Electrical-Heated Regulator | PRESSURE REGULATOR

High Purity Two-Stage Electrically Heated Regulator

Description: This Airgas regulator can be used with gases that encounter the Joule-Thompson effect created in pressure drops across the internal orifices in a regulator. The regulator will maintain the gas in the vapor phase by supplying heat at the regulator's internal orifice while providing a constant delivery pressure.

Design Features

Two-Stage Design
provides a constant delivery to the application

Electrical Specifications
all electrical components are UL-listed

Design for Continuous Flow
up to 100 SCFH of carbon dioxide

Materials	
Regulator Body	Chrome-plated brass
Diaphragm	Stainless Steel
Piston	Brass
Seat	PTFE
Seal	Buna-N
Bonnet	Chrome-plated die cast
Gauges	Chrome-plated brass
Outlet Diaphragm Valve	Chrome-plated brass
Diaphragm	Stainless Steel
Seat	PCTFE

Specifications	
Max Inlet Pressure	3000 psig
Outlet Pressure Range	10-125 psig
Ambient Temperature Range	4 °F to 140 °F
Heater	200 Watt cartridge style
Heater Temperature	90F to 125F +/- 8F nonadjustable
Power Requirement	120 Voltage (240 Voltage option)
Flow Coefficient	Cv = 0.15
Supply Pressure Effect	0.04/100 psi
Ports	¼" NPT female
Inlet Port	Specify CGA Connection
Outlet Port	¼" NPT female
Gauge Size	2.5" face
Approximate Weight	7 lbs

Ordering Information

Product Number	Material	Max Inlet Pressure (psig)	Max Outlet Pressure (psig)	Inlet Gauge Range (psig)	Delivery Gauge Range (psig)
Y12-EH700E-CGA*	Brass	3000	125	0-4000	30" 0-200

*This regulator is not suitable for flammable gases.