

PRESSURE REGULATORS

Analytical

Gas Phase Dewar Service Regulators

Low-Pressure Brass Models



*Y11-LC241 series shown

Description: This series of high-purity, single-stage regulators is designed for liquid cylinders, low-pressure mixes, and process applications where precise pressure control is not required. These regulators are recommended for non-corrosive analytical and process applications. This series is ideally suited for gas phase pressure regulation in liquid cylinder applications.

The regulator body is machined from brass bar stock, which decreases internal volume and eliminates the large cavities and pockets associated with forged-body regulators. Attractive nickel-plating looks clean and lasts for years of service.

Design Features

- Filtered Seat**
for added gas stream purity and extended service life.
- Stainless Steel Diaphragms**
eliminate outgassing associated with elastometric diaphragms.
- Bar Stock Body**
with low internal volume minimizes atmospheric contamination during cylinder change out.
- Encapsulated Filter Seat Assy**
protect valve seat and extend service life.
- Dewar Service**
ideal for gas service from a liquid cylinder.
- Panel Mount Bonnet and (2) 10-32 Taps**
for rear mounting.

Specifications	
Maximum Rated Inlet Pressure	1,200 psig
Outlet Pressure Ranges	0-25, 0-50, 0-100, 0-250 psig
Flow Capacity	Cv=0.13
Ambient Operating Temperature	-40° F to +165° F
Designed Leak Rate	Bubble-Tight (helium)
Weight	3.12 lbs
Ports (3)	1/4" FNPT
Inlet	1/4" FNPT
Outlet	1/4" MNPT Instrument Valve
Decay Inlet Characteristic	0.23/100 psi

Materials	
Body	Nickel-Plated Brass
Bonnet	Nickel-Plated Brass
Seat	PTFE
Diaphragm	316 Stainless Steel
O-Ring	PTFE
Gauge	2 1/2" Nickel-Plated Brass
Filter	316 Stainless Steel and Bronze
Valve Stem	316 Stainless Steel
Valve Spring	316 Stainless Steel
Outlet Valve	Nickel-Plated Brass
Trim	Nickel-Plated Brass

Ordering Information								
Product Number	Material	Max Inlet Pressure (psig)	Max Outlet Pressure (psig)	Capacity (scfh @ Max Del. Pressure)	Delivery Gauge Range (psig)	Inlet Gauge Range (psig)	Relief Valve Setting (psig)	
Y11-LC241A(CGA)	Brass	1,200	25	275	30" Hg-0-30	None	85	
Y11-LC241B(CGA)	Brass	1,200	50	420	0-60	None	150	
Y11-LC241D(CGA)	Brass	1,200	100	650	0-200	None	150	
Y11-LC241F(CGA)	Brass	1,200	250	750	0-400	None	350	
Y11-LC251A(CGA)	Brass	1,200	25	275	30" Hg-0-30	0-400	85	
Y11-LC251B(CGA)	Brass	1,200	50	420	0-60	0-400	150	
Y11-LC251D(CGA)	Brass	1,200	100	650	0-200	0-400	150	
Y11-LC251F(CGA)	Brass	1,200	250	750	0-400	0-400	350	

Available Options	
Product Number	Description
Y99-26120	1/4" FNPT x 1/4" Compression
Y99-26140	1/4" FNPT x 1/8" Compression
Y99-CKCGA	Check Valve CGA Connection

Additional Information:
Ideal for gas phase pressure regulation in liquid cylinder applications.

Equipment

