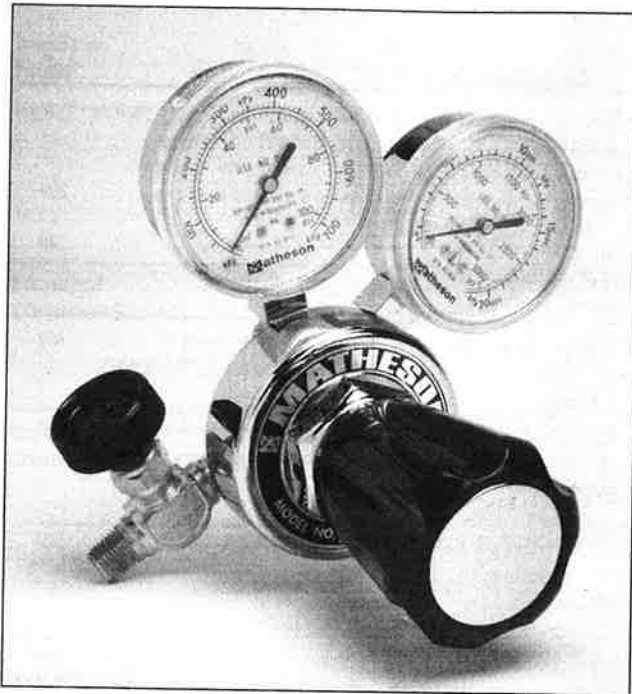




Model 1 Series Single-Stage Deluxe General Purpose Brass Regulator



Design Features/Components

- Forged brass body
- Neoprene diaphragm
- 2-1/2" inlet and delivery pressure gauges
- Equipped with outlet needle valve
- 1/4" NPTM outlet connection
- Porous metal filter to protect seat from contamination

Materials of Construction

Gauges:	Chrome plated brass
Body:	Forged brass
Bonnet:	Chrome plated die-cast zinc
Diaphragm:	Neoprene
Seat:	PTFE Teflon
Seals:	Neoprene

Specifications

Maximum Inlet Pressure:	3000 psig (20,700 kPa)
	Model 1PA: 400 psig (2,760 kPa)
Maximum Flow Rate:	Model 1, 1P: 600 SCFH (285 SLPM)
(At 2000 psig, N ₂)	Model 1L: 1150 SCFH (540 SLPM)
	Model 1H: 2400 SCFH (1130 SLPM)
(At 400 psig, N ₂)	Model 1PA: 360 SCFH (170 SLPM)
Flow Capacity (Cv):	0.17 without outlet valve
Operating Temperature:	-20°F to 140°F (-29°C to 60°C)
Porting:	1/4" NPT Female
Porting Configuration:	2 High, 2 Low
Shipping Weight:	7 lbs

Description

General purpose regulators with rugged construction for use with non-corrosive gases.

Applications

- Calibration of pressure gauges, rotameters, and mass flowmeters.
- Applications with high duty cycle/demanding operating conditions.

Ordering Information

Model Number*	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
1PA-510**	2-15 psig	0-15 psig	0-400 psig
1P-CGA	4-35 psig	0-60 psig	None
1-CGA	4-35 psig	0-60 psig	0-3000 psig
1L-CGA	4-80 psig	0-100 psig	0-3000 psig
1H-CGA	10-180 psig	1-200 psig	0-3000 psig

*Note: Some CGA limitations may apply.

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Please order Matheson Technical Bulletin TB-167 for additional information.

Options

Model Number	Description
CON-0208-BO	1/4" Compression Tube Outlet Connection (Brass)
400V	Check Valve
6103	Flash Arrestor