Changeover Systems

FDR-1 Series Manual Changeover System (up to 500 psig)

Features

- A small manual changeover system with a regulator similar to FCR-1
 Series Regulators
- Connecting with two independent gas sources at a time, gas source selected through diaphragm valves
- Applicable to corrosive or toxic gases
- With vent valves to relieve residual pressure quickly, easy and safe to remove and replace gas source
- Anodized Aluminium panel



Model: FDR-16L-30-500-00-B-B-01-00-R

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

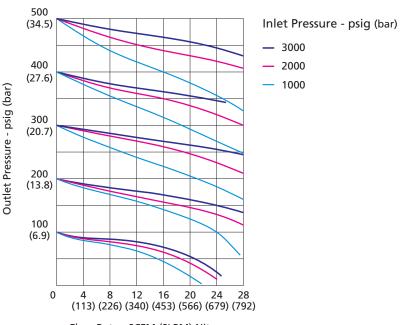
O-ring: Viton

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

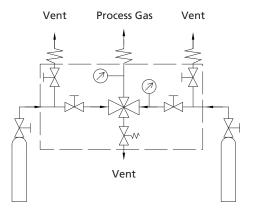
Typical Flow Chart



Flow Rate - SCFM (SLPM) Nitrogen

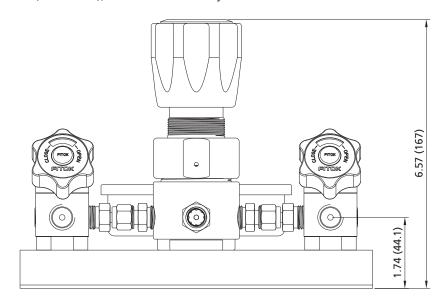


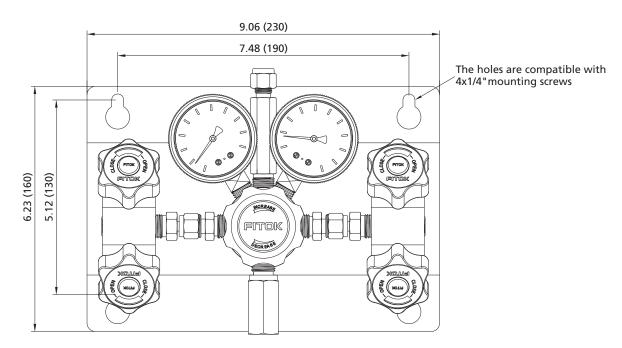
Flow Schematic



Dimensions

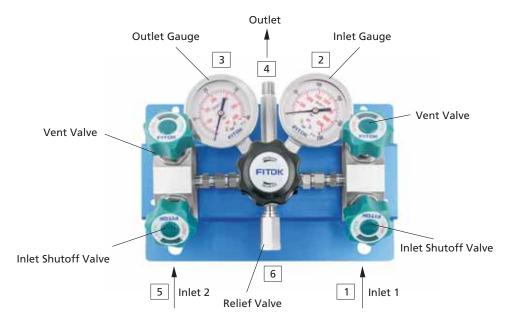
Dimensions, in inches (millimeters), are for reference only.







Components Introduction



Part Number Description

