

Single-Stage Mini Regulator Models

Description: These compact, single-stage general-purpose and analytical series 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 (110 or 170 CGA's) are available upon request.

Rated to 3,000 psig, these regulators feature a built-in, non-lubricated needle valve that has been designed to regulate outlet flow. Choose a brass model for non-analytical, non-corrosive service; an aluminum model for mildly corrosive service or a stainless steel model for corrosive service.

High-Purity

PRESSURE REGULATORS



Design Features

Compact Design
is ideal for lecture bottles and small cylinders.

Sensitive Diaphragm
provides accurate pressure settings.

1½" or 2" Gauges
are easy to read at a glance.

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, 0-60, 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 (3)	1/8" FNPT
Inlet	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	Neoprene or 316 Stainless Steel
Gauges	1½" Nickel-Plated Brass or 2" Stainless Steel
Filter	316 Stainless Steel
Valve Spring	316 Stainless Steel
Valve Stem	316 Stainless Steel
Trim	Nickel-Plated Brass or Stainless Steel

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-L215ALB (CGA)	Brass*	3,000	25	300	0-3,000	0-30
Y11-L215DLB (CGA)	Brass*	3,000	60	1,050	0-3,000	0-100
Y11-L244ALB (CGA)	Brass**	3,000	25	300	0-3,000	0-30
Y11-L244DLB (CGA)	Brass**	3,000	60	1,050	0-3,000	0-100
Y11-L545A (CGA)	Aluminum**	3,000	25	90	0-3,000	0-30
Y11-L545D (CGA)	Aluminum**	3,000	100	250	0-3,000	0-100
Y11-L445A (CGA)	316 SS**	3,000	25	90	0-3,000	0-30
Y11-L445D (CGA)	316 SS**	3,000	100	250	0-3,000	0-100

* Neoprene diaphragm

** Stainless steel diaphragm