

HIGH PURITY LOW DELIVERY PRESSURE REGULATORS

Series 3700HP

DESCRIPTION

These regulators were designed to meet the needs of applications requiring reliable low-pressure control while maintaining gas purity. They are available in single and two stage versions to meet most non-corrosive gas applications. The low pressure stage has a large sensitive aluminum-faced 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: Aluminum-faced natural rubber
 Internal parts: Steel, brass, and zinc

The Series 3700HP 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. Inlet and outlet connections are 1/4" NPT female. The Series 3700HP has an aluminum faced natural rubber diaphragm to provide a diffusion resistant metal barrier for high purity gas applications. If you do not desire the outlet valve ad suffix "NV" to the part number.

FEATURES

- Extremely low delivery pressures.
- Aluminum faced diaphragm for high purity applications.
- Maximum inlet pressure 250 psig.
- Diaphragm packless 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
3701HP	2-25" water	0-30" water	none
3702HP	2.7-5 psig	0-10 psig	none
3703HP	0.8-2.7 psig	0-3 psig	none

Two-stage High Purity Regulators for Low Pressure Delivery

When source gas pressures exceed 250 psig, this hybrid regulator created by coupling a Series 3700HP regulator with a Series 3101 single stage regulator is an ideal choice for such higher pressure applications



MATERIALS OF CONSTRUCTION

First Stage See model 3101 on page 4
 2nd Stage See above

HOW TO ORDER

Model Number	Del. Press. Range psig	Del. Press. Gauge psig	Inlet Press. Gauge psig
3101HY3701-CGA*	2-25" water	0-30" water	0-4000 psig
3101HY3702-CGA*	2.7-5 psig	0-10 psig	0-4000 psig
3101HY3703-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.