible with sour gas and adaptable to off shore environments.

### SPECIFICATIONS

**Exhaust Capacity:** 1.0 scfm (1.7 m<sup>3</sup>/hr)  
(outlet pressure 10 psig above set point)

**Air Consumption:** 4 scfh  
(0.1 m<sup>3</sup>/hr) max

**Maximum Supply Pressure:** 425 psig  
(29.3 bar)

**Operating Temperatures:** -20 to 80°C  
(-4 to 176°F)

**Filter:** 25 micron

#### Porting:

**Inlet/Outlet:** 1/4" NPT or 1/2" NPT

**Gauge:** 1/4" NPT

**Exhaust:** 1/4" NPT

**Materials:** Meets NACE #MR-0175 material requirement for sulfide stress cracking

**Body, Bonnet, Filter:** AISI 316 stainless steel

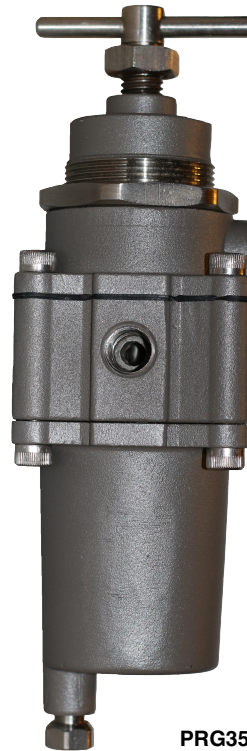
**Diaphragm Seals:** Fluorocarbon

**Range Spring, Pintle Spring:** Inconel

#### Weight:

**PRG352A:** 1.3 kg (2.9 lb)

**PRG354A:** 1.0 kg (2.2 lb)



PRG354A shown smaller than actual size.

### To Order

MODEL NO.	OUTPUT PRESSURE RANGE	
	psi	bar
<b>1/4" NPT PRESSURE PORTS</b>		
PRG354A-30	0 to 30	0 to 2.1
PRG354A-60	0 to 60	0 to 4.1
PRG354A-100	0 to 100	0 to 6.9
PRG354A-150	0 to 150	0 to 10.3
<b>1/2" NPT PRESSURE PORTS</b>		
PRG352A-30	0 to 30	0 to 2.1
PRG352A-60	0 to 60	0 to 4.1
PRG352A-100	0 to 100	0 to 6.9
PRG352A-150	0 to 150	0 to 10.3

### ACCESSORIES

MODELNO.	DESCRIPTION
PRG350A-MN	Mountingnut
PRG350A-MB	Mounting bracket and nut

Comes complete with operator's manual.

**Ordering Example:** PRG354A-30, stainless steel pressure regulator with 0 to 30 psi range and 1/4" NPT ports

# NO DECISION REQUIRED

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## FOR HIGH FLOW APPLICATIONS

Up to 80 scfm

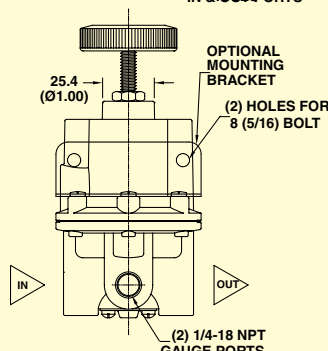
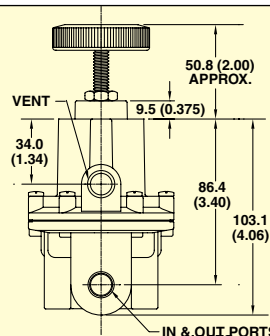
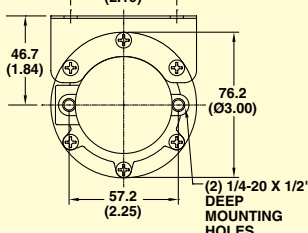
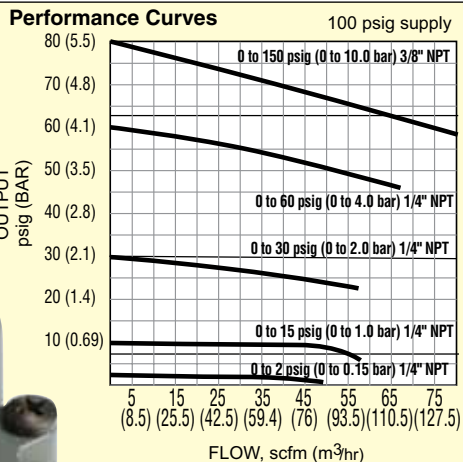
### PRG700 Series



PRG700-2, shown actual size.

- ✓ High Flow Capacity— Up to 80 scfm
- ✓ Output Pressure Insensitive to Flow Changes
- ✓ Can be Serviced Without Removing From Air Line
- ✓ Insensitive to Changes in Flow

The OMEGA PRG700 Series regulators are designed for applications that require high flow capacity and accurate process control. A poppet valve balanced by a rolling diaphragm insures a constant output pressure even during wide supply pressure variations. Stability of regulated pressure is maintained under varying flow conditions through the use of an aspirator tube, which adjusts the air supply in accordance with the flow velocity.



### SPECIFICATIONS

**Flow Capacity:** See performance curves

**Exhaust Capacity:** 4 scfm [outlet pressure 5 psi > set pressure]

**Sensitivity:** 1/8" (3.2 mm) H<sub>2</sub>O

**Supply Pressure Effect:** < 0.1 psi for 100 psi change

**Air Consumption (Steady State):** From 1.0 to 12.5 scfh

**Supply Pressure:** 250 psig (17.5 bar) maximum

**Operating Temperature:** -40 to 71°C (-40 to 160°F)

**Weight:** 0.74 kg (1.625 lb)

**Mounting:** Pipe, panel, or optional bracket

**Port Sizes:** 1/4 NPT female

### To Order

MODEL NO.	OUTPUT PRESSURE RANGE	
	psi	bar
PRG700-2	0 to 2	0 to 0.15
PRG700-15	0 to 15	0 to 1.0
PRG700-30	0 to 30	0 to 2.0
PRG700-60	0 to 60	0 to 4.0
PRG700-150	0 to 150	0 to 10

### ACCESSORY

MODEL NO.	DESCRIPTION
PRG700-MB	Mounting bracket

Comes complete with operator's manual.

**Ordering Example:** PRG700-30, high flow regulator with 0 to 30 psi range and 1/4 NPT fittings.

# MINIATURE PRECISION AIR PRESSURE REGULATOR

## PRG98A Series



- ✓ High Resolution Adjustment of Set Pressure
- ✓ Highly Accurate Air Pressure Regulation in a Small Package
- ✓ Three Pressure Ranges Available
- ✓ Compact and Lightweight

OMEGA's PRG98A miniature air pressure regulator provides the highest level of regulation accuracy and repeatability available in a compact lightweight housing. It is ideal for applications that require precise pressure control and substantial flow capacity under variable operating conditions and limited space.

### SPECIFICATIONS

**Maximum Supply Pressure:** 10 bar (150 psi)

**Supply Pressure Effect:** 0.5 psi for 100 psi change

**Flow Capacity:** 10 SCFM @ 100 psi inlet

**Exhaust Capacity:** 7 SCFM

**Sensitivity:** 0.25 inH<sub>2</sub>O

**Repeatability:** 0.3% of span

**Air Consumption:** 6 SCFH maximum at 150 psi supply

**Temperature Limits:** -18 to 71°C (0 to 160°F)

**Port Sizes (In/Out/Gauge):** 1/16 - 27 NPT

**Mounting:** Pipe, panel, through body or optional bracket

**Dimensions:** 35.1 W x 35.1 D x 98.5 mm H (1.38 x 1.38 x 3.88")

**Weight:** 0.16 kg (0.35 lbs)

#### Materials:

**Body:** Diecast aluminum alloy, chromate and epoxy paint

**Elastomers:** Nitrile

**Trim:** Zinc plated steel

**Additional Materials:** Brass, aluminum, stainless steel, zinc plated steel



PRG98-30 shown actual size.



### Add a Gauge to Your System!

PGU-15B-160PSI/11BAR, with back-mount fitting, shown actual size.

Visit [omega.com/pgu\\_series](http://omega.com/pgu_series) for PGU-15B series for compatible pressure gauges.

### To Order

MODEL NO.	OUTPUT PRESSURE RANGE	
	psi	bar
PRG98A-30	0 to 30	0 to 2.1
PRG98A-60	0 to 60	0 to 4.1
PRG98A-120	0 to 120	0 to 6.9

Comes complete with operator's manual.

**Ordering Example:** PRG98-60, miniature pressure regulator with 1.4 to 60 psi adjustable range.

# MINIATURE PRECISION AIR PRESSURE REGULATOR

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## PRG98A Series



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- ✓ Highly Accurate Air Pressure Regulation in a Small Package
- ✓ Three Pressure Ranges Available
- ✓ Compact and Lightweight

OMEGA's PRG98A miniature air pressure regulator provides the highest level of regulation accuracy and repeatability available in a compact lightweight housing. It is ideal for applications that require precise pressure control and substantial flow capacity under variable operating conditions and limited space.

### SPECIFICATIONS

**Maximum Supply Pressure:** 10 bar (150 psi)

**Supply Pressure Effect:** 0.5 psi for 100 psi change

**Flow Capacity:** 10 SCFM @ 100 psi inlet

**Exhaust Capacity:** 7 SCFM

**Sensitivity:** 0.25 inH<sub>2</sub>O

**Repeatability:** 0.3% of span

**Air Consumption:** 6 SCFH maximum at 150 psi supply

**Temperature Limits:** -18 to 71°C (0 to 160°F)

**Port Sizes (In/Out/Gauge):** 1/16 - 27 NPT

**Mounting:** Pipe, panel, through body or optional bracket

**Dimensions:** 35.1 W x 35.1 D x 98.5 mm H (1.38 x 1.38 x 3.88")

**Weight:** 0.16 kg (0.35 lbs)

#### Materials:

**Body:** Diecast aluminum alloy, chromate and epoxy paint


**Elastomers:** Nitrile

**Trim:** Zinc plated steel

**Additional Materials:** Brass, aluminum, stainless steel, zinc plated steel



PRG98A-30 shown actual size.



**Add a Gauge to Your System!**  
PGU-15B-160PSI/11BAR, with back-mount fitting, shown actual size.  
Visit [omega.com/pgu\\_series](http://omega.com/pgu_series) for PGU-15B series for compatible pressure gauges.

To Order		
MODEL NO.	OUTPUT PRESSURE RANGE	
	psi	bar
PRG98A-30	0 to 30	0 to 2.1
PRG98A-60	0 to 60	0 to 4.1
PRG98A-120	0 to 120	0 to 6.9

Comes complete with operator's manual.

**Ordering Example:** PRG98A-60, miniature pressure regulator with 0 to 60 psi adjustable range.



# Pressure Regulators

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## 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)

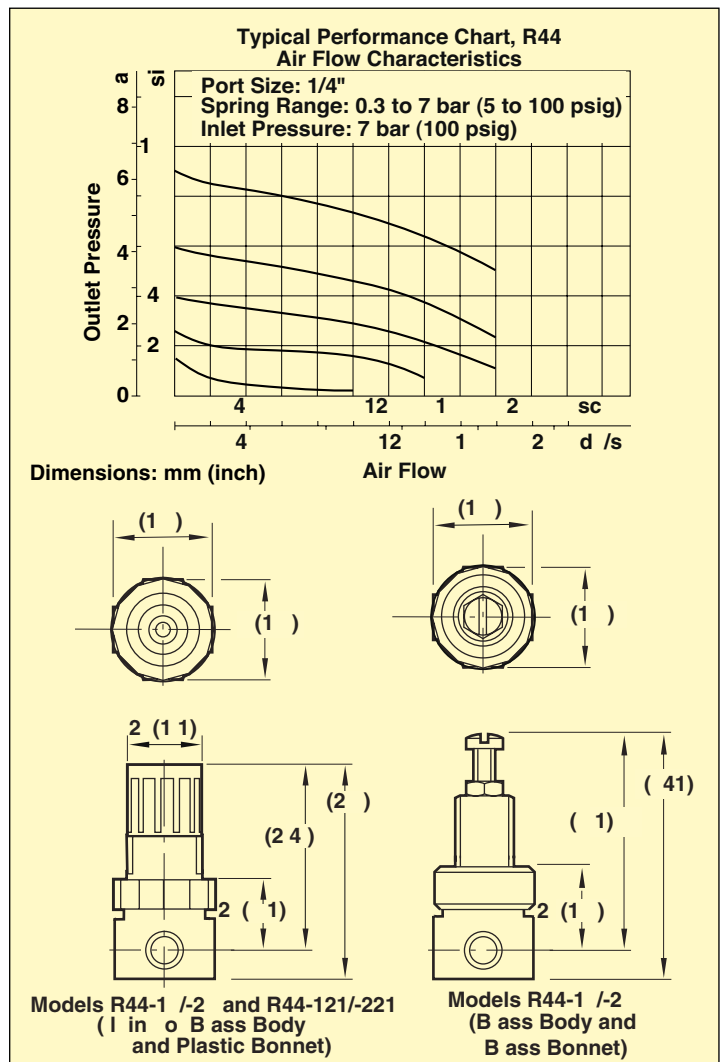
**Maximum Inlet Pressure:** 207 bar (3000 psig)

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

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

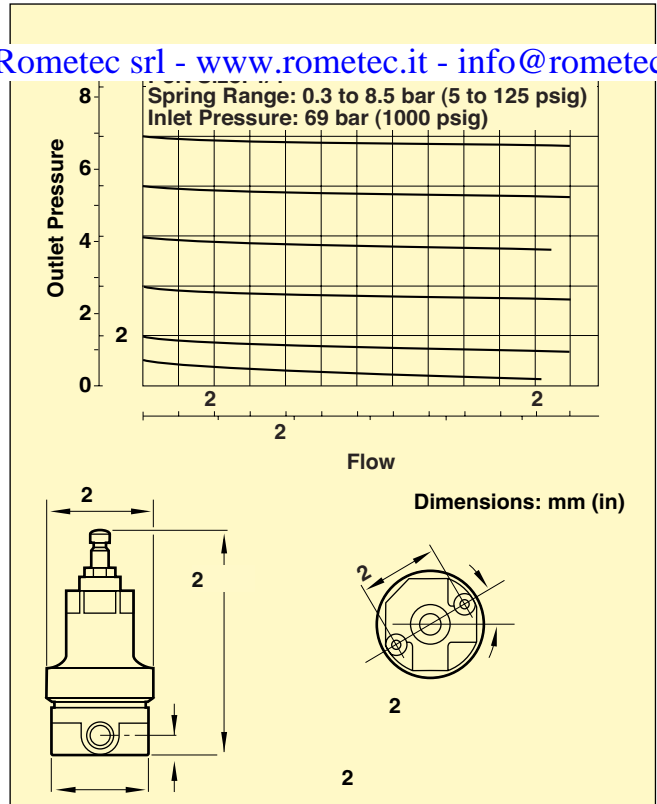
**Diaphragm:** Acetal/nitrile

**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.