

# R22 SERIES

Medium Flow Regulator

Solutions for Life



» R22SLJK-DIP-13-13

GENTEC® R22 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:** 316L Stainless Steel, Nickel-Plated Brass
- **Bonnet:** Nickel-Plated Brass Barstock
- **Seat:** PCTFE, Vespel®
- **Diaphragm:** 316L Stainless Steel, Hastelloy®
- **Adjusting Knob:** ABS Plastic

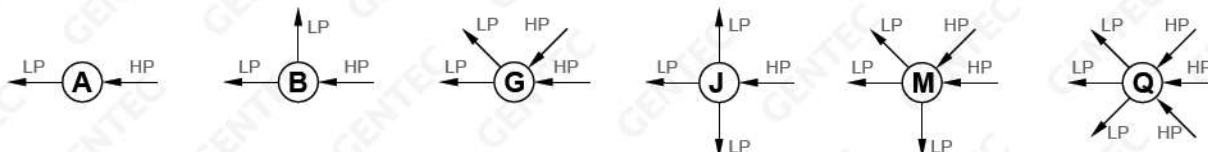
## Applications

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

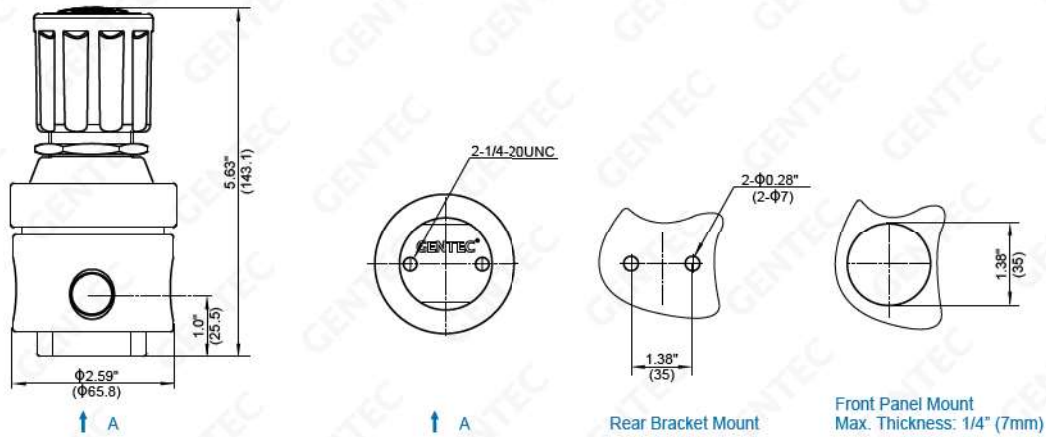
## Specifications

- **Maximum inlet pressure:** 4500 psi (206 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:** 1.0
- **Weight:** 3.5 lb (1.6 kg)

## Body Port

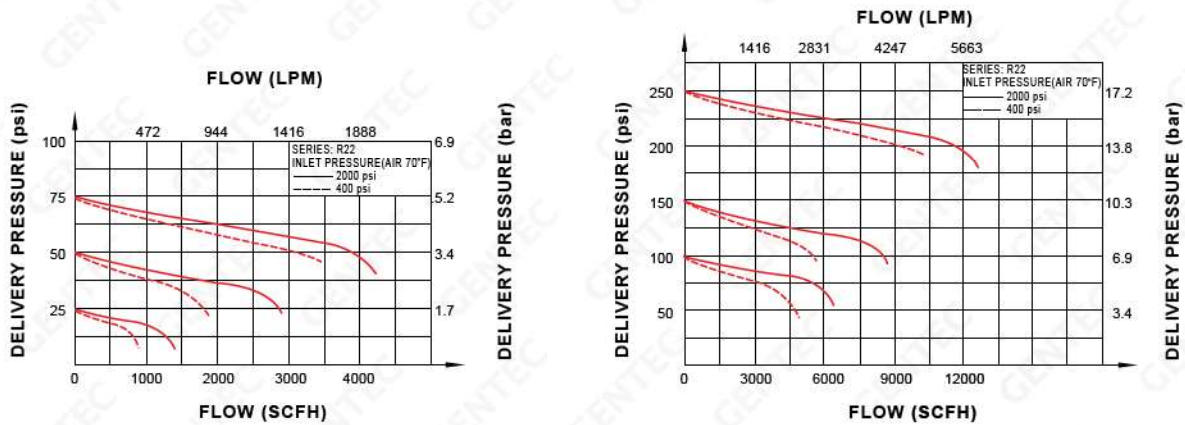


## Dimensions



Dimensions: in (mm)

## Flow Data



## Ordering Information

EX: R22SL	J	K -	F	G	K -	13 -	13 -	P
Series	Body Ports	Seat	Inlet Pressure Range	Outlet Pressure Ranges	Gauge	Inlet Connections	Outlet Connections	Options
• R22B (Brass)	A	K: PCTFE	C: 4500 psi (310 bar)	G: 0-250 psi (17 bar)	P: psi / bar	04: 1/2" NPT(F)	04: 1/2" NPT(F)	Blank: None
	B	V: Vespel®	D: 3000 psi (206 bar)	H: 0-150 psi (10 bar)	K: psi / kPa	05: 1/2" NPT(M)	05: 1/2" NPT(M)	P: Panel Mount
	G		F: 500 psi (35 bar)	I: 0-100 psi (7 bar)	W: No Gauge	13: 1/2" GENLOK	13: 1/2" GENLOK	H: Hastelloy®
• R22SL (316L)	J			K: 0-50 psi (3 bar)		15: 6 mm GENLOK	15: 6 mm GENLOK	Diaphragm
	M			L: 0-25 psi (1.5 bar)		16: 8 mm GENLOK	16: 8 mm GENLOK	
	Q			Q: 30" Hg Vac-30 psi (2 bar)		18: 12 mm GENLOK	18: 12 mm GENLOK	
				S: 30" Hg Vac-100 psi (7 bar)		Other connections available*	Other connections available*	
				T: 30" Hg Vac-200 psi (14 bar)				

\*: For more connection options contact Gentec.