

# LINE REGULATORS

## STAINLESS STEEL LINE REGULATOR . . . MODELS 3451 and 3453

Model 3450 series are high purity line regulators recommended for use on pipelines made of 1/4" or 3/8" stainless steel tubing.

### DESIGN FEATURES

- Constructed to pass helium leak rate certification.
- Drilled and tapped for panel mounting.

### MATERIALS OF CONSTRUCTION

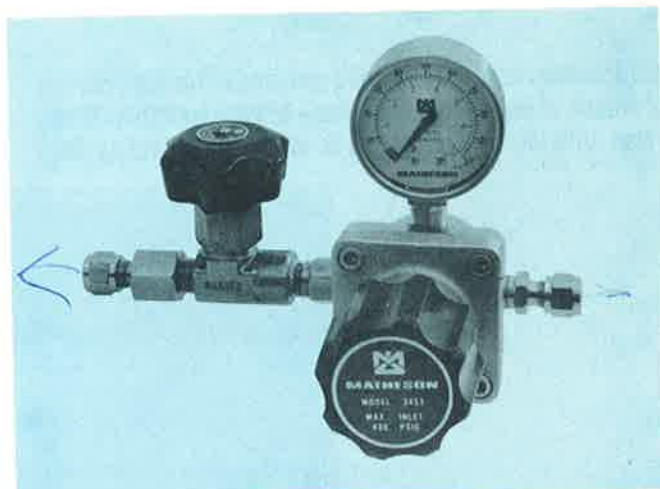
Body:	316 stainless steel
Diaphragm:	316 stainless steel
Seat & gaskets:	Teflon
Inlet fitting:	316 stainless steel
Gauge:	316 stainless steel
Outlet packless valve:	303 stainless steel—Model FM 939SS

### SPECIFICATIONS

Maximum inlet pressure:	400 p.s.i. (28 kg/cm <sup>2</sup> )
Temperature range:	—65 to 220°F (—55 to 105°C)
Inlet connection:	1/4" Gyrolok (3/8" optional)
Inlet port in body:	1/4" NPT Female
Outlet connection:	1/4" Gyrolok
Overall dimensions:	7 1/2" w x 5" h x 4" d (19x13x10 cm)
Shipping weight:	4 lb. 12 oz. (2.2 kg)
Maximum flow of air:	3451: 130 cfh (62 liters/min) 3453: 630 cfh (300 liters/min)

Model	Delivery Pressure Range (p.s.i.g.)	Delivery Pressure Gauge (p.s.i.g.)	Price
3451	0-20	30" vac-0-30	\$190.00
3451-678	0-20	30" vac-0-30*	215.00
3453	5-100	0-100	190.00

\*Special gauge 63-3704 Heliarc welded for Dichlorsilane.



Model 3453

### OPTIONS

**Helium Leak Rate Certification**—Consists of a five minute check of helium diffusion into the regulator. Maximum acceptable leak rate is  $2 \times 10^{-10}$  ccs. **\$16.00**

For additional information, request Engineering Report G-126.

## NON-CORROSIVE LINE REGULATORS . . . MODELS 40L, 40H, and 48

Models 40 and 48 line regulators are designed for use on in-plant compressed gas pipe lines.

### DESIGN FEATURES

- Large diaphragm for good sensitivity.
- Attached poppet for safer protection against crawl.
- Outlet needle valve (100S) with 1/4" NPT and hose fitting.

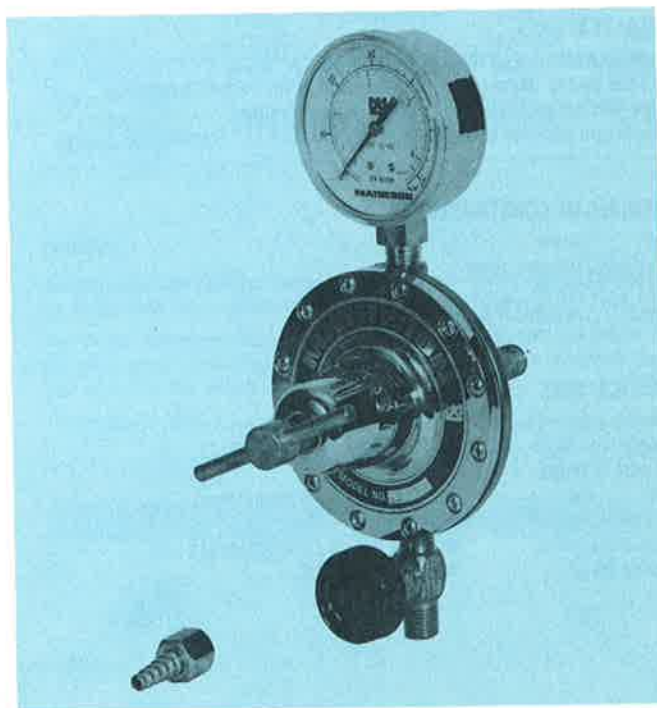
### MATERIALS OF CONSTRUCTION

Body:	Brass
Diaphragm:	Butyl
Seat:	Neoprene

### SPECIFICATIONS

Maximum inlet pressure:	Model 40: 150 psi (10 kg/cm <sup>2</sup> ) Model 48: 350 psi (25 kg/cm <sup>2</sup> )
Temperature range:	—20 to 140°F (—30 to 60°C)
Maximum flow of air:	40L: 480 cfh (225 liters/min) 40H: 1500 cfh (700 liters/min) 48: 4000 cfh (1900 liters/min)
Inlet:	1/4" NPT male
Outlet:	1/4" NPT male
Overall dimensions:	4" w x 9" h x 6 1/2" d (10x23x17 cm)
Shipping weight:	Model 40: 4 lb. 10 oz. (2.1 kg) Model 48: 6 lb. 4 oz. (3 kg)

Model	Delivery Pressure Range (p.s.i.g.)	Delivery Pressure Gauge (p.s.i.g.)	Price
40L	4-25	0-60	\$45.00
40H	4-90	0-100	45.00
48	20-200	0-400	59.00



Model 40L