

# R74 SERIES

Back Pressure Regulator

Solutions for Life



» R74SLAK-GW-04-04

## Applications

- Process control
- Laboratory
- Petrochemical industry
- Gas analysis

GENTEC® R74 Series Back Pressure Regulator is a diaphragm-sensed high purity regulator designed for analytical applications where a constant back pressure is desired.

## Product Features

- Diaphragm Type Configuration
- Inlet & Outlet Port Size: 1/2" NPT(F)

## Materials

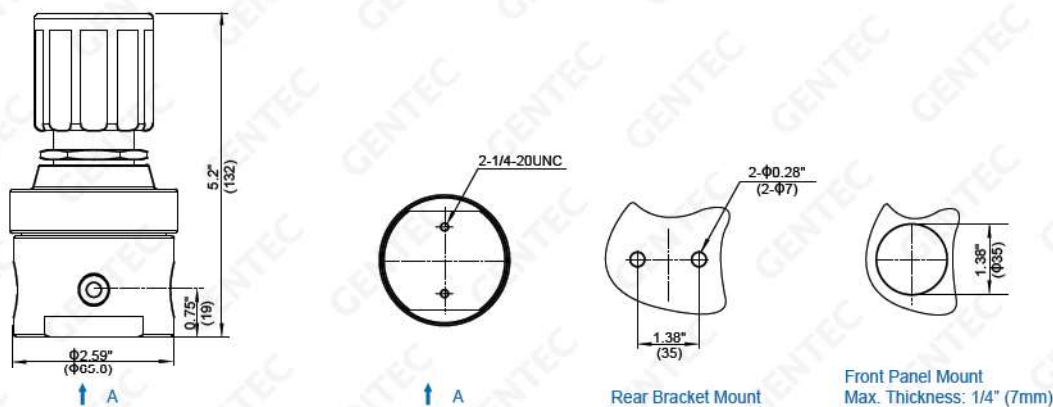
- **Body:** 316L Stainless Steel
- **Seat:** PCTFE
- **Diaphragm:** 316L Stainless Steel
- **Stem:** 316L Stainless Steel
- **Spring:** 316L Stainless Steel

## Specifications

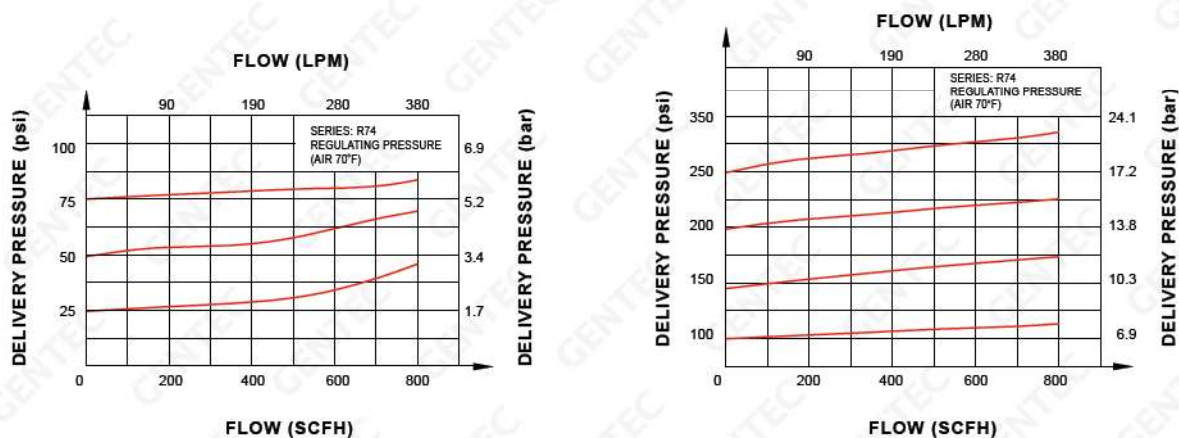
- **Maximum back pressure:** 250 psi (17 bar)
- **Maximum working pressure:** 500 psi (35 bar)
- **Safety test pressure:** 1.5 x Maximum pressure
- **Temperature range:** -40 to 165°F (-40 to 74°C)
- **Inboard leakage:**  $2 \times 10^{-8}$  atm.cc/sec He
- **Outboard leakage:**  $2 \times 10^{-8}$  atm.cc/sec He
- **Maximum Cv:** 0.6
- **Weight:** 3.53 lb (1.6 kg)

## Body Port



**Dimensions**

Dimensions: in (mm)

**Flow Data****Ordering Information**

| EX: R74SL      | A          | K -      | K                                                                                                                    | W -         | 04 -                                                | 04 -                                                | P              |
|----------------|------------|----------|----------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------|-----------------------------------------------------|----------------|
| Series         | Body Ports | Seat     | Inlet Pressure Range                                                                                                 | Gauge       | Inlet Connections                                   | Outlet Connections                                  | Options        |
| • R74SL (316L) | A          | K: PCTFE | G: 0-250 psi (17 bar)<br>H: 0-150 psi (10 bar)<br>I: 0-100 psi (7 bar)<br>K: 0-50 psi (3 bar)<br>L: 0-25 psi (2 bar) | W: No Gauge | 04: 1/2" NPT(F)<br><br>Other connections available* | 04: 1/2" NPT(F)<br><br>Other connections available* | P: Panel Mount |

\*: For more connection options contact Gentec.