



Model 3700 Series Low Pressure Line Regulator



Description

A general purpose line regulator designed for low inlet pressure and low delivery pressure applications with non-corrosive gases.

Applications

- Control of constant fuel burner flame.
- Inert gas blanketing at low pressures.

Design Features/Components

- Zinc body
- Rubber diaphragm
- 2-1/2" delivery pressure gauge
- Porous metal filter protects seat from contamination
- 1/4" NPTM inlet/outlet connection with loose hose barb
- Pressure adjusting screw protected by "security cap"

Materials of Construction

Gauges:	Chrome plated brass
Body:	Cast zinc
Bonnet:	Die cast zinc
Diaphragm:	Natural rubber
Seat:	Natural rubber
Seals:	Natural rubber

Specifications

Maximum Inlet Pressure:	250 psig (1,725 kPa)
Maximum Flow Rate:	Model 3701A: Less than 35 SLPM Model 3702: 260 SCFH (123 SLPM) Model 3703: 350 SCFH (165 SLPM)
(At 200 psig, N ₂)	
Flow Capacity (Cv):	0.8
Operating Temperature:	-40°F to 150°F (-40°C to 65°C)
Porting (Regulator Body):	1/4" NPT Female
Porting Configuration:	1 High, 1 Low
Shipping Weight:	7 lbs

Ordering Information

Model Number**	Delivery Pressure Range	Delivery Pressure Gauge
3701A	2-25" water column	0-35" water column
3702	0.5-5.0 psig	0-10 psig*
3703	5-10 psig	0-10 psig*

*Compressed resolution between 10-30 psig

** The Model 3700 Series cannot be supplied with CGA connections.

Model 3701A has a built in relief valve; relieves at 16" to 39" water column above set pressure.

Model 3702 has a built in relief valve; relieves at 7 to 9 psig.

Models 3702 and 3703 do not shut-off when adjusting screw is completely turned out.

Options

Model Number	Description
6005-3232	Hose Assembly to connect inlet of Model 3700 Series to outlet of other regulators. Maximum pressure: 250 psig