

Ultra-Low Delivery Pressure Models

Special Service

PRESSURE REGULATORS

Description: This two-stage regulator is recommended for use with non-corrosive gases in applications where an ultra-low delivery pressure is required. It maintains an accurate delivery pressure over the life of the cylinder. The two-stage design limits the variations in the outlet pressure to 0.06 psig for every 100 psig of inlet pressure decay. Made of durable, long-lasting forged brass and then chrome plated, this regulator is perfect for non-corrosive, ultra-low delivery pressure gases. A needle valve is included on the outlet.



Design Features

Large Elastimeric Diaphragms

deliver precise pressure control from full cylinder to almost empty.

Sintered Metal Filter

protects internal parts and extends service life.

Unique Delivery Gauge

provides 0.1 psi graduations on the 0 - 2 psi unit and 0.5 psi on the 0 - 6 psi unit.

Inter-Stage Relief Valve

protects second stage from over-pressurization.

Specifications	
Maximum Rated Inlet Pressure	3,000 psig
Outlet Pressure Ranges	0.06 - 2 psig/0.06-6 psig
Flow Capacity	Cv=.08
Ambient Operating Temperature	-20° F to +140° F
Designed Leak Rate	Bubble-Tight (helium)
Weight	5 lbs
Ports (5)	1/4" FNPT
Outlet	1/4" NPT male
Decay Inlet Characteristic	0.03/100 psi

Materials	
Body	Brass
Bonnet	Brass
Diaphragm	1st Stage PTFE, 2nd Stage Neoprene
Gauges	2 1/2" Brass
Filter	Sintered Brass
Valve Stem	Brass
Valve Spring	302 Stainless Steel
1st Stage Seat	PTFE
2nd Stage Seat	Neoprene

Product Number	Material	Max Inlet Pressure (psig)	Max Outlet Pressure (psig)	Capacity (scfh @ Max Del. Pressure)	Relief Valve Setting (psig)	Inlet Gauge Range (psig)	Delivery Gauge Range (psig)
Y12-N175A(CGA)	Brass	3,000	2	100	1,200	0-4,000	0-5
Y12-N175B(CGA)	Brass	3,000	6	100	1,200	0-4,000	0-15