

Pressure Control Panels



Gas Control Equipment

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Gas Control Equipment

Related Products

Technical References

Pressure Control Panels

FSR-1 Series

Features

- ⦿ With a FCR-1 Series Regulator
- ⦿ With vent valves to relieve residual pressure quickly, easy and safe to remove and replace gas source
- ⦿ With special cleaning and packaging, applicable to oxygen-enriched atmospheres

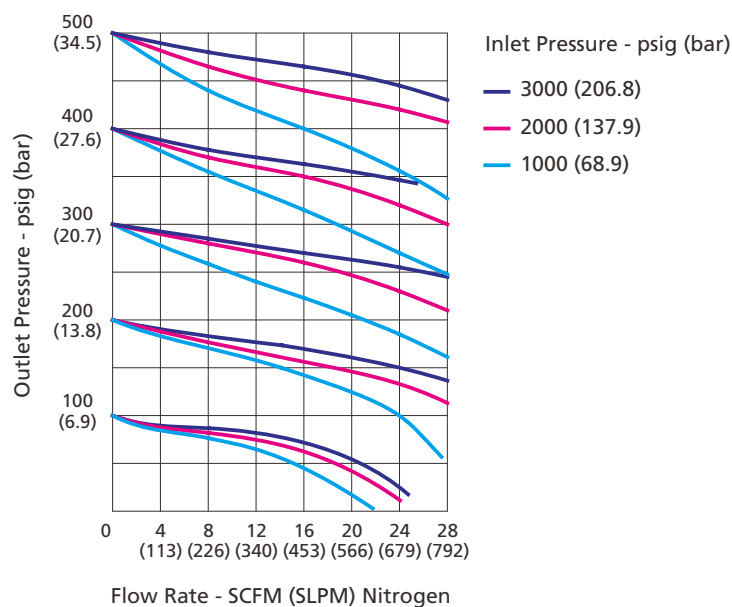
Technical Data

- ⦿ 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), cobalt alloy (diaphragm valve)
 Diaphragm valve body: 316L SS
 Filter: 316L SS
- ⦿ Temperature: -10 °F ~ 150 °F (-23 °C ~ 65 °C)
- ⦿ Valve leak rates (helium):
 Internal: $\leq 1 \times 10^{-7}$ std cm³/s
 External: $\leq 1 \times 10^{-9}$ std cm³/s
- ⦿ Flow coefficient (regulator Cv): 0.06

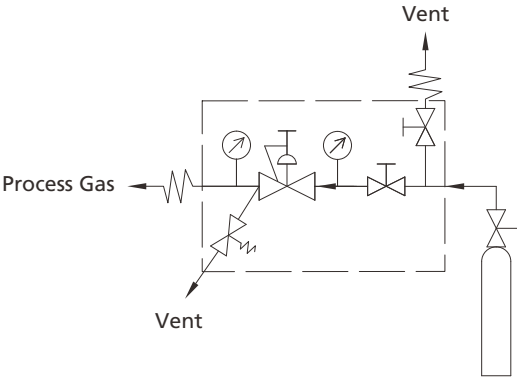


Model: FSR-16L-45-100-00-B-B-00-R-P

Typical Flow Chart

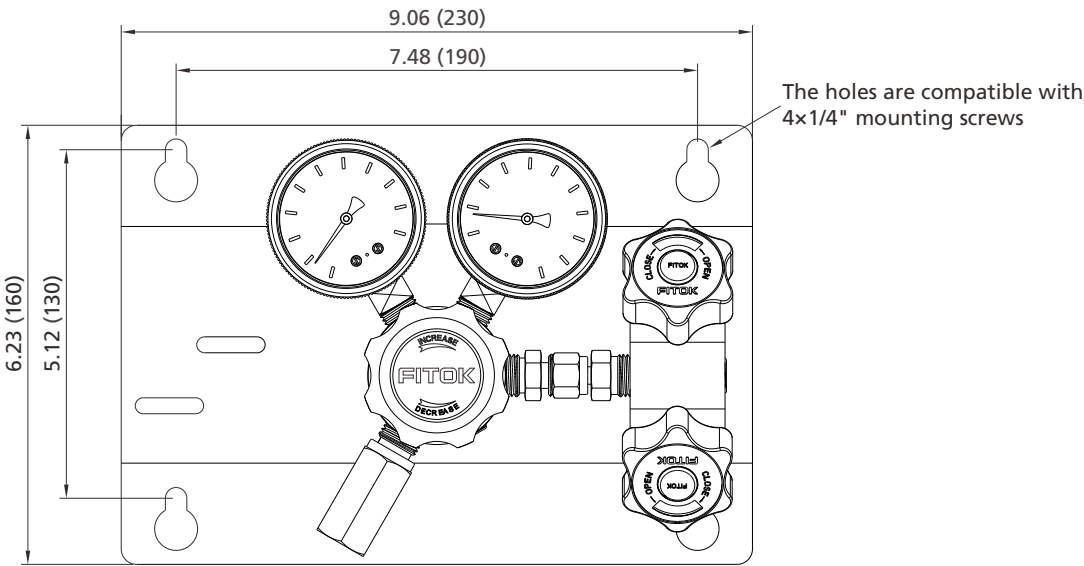
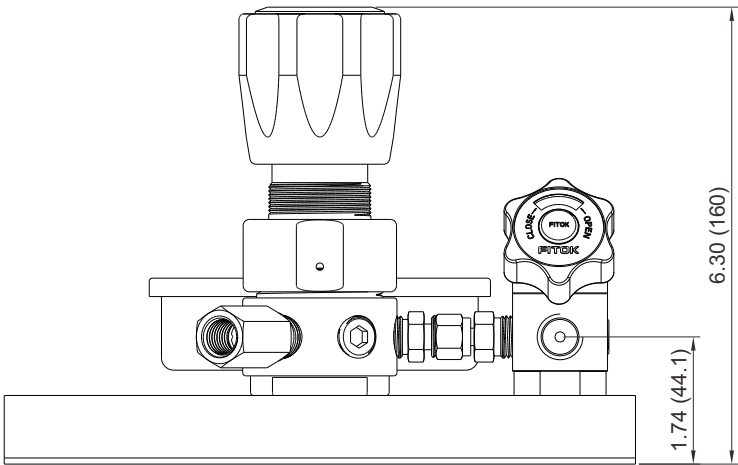


Flow Schematic

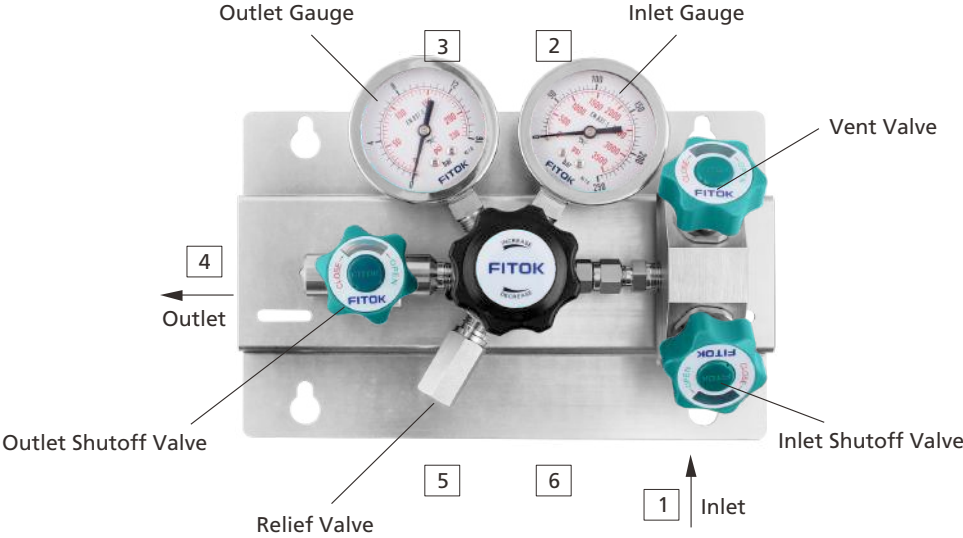


Dimensions

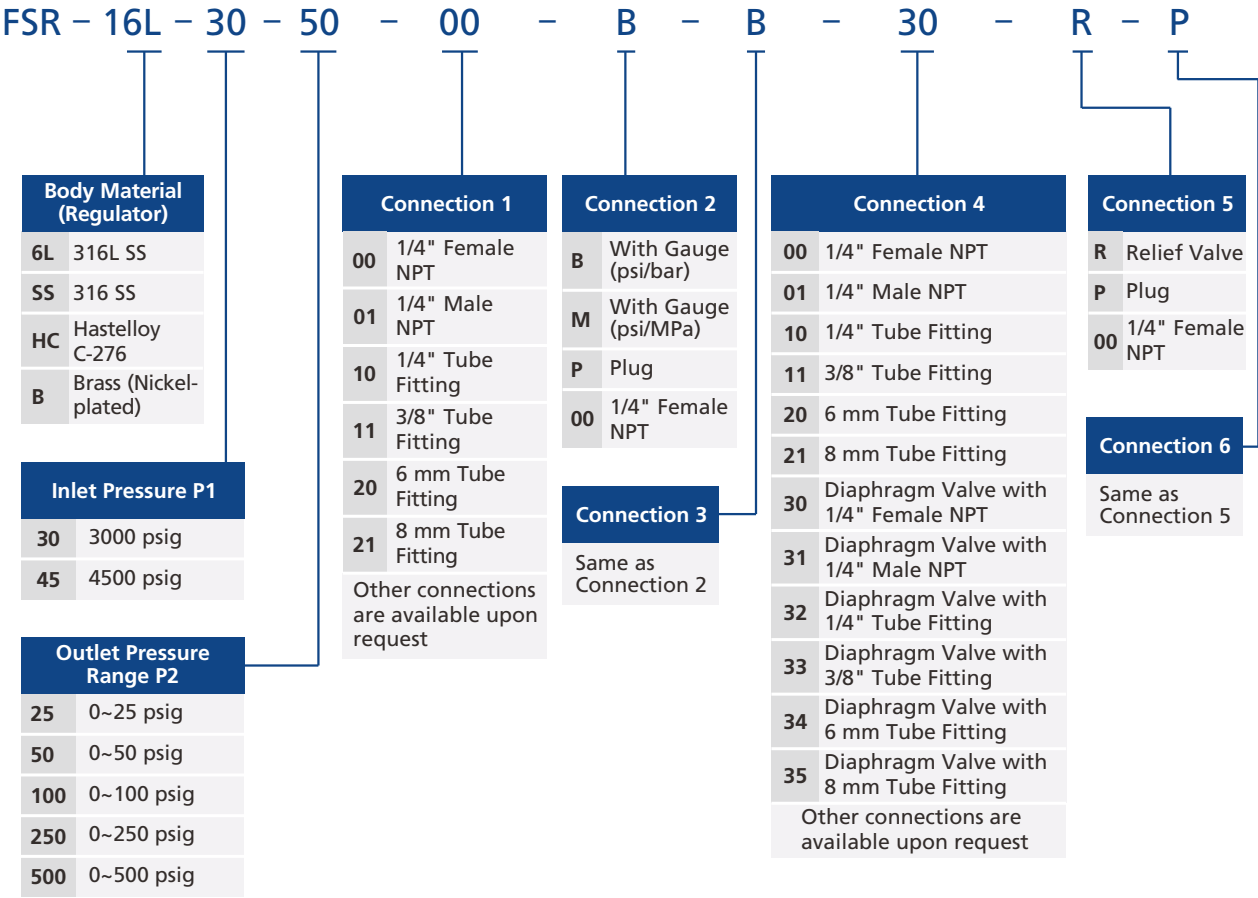
Dimensions, in inches (millimeters), are for reference only.



Components Introduction



Ordering Number Description



- Notes:
1. "Ordering Number Description" is a reference to understand the combination rules of FITOK product part number.
Not all combinations are available.
 2. Before ordering, please read **User's Guide** on A-12.

Pressure Control Panels

FSR-2 Series

Features

- With a FCR-2 Series Regulator
- With vent valves to relieve residual pressure quickly, easy and safe to remove and replace gas source
- With special cleaning and packaging, applicable to oxygen-enriched atmospheres

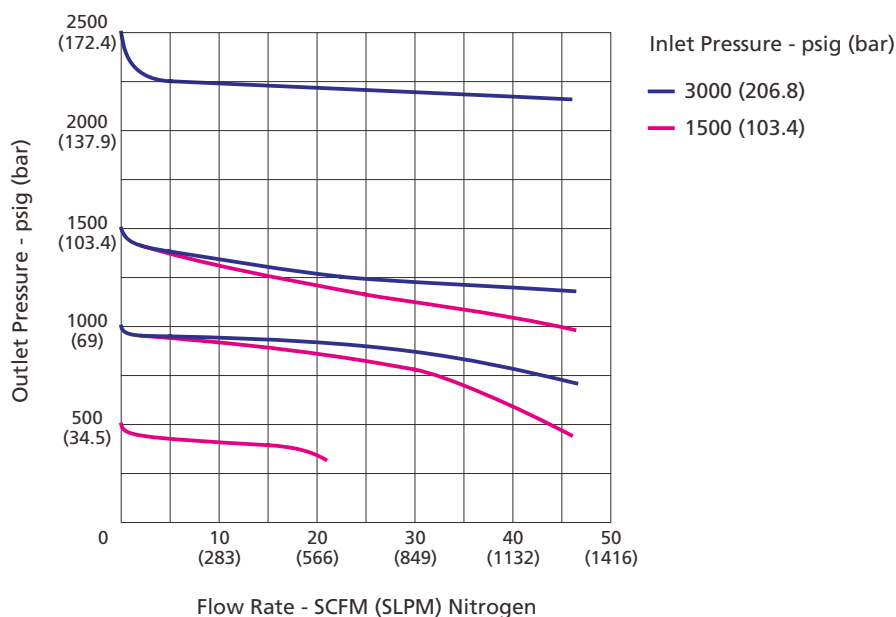
Technical Data

- Maximum inlet pressure: 3000 or 4500 psig
- Outlet pressure range: 0 ~ 750, 0 ~ 1500 or 0 ~ 2500 psig
- Material of the internal components:
Without venting Model: Main seat PCTFE
Venting Model: Main seat PEEK, vent seat PCTFE
Vent seat: PCTFE
Piston: 316L SS
O-ring: FKM or FFKM
Filter: 316L SS
- Temperature: -10 °F ~ 150 °F (-23 °C ~ 65 °C)
- Leak rates:
Internal: Bubble-tight
External: Bubble-tight
- Flow coefficient (regulator Cv):
Without vent: 0.06
With vent: 0.1

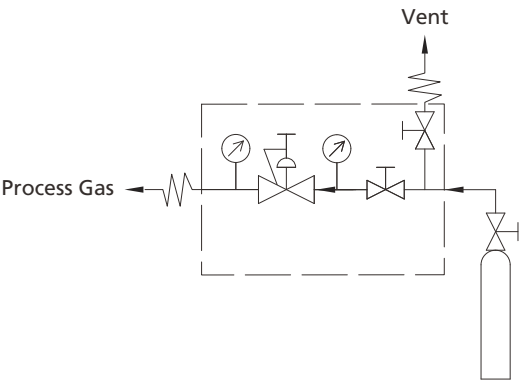


Model: FSR-2Z6L-45-750-00-B-B-00-P-P

Typical Flow Chart

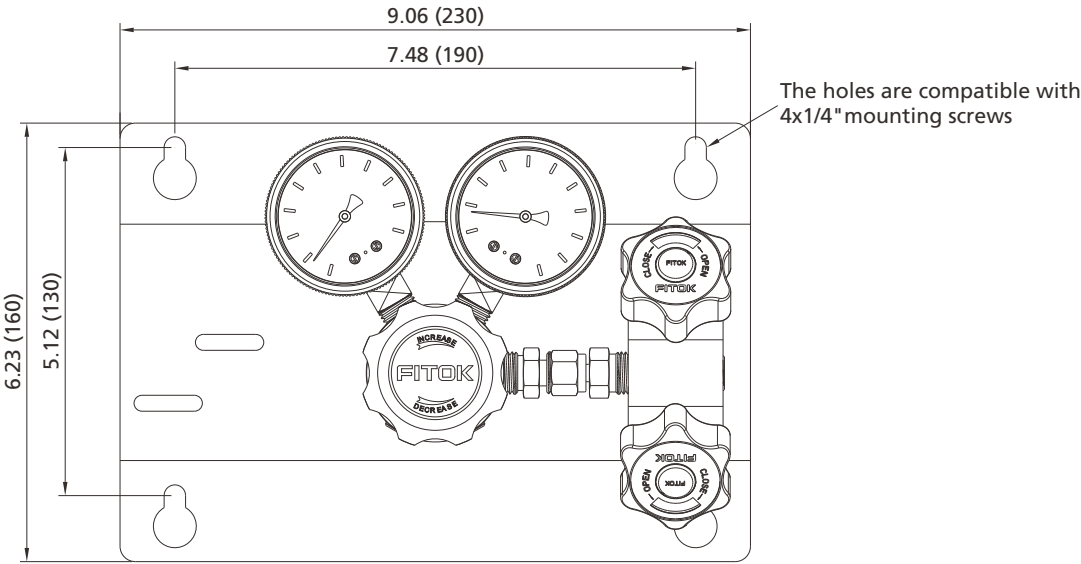
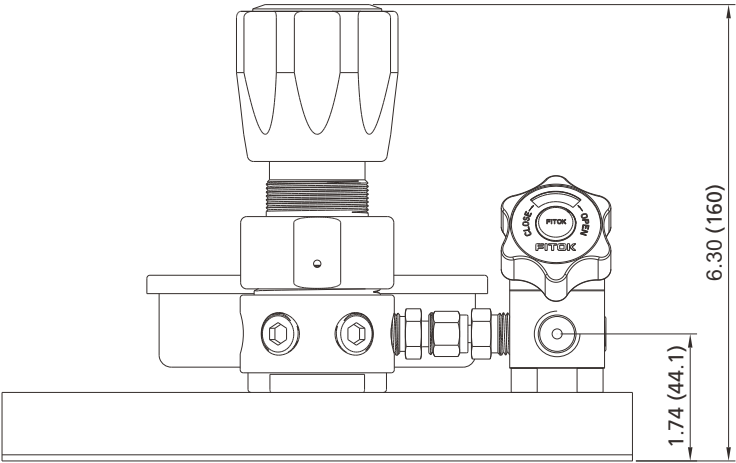


Flow Schematic

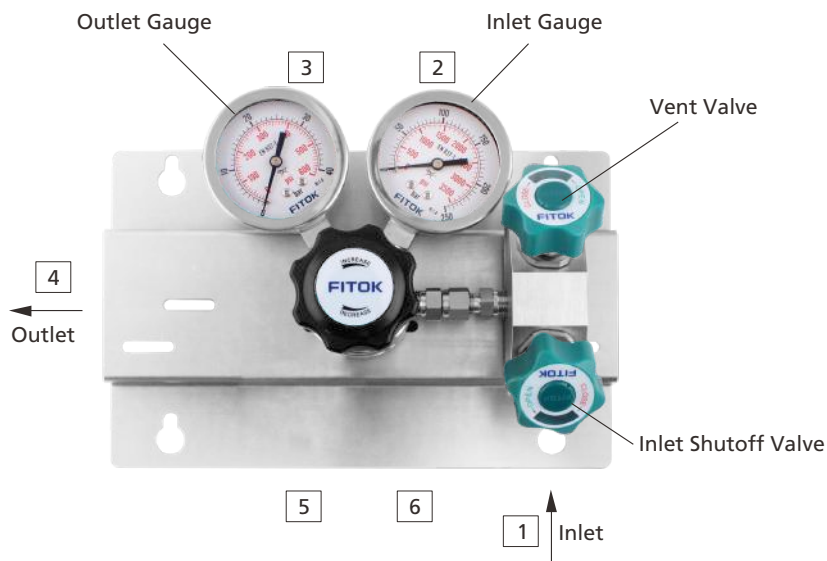


Dimensions

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



Components Introduction



Ordering Number Description

FSR		-	2V	Z	6L	-	30	-	1500	-	00	-	B	-	B	-	30	-	P	-	P
Vent Option																					
Without																					
With			V																		
O-ring Material																					
FKM																					
FFKM				Z																	
Body Material (Regulator)																					
316L SS					6L																
316 SS					SS																
Brass (Nickel-plated)					B																
Inlet Pressure P1																					
3000 psig						30															
4500 psig						45															
Outlet Pressure Range P2																					
0~750 psig							750														
0~1500 psig							1500														
0~2500 psig							2500														
Connection 1																					
1/4" Female NPT							00														
1/4" Male NPT							01														
1/4" Tube Fitting							10														
3/8" Tube Fitting							11														
6 mm Tube Fitting							20														
8 mm Tube Fitting							21														
Other connections are available upon request																					
Connection 2																					
With Gauge (psi/bar)							B														
With Gauge (psi/MPa)							M														
Plug							P														
1/4" Female NPT							00														
Connection 3																					
Same as Connection 2																					
Connection 4																					
1/4" Female NPT							00														
1/4" Male NPT							01														
1/4" Tube Fitting							10														
3/8" Tube Fitting							11														
6 mm Tube Fitting							20														
8 mm Tube Fitting							21														
Diaphragm Valve with 1/4" Female NPT							30														
Diaphragm Valve with 1/4" Male NPT							31														
Diaphragm Valve with 1/4" Tube Fitting							32														
Diaphragm Valve with 3/8" Tube Fitting							33														
Diaphragm Valve with 6 mm Tube Fitting							34														
Diaphragm Valve with 8 mm Tube Fitting							35														
Other connections are available upon request																					
Connection 5																					
Relief Valve							R														
Plug							P														
1/4" Female NPT							00														
Connection 6																					
Same as Connection 5																					

- Notes:
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 2. Before ordering, please read **User's Guide** on A-12.