

Acetylene Models

Special Service

PRESSURE REGULATORS

Description: Specially designed for acetylene service, these unique, single-stage regulators are engineered to provide precision performance. The regulators feature a 10-micron, sintered stainless steel filter and a PTFE-lined, nylon-reinforced neoprene diaphragm.

Because delivery pressure of acetylene should not exceed 15 psig, these regulators are equipped with a special pressure gauge that features a red warning to indicate unsafe delivery pressure. They are also equipped with a reverse-flow check valve to prevent backflow of gas into the regulator on the outlet.



Design Features

Filtered Seat

for added gas stream purity and extended service life.

10-micron Filter

protects internal parts and filters gas stream.

Reverse-Flow Check Valve

prevents the reverse flow of gas into the regulator.

Large, Reinforced Diaphragm

provides excellent performance characteristics.

Red Warning Delivery Gauge

indicates delivery pressure exceeding 15 psig.

Specifications	
Maximum Rated Inlet Pressure	400 psig
Outlet Pressure Ranges	0-15 psig
Flow Capacity	Cv=0.15
Ambient Operating Temperature	-40° F to +165° F
Designed Leak Rate	Bubble-Tight (helium)
Weight	3.32 lbs
Outlet	9/16-18 LH
Decay Inlet Characteristic	0.085/100 psi

Materials	
Body	Nickel-Plated Brass
Bonnet	Composite
Seat	PTFE
Diaphragm	Stainless Steel
Gauges	2 1/2" Nickel-Plated Brass
Filter	316 Stainless Steel and Bronze
Valve Stem	316 Stainless Steel
Valve Spring	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)	Type	Inlet Gauge Range (psig)	Delivery Gauge Range (psig)
Y11-120A(CGA)	Brass	400	15	210	Single Stage	0-400	0-30

Redline @ 15 psi.

Available Options

Product Number	Description
Y80-73100	Acetylene Filter

