

Low Pressure Line Regulators General Service

DESCRIPTION

These Low Pressure Regulators have an oversize "pancake" body of die cast aluminum with a Buna N diaphragm. They are designed to give sensitive and very accurate low pressure control in systems which do not exceed 250 psi inlet pressure. The Model 70B can be adjusted to zero delivery pressure.

Where cylinder pressures exceed 250 psi, excellent results are achieved by reducing pressure to 25-80 psig with a pressure regulator, such as the Model 1L, and delivering this pressure to the Model 70. When so used, the two regulators can be connected with a heavy duty hose and the proper fittings, which are supplied as a kit. Detailed flow data is available on request.

APPLICATION

Designed for fuel gas burner operation, these regulators deliver a steady flow for a stable flame and are ideal for use with flame photometers.

DESIGN FEATURES

- Oversize diaphragm . . . Assures sensitive, highly accurate low pressure control
- Aluminum Body Construction . . . Lightweight, easy to handle and install while keeping overall cost low
- Pressure adjusting screw protected by cap . . . Prevents accidental outlet pressure change
- Large diameter delivery pressure gauge . . . Easy-to-read face makes outlet pressure setting easy and accurate

MATERIALS OF CONSTRUCTION

Body:	Aluminum
Diaphragm:	Buna N rubber
Seat:	Rubber
Nozzle:	Brass
Gauge:	3½" Chrome plated brass
Bonnet:	Aluminum

IMPORTANT ORDERING INFORMATION FOR SERIES 70 REGULATORS

Maximum inlet pressure 250 psi. Unless specified, all units have ¼" NPT male inlet. If ordered for direct connection to cylinder, specify proper inlet, e.g., Propane 70-510. If ordered for series connection with another regulator, order the hose and fittings. All regulators are equipped with ¼" NPT male outlet valves and hose connections are supplied.



SPECIFICATIONS

Maximum inlet pressure:	250 psi (1,725 kPa)
Temperature range:	−40 to 160°F (−40 to 70°C)
Maximum flow data:	Model 70B 125 cfh (60 lpm) Model 70 360 cfh (170 lpm) Model 70A 550 cfh (260 lpm)
Inlet:	¼" NPT male
Outlet:	Brass needle valve (100S) ¼" NPT male, and hose connection
Overall dimensions:	70 and 70A 13" w x 7" h x 5¼" d (33 x 18 x 13 cm) 70B—9½" w x 4½" h x 3¼" d (24 x 11 x 10 cm)
Shipping weight:	70 and 70A—5 lb. 4 oz. (2.4 kg) 70B—4 lb. (1.8 kg)

MODELS & PRICES

Model	Delivery Pressure	Delivery Pressure Gauge	Built-in Relief Valve	Price
70B	2-15" w.c.	0-35" w.c.	15" to 28" w.c.	\$90.00
70	½ to 5 psi	0-10 psi -30 retard	7 to 9 psi	77.30
70A	5 to 10 psi	0-10 psi -30 retard	None	63.00

Note: Model 70 and 70A do not shut off when adjusting screw is completely turned out.

OPTIONS

Hose Assembly Model 6005-3232	\$7.75
Two feet long—for connecting the inlet of the series 70 regulator to the outlet of a high pressure regulator such as a Model 1L. For use when inlet pressures exceed 250 psig.	
CGA Inlet Connections (except 660)	Add 6.50
660 Connection	Add 8.40
Connection 510 available for liquefied petroleum or 660 for refrigerant type gases.	
Adjusting wrench TW4. (See page 211)	Add 4.60