

**PRESSURE REGULATORS**

High-Purity



## Two-Stage Mini Regulator Models

**Description:** These compact, two-stage analytical series and high-purity stainless steel regulators are ideally suited for lecture bottles and other small cylinders. They are equipped with a CGA 180 connection for easy attachment to Airgas® lecture bottles. Other CGA connections are available upon request, as the regulator is rated for 3,000 psig inlet pressure.

This regulator also features a non-lubricated needle valve, designed to regulate outlet flow. Choose a brass model for analytical or non-corrosive service or a stainless steel model for mildly corrosive service. If used in corrosive service, a cross-purge assembly must be used.

**Design Features**

**Compact Design**

ideal for lecture bottles and small cylinders.

**Sensitive Diaphragm**

provides accurate pressure settings.

**1 1/2" Gauges**

permit easy reading.

**Large Adjusting Knob**

provides excellent sensitivity over a wide range of settings.

**Needle Valve**

provides easy control of flow volume.

Specifications	
Maximum Rated Inlet Pressure	3,000 psig
Outlet Pressure Ranges	0-25, 0-100 psig
Flow Capacity	Cv=0.08
Ambient Operating Temperature	-40° F to 165° F
Designed Leak Rate	Bubble-Tight (helium)
Weight	1.5 lbs
Ports	1/8" FNPT
Inlet	CGA x 1/8" FNPT
Outlet	1/8" Compression
Decay Inlet Characteristic	0.58/100 psi

Materials	
Body	Nickel-Plated Brass, Aluminum, or Stainless Steel
Bonnet	Nickel-Plated Brass
Seat	PTFE
Diaphragm	316 Stainless Steel
Gauges	1 1/2" Nickel-Plated Brass or Stainless Steel (plastic case)
Filter	316 Stainless Steel
Valve Spring	316 Stainless Steel
Valve Stem	316 Stainless Steel
Trim	Nickel-Plated Brass

**Ordering Information**

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-L244ALB	Brass	3,000	25	300	75	0-3,000	0-30
Y12-L244DLB	Brass	3,000	100	1,050	210	0-3,000	0-100
Y12-L445ALB	316 SS	3,000	25	90	75	0-3,000	0-30
Y12-L445DLB	316 SS	3,000	100	250	250	0-3,000	0-100