

Ultra-High Purity Brass Single-Stage Models (Threadless Seat)

Description: The unique design of this regulator provides a continuous sweeping of the high pressure chamber. This design is specifically made for processes using analyzers and mixes gases with low levels of the gas components. This sweeping action prevents any drop out or change in the gas mixture and quickly removes any contaminants that may enter the regulator. These nickel-plated single-stage ultra-high purity regulators are recommended for non-corrosive analytical, mildly corrosive and process applications where precise flow control is not critical. A specially designed, convoluted Hastelloy diaphragm provides good regulating performance and maximum purity integrity without the need for a soft seal, which often can be a source of contamination.

These regulators also have a check valve cylinder connection that prevents contaminants from entering during cylinder changeover.

Ultra-High Purity Brass

PRESSURE REGULATORS



Design Features

Convoluted Hastelloy C22 Diaphragms

provide superior leak integrity without contamination from a non-metallic liner or seal.

Bonnet Vent Ports (with optional bonnet vent adaptors)

allowing venting of hazardous gases in the event of diaphragm failure.

Standard Threaded Bonnet (with optional collar-mount nuts)

for easy panel mounting

Diaphragm Packless Valve (with 1/4" TOD compression fitting)

promotes system purity.

Threadless Seat Design

sweeping action ensures gas mixture consistency, provides longer regulator life.

Materials

Body Nickel-Plated Brass

Bonnet Nickel-Plated Brass

Seat PCTFE

Diaphragm Hastelloy C22

Gauges 2 1/2" Nickel-Plated Brass

Filter Copper and Phosphor Bronze

Outlet Valve Nickel-Plated Brass

Trim Nickel-Plated Brass

Specifications	
Maximum Rated Inlet Pressure	4000 psig
Outlet Pressure Ranges	0-30, 0-60, 0-100, 0-250 psig
Flow Capacity	Cv=0.06
Ambient Operating Temperature	-40° F to +150° F
Designed Leak Rate	bubble tight
Weight	3 lbs.
Ports (6)	1/4" FNPT
Inlet	1/4" FNPT
Outlet	1/4" TOD Compression Fitting
Delay Inlet Characteristic	0.06/100 psi

Ordering Information						
Product Number	Material	Max Inlet Pressure (psig)	Max Outlet Pressure (psig)	Capacity (scfh @ Max Del. Pressure)	Inlet Gauge Range (psig)	Delivery Gauge Range (psig)
Y11-T265A(CGA)	Brass	4000	30	900	0-4000	30" Hg-0-30
Y11-T265B(CGA)	Brass	4000	60	1,250	0-4000	0-100
Y11-T265D(CGA)	Brass	4000	100	1,750	0-4000	0-200
Y11-T265F(CGA)	Brass	4000	250	2,700	0-4000	0-400

Available Options	
Product Number	Description
Y99-CHROMNUTV	Panel Mounting Nut
Y99-BONNETADP	Bonnet Vent Adapter
Y99-CKCGA	Check Valve Cylinder Connection
Y15-QMB1	Quick Mounting Option for 1 Cylinder
Y15-QMB2	Quick Mounting Option for 2 Cylinders

Equipment