



Model 3470 Series

Economy General Purpose Line Regulator



Description

Economical line regulators for general purpose applications.

Applications

- Point-of-use pressure regulation of inert gases.

Design Features/Components

- General purpose brass body
- General purpose neoprene diaphragm
- 2" delivery pressure gauge
- Rear inlet with bottom outlet for easy installation
- Equipped with an outlet needle valve
- Porous metal filter protects seat from contamination
- 1/4" NPTM fitting on outlet

Materials Of Construction

Gauge:	Chrome plated brass
Body:	Die-cast zinc
Bonnet:	Chrome plated die-cast zinc
Diaphragm:	Neoprene
Seat:	Neoprene
Seals:	Neoprene

Specifications

Maximum Inlet Pressure:	350 psig (2,415 kPa)
Maximum Flow Rate:	Model 3471: 280 SCFH (132 SLPM)
(At 300 psig, N ₂)	Model 3473: 750 SCFH (354 SLPM)
	Model 3476: 1600 SCFH (755 SLPM)
	Model 3478: 2300 SCFH (1085 SLPM)
Flow Capacity (Cv):	0.53
Operating Temperature:	-20°F to 140°F (-29°C to 60°C)
Porting:	1/4" NPT Female
Porting Configuration:	1 High, 2 Low
Shipping Weight:	7 lbs

Ordering Information

Model Number	Delivery Pressure Range	Delivery Pressure Gauge
3471	2-15 psig	0-30 psig
3473	4-50 psig	0-60 psig
3476*	4-125 psig	0-200 psig
3478*	20-200 psig	0-400 psig

*Supplied with T-Bar instead of black knob handle.

Note: The Model 3470 Series cannot be supplied with CGA connections.

Model 3491

Economy Vacuum Line Regulator



Description

Economical line regulator for vacuum applications.

Applications

- Point-of-use regulation of non-corrosive gases (1.8 psig – 1 mm Hg absolute)
- Atmospheric chamber studies
- Biological research
- Environmental atmosphere studies

Design Features/Components

- Economical brass body
- Butyl rubber diaphragm
- 2" delivery pressure gauge
- 1/4" NPTM inlet and outlet connections
- Porous metal filter protects seat from contamination
- Hose connections supplied as standard

Materials of Construction

Gauge:	Chrome plated brass
Body:	Brass
Diaphragm:	Butyl rubber
Seat:	Viton

Specifications

Maximum Inlet Pressure:	120 psig*
Operating Temperature:	-20°F to 140°F (-30°C to 60°C)
Flow Capacity (Cv):	0.64
Shipping Weight:	5 lbs

*Recommended minimum inlet pressure 20 psig to attain full delivery pressure range. Optimum inlet pressure 50 psig.

Note: Hose connection for outlet supplied as standard.

Ordering Information

Model Number	Delivery Pressure Range	Delivery Pressure Gauge
3491	1.8 psig to 1 mm Hg abs.	760 mm Hg vac/0-5 psig

Options

Model Number	Description
6005-3232	2 ft. Hose Assembly - to connect the inlet of the Model 3491 regulator to the outlet of a high pressure regulator (such as a Model 1L) when supply gas pressure exceeds 120 psig (828 kPa). Maximum pressure: 250 psig