

# R22B SERIES

High Purity Medium Flow Line Regulator

Specialty Gas Equipment



▶ R22BJ-DIP-13-13

GENTEC® R22B Brass Line Regulator is a Diaphragm-Sensed Single-Stage High Purity regulator designed for applications where medium flow is desired.

## Product Features

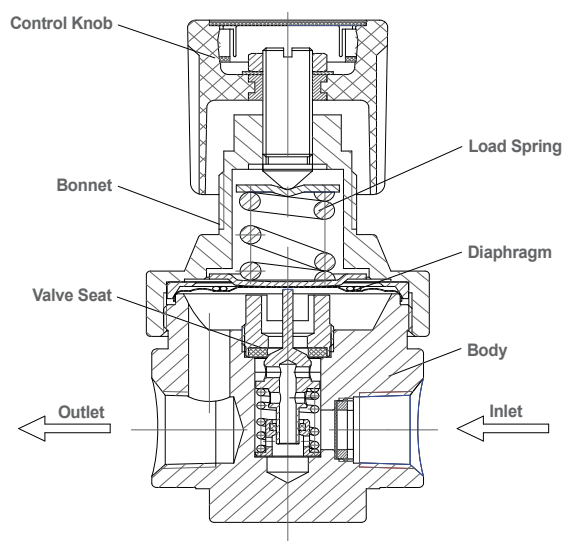
- Single-Stage Configuration
- Metal-to-Metal Seal
- Inlet & Outlet Port Size: 1/2" NPT(F)
- 2" Pressure Gauge

## Materials

- |                  |                              |
|------------------|------------------------------|
| • Body           | Nickel-Plated Brass Barstock |
| • Bonnet         | Nickel-Plated Brass Barstock |
| • Seat           | PCTFE                        |
| • Diaphragm      | 316L Stainless Steel         |
| • Adjusting Knob | ABS Plastic                  |

## Applications

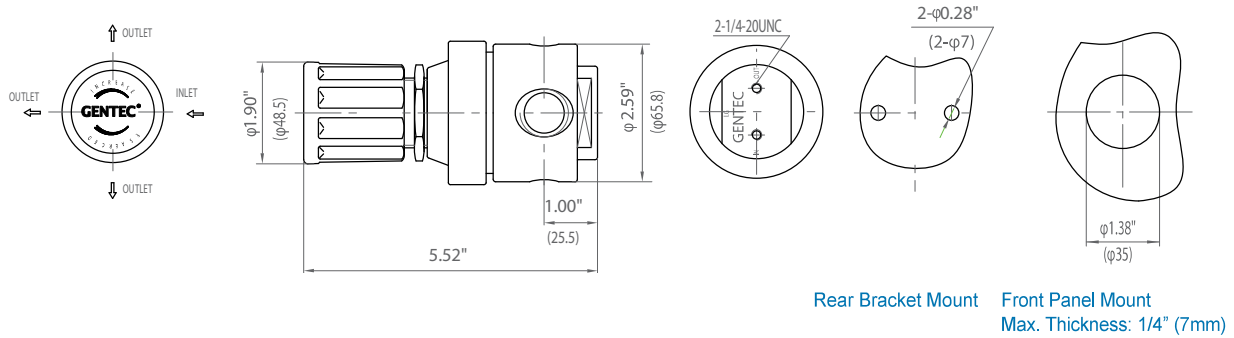
- Semiconductor Industry
- Gas Manifold Systems
- Research Laboratories
- Petrochemical Industry
- Power Plants



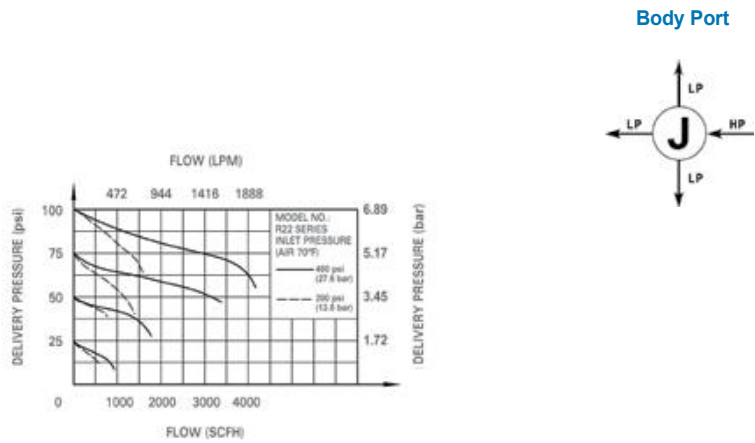
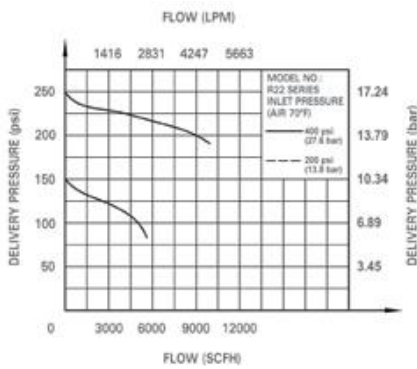
## Specifications

- Maximum inlet pressure: 500 psi (35 bar)
- Maximum outlet pressure: 250 psi (17 bar)
- Safety test pressure: 1.5 x Maximum inlet pressure
- Temperature range: -40 to 165°F (-40 to 74°C)
- Inboard leakage:  $2 \times 10^{-8}$  atm,cc/sec He
- Outboard leakage:  $2 \times 10^{-8}$  atm,cc/sec He
- Maximum Cv: 1.1
- Weight: 3.74 lb (1.4 kg)

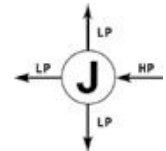
## Dimensions



## Flow Data



## Body Port



## Ordering Information

EX: R22B	J	K -	F	K	K -	13 -	13	Options
	Body Ports	Seat	Inlet Pressure Range	Outlet Pressure Ranges	Gauge	Inlet Connections	Outlet Connections	
• R22B	J	K: PCTFE	F: 500 psi (35 bar)	G: 0-250 psi (17 bar) I: 0-100 psi (7 bar) K: 0-50 psi (3 bar) L: 0-25 psi (2 bar) Q: 30" Hg Vac-30 psi (2 bar) S: 30" Hg Vac-100 psi (7 bar) T: 30" Hg Vac-200 psi (14 bar)	P: psi / bar K: psi / kPa W: No Gauge	04: 1/2" NPT(F) 05: 1/2" NPT(M) 13: 1/2" GENLOK Other connections available*	04: 1/2" NPT(F) 05: 1/2" NPT(M) 13: 1/2" GENLOK Other connections available*	Blank: None P: Panel Mount

\*: Please see page 83 for more inlet connection options such as DIN, BSP, CGA, and JIS.