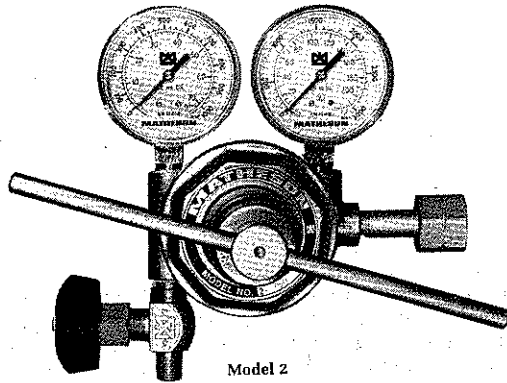


# Models 2, 3 and 4

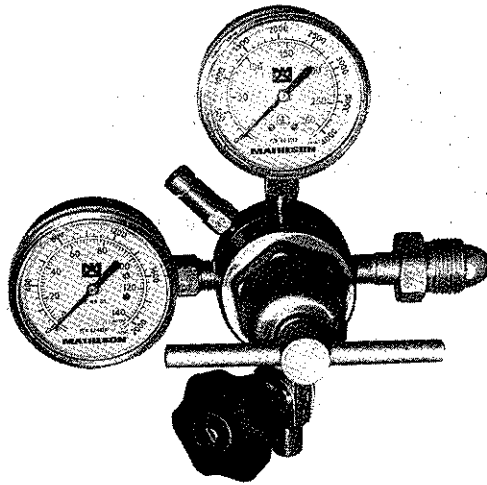
## High Pressure Regulators

### DESCRIPTION

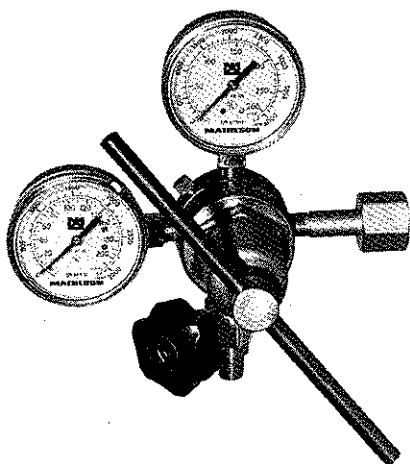
High pressure technology demands high quality regulators that are safe and reliable over a wide range of pressure settings. Matheson high pressure regulators have proven their value to many satisfied customers doing high pressure work.



Model 2



Model 3



Model 4

### APPLICATIONS

These single stage regulators are used extensively in missile component testing, the petroleum field, research laboratories for hydrogenation, catalytic reduction, accelerated age testing, calorimetry, pressure testing, and general autoclave work as well as similar applications.

### DESIGN FEATURES

- Strong metallic diaphragm for protection against air diffusion.
- Model 2 designed for high flows has soldered diaphragm and attached poppet for better shut-off.
- Outlet valve LMM4393 with 1/4" NPT male outlet connector.

### MATERIALS OF CONSTRUCTION

Body: Brass  
 Diaphragm: St St 304 (Model 2 German silver)  
 Seat: Nylon (3 & 4)  
 Kel-F (2)

### SPECIFICATIONS

Maximum inlet pressure: Model 2: 3000 psi (20,700 kPa)  
 Model 3 & 4: 3600 psi (24,840 kPa)  
 Temperature range: -20 to 140°F (-30 to 60°C)  
 Maximum flow of air: Model 2: 5200 cfh (2500 l/m)  
 Model 3 and 4: 7700 cfh (3600 l/m)  
 Inlet port in body: Model 2: 1/4" NPT Female  
 Model 3 and 4: 1/2"-27 Female  
 Overall dimensions: Model 2: 7" w x 7 1/4" h x 7" d  
 (18 x 18.5 x 18 cm)  
 Model 3 and 4: 8 1/4" w x 8" h x 6" d  
 (21 x 20 x 15 cm)  
 Shipping weight: Model 2: 9 lb. 2 oz. (4.1 kg)  
 Model 3 and 4: 6 lb. 8 oz. (3 kg)

### MODELS

Model	Delivery Pressure Range (psig)	Delivery Pressure Gauge (psig)	Cylinder Pressure Gauge (psig)
2*	50-650	0-1000	0-3000
3*	100-1500	0-2000	0-4000
4*	100-2500	0-3000	0-4000

\*Specify CGA connection

### OPTIONS

1/4" Flareless Fitting, Stainless steel for Models 3 and 4  
 1/4" Flareless Fitting, Brass for Model 2  
 Bonnet Venting Kit, for Model 2 regulator