

GENERAL PURPOSE LOW DELIVERY PRESSURE REGULATORS

Series 3700

DESCRIPTION

These regulators were designed to meet the needs of applications requiring reliable low-pressure control of non-high purity gases. They are available in single and two stage versions to meet most non-corrosive gas applications. The low pressure stage has a large sensitive neoprene diaphragm to provide delivery pressures as low as 2" of water.



Single Stage Line Regulators for Non-Corrosive Gases

MATERIALS OF CONSTRUCTION

Body & Bonnet: Zinc
Seat: Nitrile
Diaphragm: Natural rubber
Internal parts: Steel, brass, zinc

FEATURES

- Extremely low delivery pressures.
- Large sensitive diaphragm for reliable pressure control.
- Maximum inlet pressure 250 psig.
- Needle valve on outlet is standard.
- $C_v = 0.114$.

The Series 3700 regulators are available in three delivery pressure ranges; 2-35" of water, and 0.8-2.7 psig and 2.7-5 psig. As a line regulator they have a maximum inlet pressure rating of 250 psig. The inlet and outlet connections of the regulator are 1/4" NPT female, but with the standard needle valve installed the outlet connection is 1/4" NPT male. If you do not desire the outlet valve add suffix "NV" to the part number.

HOW TO ORDER

Model Number	Del. Press. Range psig	Del. Press. Gauge psig	Inlet Press. Gauge psig
3701	2-25" water	0-30" water	none
3702	2.7-5 psig	0-10 psig	none
3703	0.8-2.7 psig	0-3 psig	none

Two-stage General Purpose Regulators for Low Pressure Delivery

When source gas pressures exceed 250 psig, this hybrid regulator created by coupling a Series 3700 regulator with a Series 2701 single stage regulator is an ideal choice for such higher pressure applications.

MATERIALS OF CONSTRUCTION

First Stage: See model 2701 on page 20.
2nd Stage: See above.

HOW TO ORDER

Model Number	Del. Press. Range psig	Del. Press. Gauge psig	Inlet Press. Gauge psig
2701HY3701-CGA*	2-25" water	0-30" water	0-4000 psig
2701HY3702-CGA*	2.7-5 psig	0-10 psig	0-4000 psig
2701HY3703-CGA*	0.8-2.7 psig	0-3 psig	0-4000 psig



*Specify CGA connection when ordering. If you do not desire the standard outlet valve add the suffix "NV" to the part number.

Middlesex Gases & Technologies, Inc.
292 Second Street
PO Box 490249
Everett, MA 02149

(800) 649-6704 or (617) 387-5050
www.MiddlesexGases.com
Info@MiddlesexGases.com