Pressure Control Panels

FSR-1 Series Pressure Control Panels for Single Cylinder

Features

- O With a FCR-1 Series Regulator
- O Maximum inlet pressure up to 4500 psig
- With vent valves to relieve residual pressure quickly, easy and safe to remove and replace gas source
- Anodized Aluminium panel
- Bracket mounting as standard

Technical Data

- O Maximum inlet pressure: 3000 or 4500 psig
- Outlet pressure range: 0~25, 0~50, 0~100, 0~250 or 0~500 psig
- Material of the main components:

Seat: PCTFE (regulator and diaphragm valve)

Diaphragm: Hastelloy (regulator), Elgiloy (diaphragm valve)

Diaphragm valve body: 316L

Filter: 316L

- Temperature: -10°F~+150°F (-23°C~+65°C)
- Calculate Leak rates:

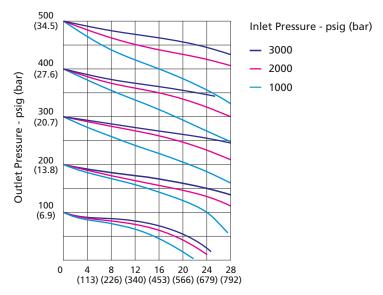
Internal: $\leq 1 \times 10^{-7}$ mbar·l/s helium External: $\leq 1 \times 10^{-9}$ mbar·l/s helium

O Flow coefficient (regulator Cv): 0.06



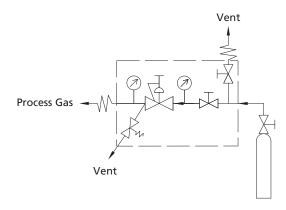
Model: FSR-16L-45-100-00-B-B-00-R-P

Typical Flow Chart



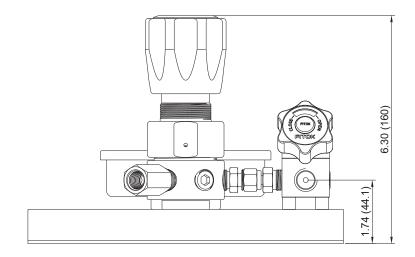
Flow Rate - SCFM (SLPM) Nitrogen

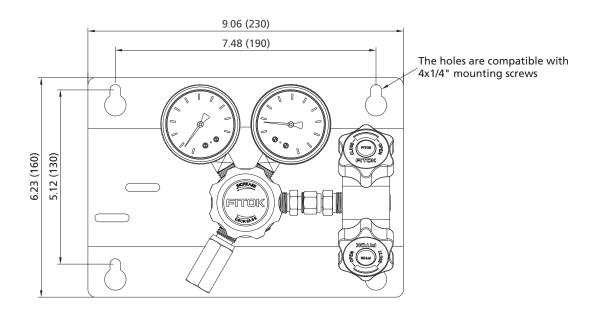
Flow Schematic



Dimensions

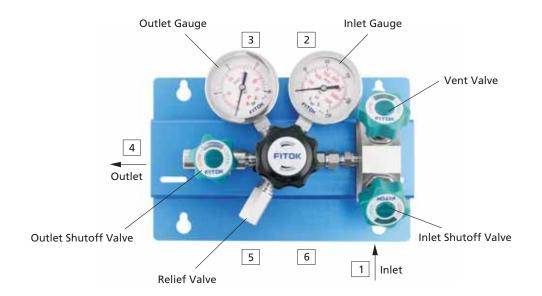
Dimensions, in inches (millimeters), are for reference only.



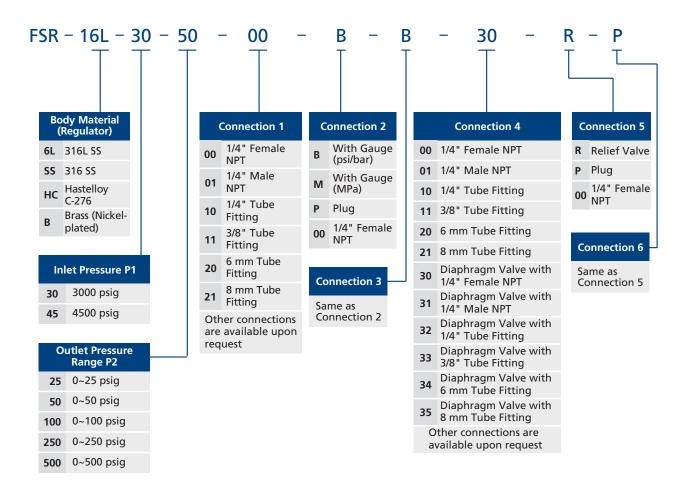




Components Introduction



Part Number Description



Note: Most configurations are available.



Pressure Control Panels

FSR-2 Series High Pressure Control Panels for Single Cylinder

Features

- With a FCR-2 Series Regulator
- Applicable to non-corrosive gases or low-viscosity liquids
- With vent valves to relieve residual pressure quickly, easy and safe to remove and replace gas source
- O Venting model available
- Anodized Aluminium panel
- O Bracket mounting as standard

Technical Data

- O Maximum inlet pressure: 3000 or 4500 psig
- Outlet pressure range: 0~750, 0~1500 or 0~2500 psig
- Material of the main components:

Seat: PCTFE (regulator and diaphragm valve)

Piston: 316L

Diaphragm: Elgiloy (diaphragm valve)

Diaphragm valve body: 316L O-ring: Viton or Kalrez

Filter: 316L

Temperature: -10°F~+150°F (-23°C~+65°C)

Calculate Leak rates:

Internal: Bubble-tight External: Bubble-tight

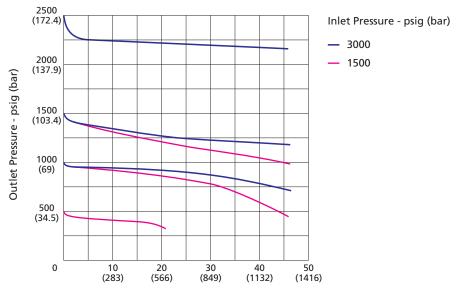
O Flow coefficient (regulator Cv):

Without vent: 0.06 With vent: 0.1



Model: FSR-2Z6L-45-750-00-B-B-00-P-P

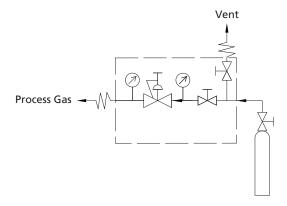
Typical Flow Chart



Flow Rate - SCFM (SLPM) Nitrogen

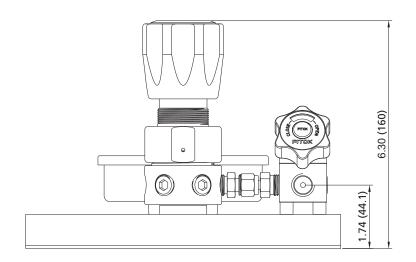


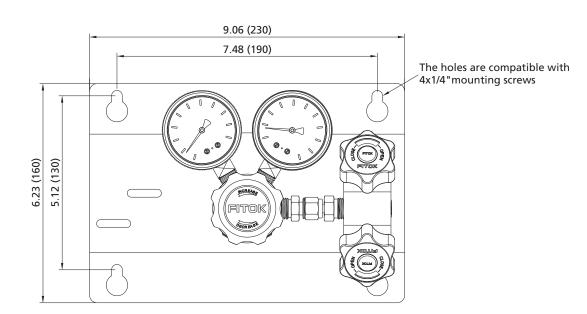
Flow Schematic



Dimensions

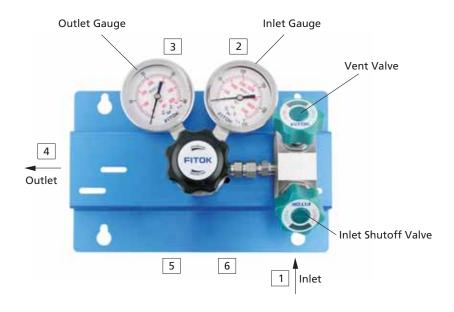
Dimensions, in inches (millimeters), are for reference only.



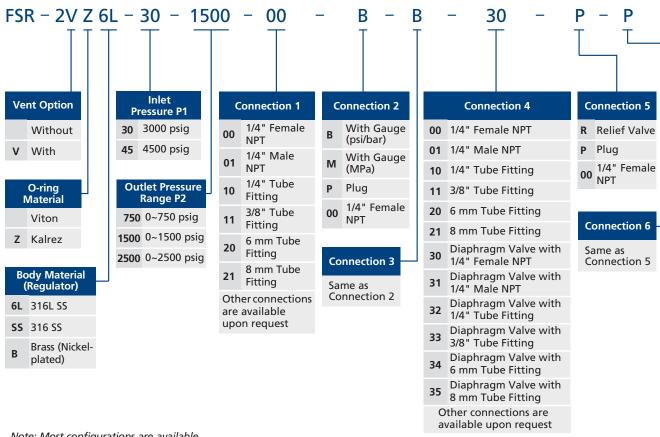




Components Introduction



Part Number Description



Note: Most configurations are available.

