

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

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.

FEATURES

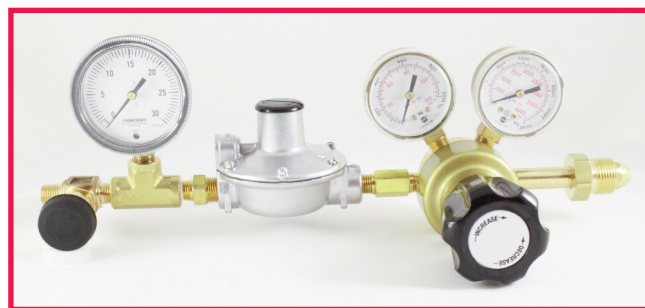
- Extremely low delivery pressures.
- Large sensitive diaphragm for reliable pressure control.
- Maximum inlet pressure 250 psig.
- Needle valve on outlet is standard.
- $C_V = 0.114$.

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 2401 single stage regulator is an ideal choice for such higher pressure applications.



MATERIALS OF CONSTRUCTION

First Stage: See model 2401 on page 20.
2nd Stage: See above.

HOW TO ORDER

Model Number	Del. Press. Range psig	Del. Press. Gauge psig	Inlet Press. Gauge psig
2401HY3701-CGA*	2-25" water	0-30" water	0-4000 psig
2401HY3702-CGA*	2.7-5 psig	0-10 psig	0-4000 psig
2401HY3703-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.