

Very Low Delivery Pressure

Description: This Airgas two-stage regulator can be used with high purity mildly corrosive and non-corrosive gases. The large area second stage stainless steel diaphragm provides a sensing area that allows this regulator to provide a delivery pressure as low as 0.14 to 1.45 psig. The two stage design provides a constant delivery pressure to the application regardless of the change of the inlet pressure.

Special Services

PRESSURE REGULATORS



Specifications	
Maximum Rated Inlet Pressure	2900 psig
Outlet Pressure Range	0-1.45 psig
Flow Capacity	9 lpm N2 @ 2000 psig/CV = 0.057
Design Leak Rate	1 x 10 ⁻⁸ ccs (helium)
Weight	3.5 lbs
Ports (3)	1/4" NPT female
Inlet (1)	1/4" NPT female
Outlet (2)	1/4" NPT female

Materials	
Body	Chrome-Plated Brass or 316 Stainless Steel
Bonnet	Black Anodized Aluminum
Seat	PTFE
Seals	EPDM
Piston – 1st Stage	Brass or 316 Stainless Steel
Diaphragm – 2ndStage	304 Stainless Steel
Gauges	1 3/4" Chrome-Plated Brass or Stainless Steel

Design Features

Two-stage design ensures constant delivery pressure over the change of inlet pressure

Large 3.8" second stage diaphragm allows for accurate control down to 0.14 psig.

Ordering Information					
Product Number	Material	Max Inlet Pressure (psig)	Pressure Range (psig)	Inlet Gauge	Outlet Gauge
Y12-1LPA- (CGA)	Chrome-Plated Brass	2900	0.14 – 1.45	3000	2.3
Y12-4LPA- (CGA)	Stainless steel	2900	0.14 – 1.45	3000	2.3