

Point-of-Use Panels



Contents

General Point-of-use Panels	
FPR-1 Series	A-125
Sensitive Point-of-use Panels	
FPR-1S Series	A-128

General Point-of-Use Panels

FPR-1 Series

Features

- With a RDGC Series Regulator.
- With diaphragm valve to cut off the gas supply.
- With special cleaning and packaging, applicable to oxygen-enriched atmospheres.

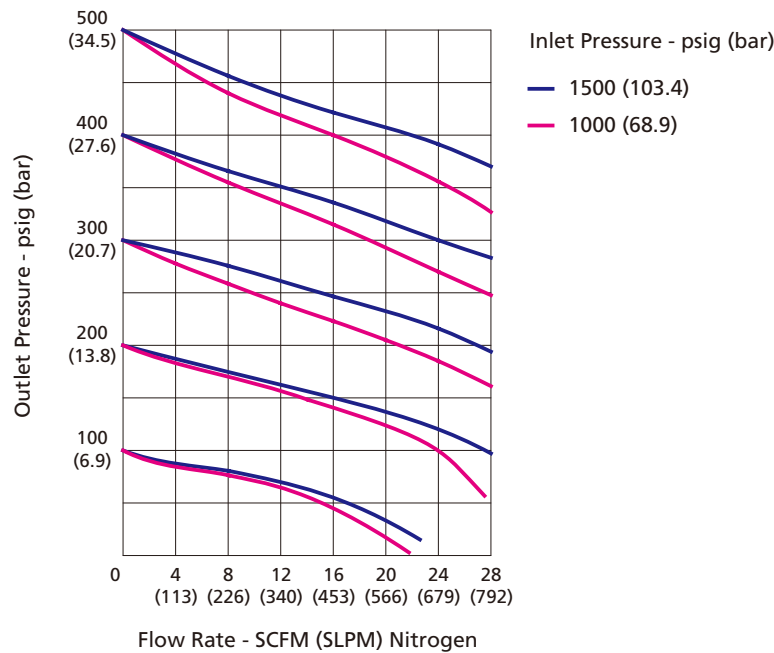
Technical Data

- Maximum inlet pressure: 1500 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): 0.14



Model: FPR-1U6L-15-50-11-B-11

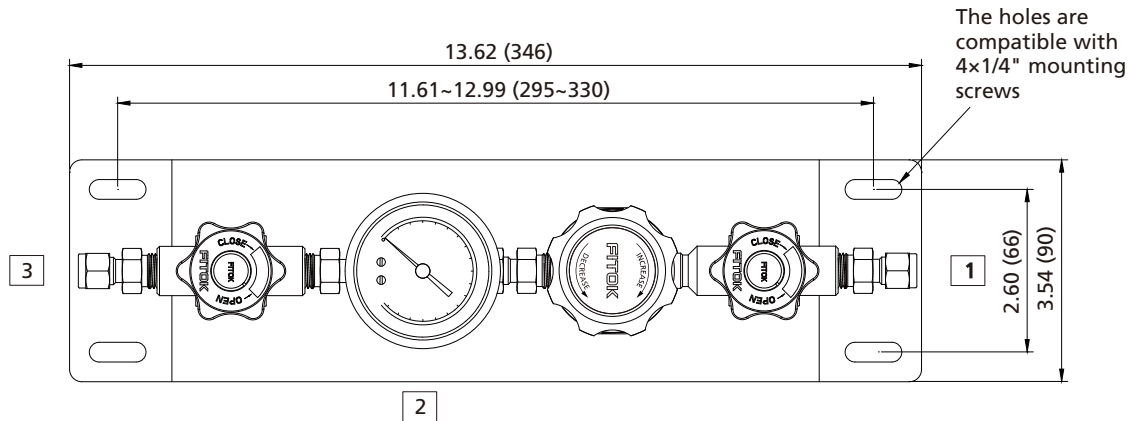
Typical Flow Chart



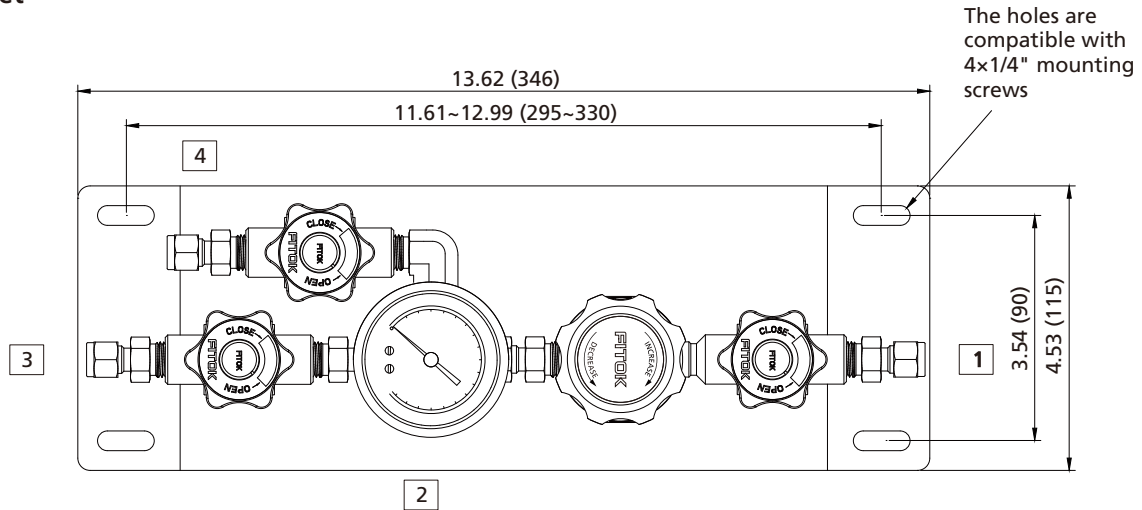
Dimensions

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

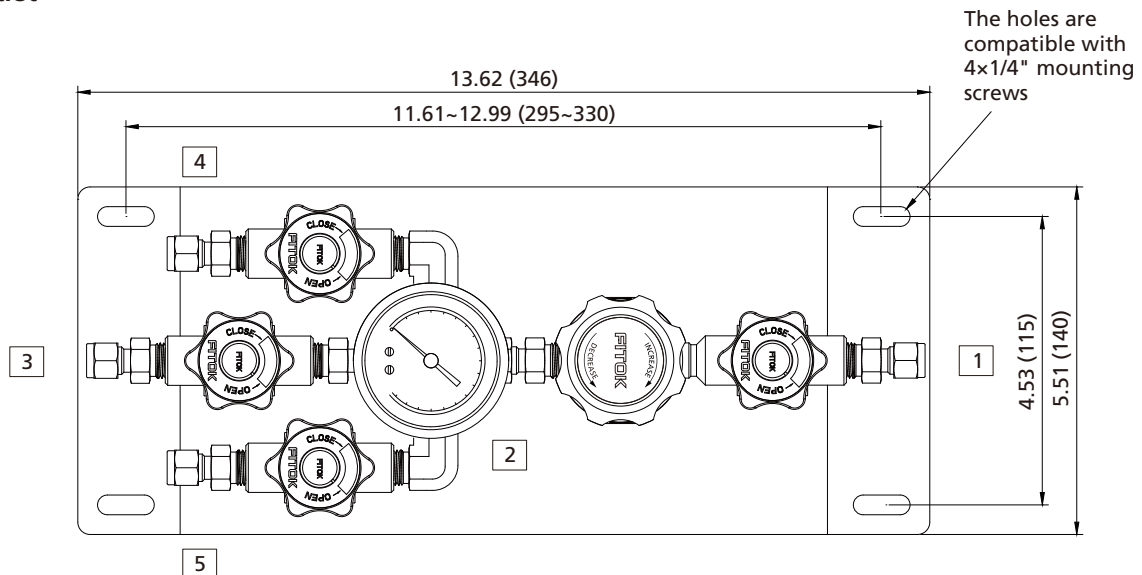
Single-outlet



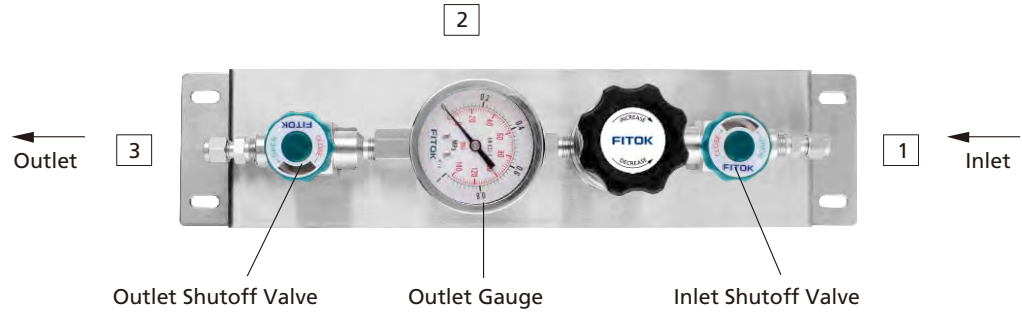
Dual-outlet



Triple-outlet



Components Introduction



Ordering Number Description

FPR – 1C 6L – 15 – 100 – 10 – M – 10 – 00 – 00													
Outlet Option		Inlet Pressure P1		Connection 1		Connection 2		Connection 3		Connection 4			
U	Single-outlet	15	1500 psig	00	1/4 Female NPT	B	With Gauge (psi/bar)	Same as Connection 1		None			
T	Dual-outlet	Outlet Pressure Range P2		01	1/4 Male NPT	M	With Gauge (psi/MPa)	Same as Connection 1		Same as Connection 1			
C	Triple-outlet			10	1/4" Tube Fitting	P	Plug			Same as Connection 1			
Body Material (Regulator)				11	3/8" Tube Fitting	00	1/4 Female NPT			None			
				20	6 mm Tube Fitting	Other connections are available upon request				Same as Connection 1			
				21	8 mm Tube Fitting								
				Connection 5									
6L	316L SS	25	0~25 psig					None					
SS	316 SS	50	0~50 psig					Same as Connection 1					
HC	Hastelloy C-276	100	0~100 psig										
B	Brass (Nickel-plated)	250	0~250 psig										
		500	0~500 psig										

- 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-13.
Examples of part number:
 - a. 2-port type (1 in, 1 out): FPR-1U6L-15-50-11-B-11
 - b. 3-port type (1 in, 2 out): FPR-1TSS-15-100-00-B-00-00
 - 3. When the part number contains "B" or "M", a GC series pressure gauge is configured by default.

Sensitive Point-of-Use Panels

FPR-1S Series

Features

- With a RDSC Series sensitive diaphragm regulator.
- With diaphragm valve to cut off the gas supply.
- With special cleaning and packaging, applicable to oxygen-enriched atmospheres.

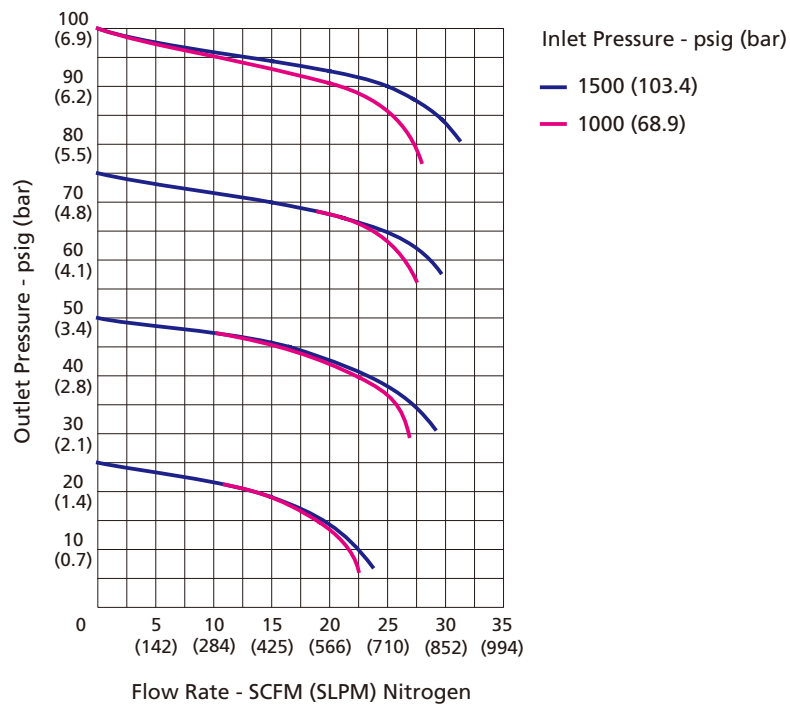
Technical Data

- Maximum inlet pressure: 1500 psig
- Outlet pressure range: 0 ~ 25, 0 ~ 50, 0 ~ 100, 0 ~ 150 or 0 ~ 200 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: FPR-1SUSS-15-50-10-B-10

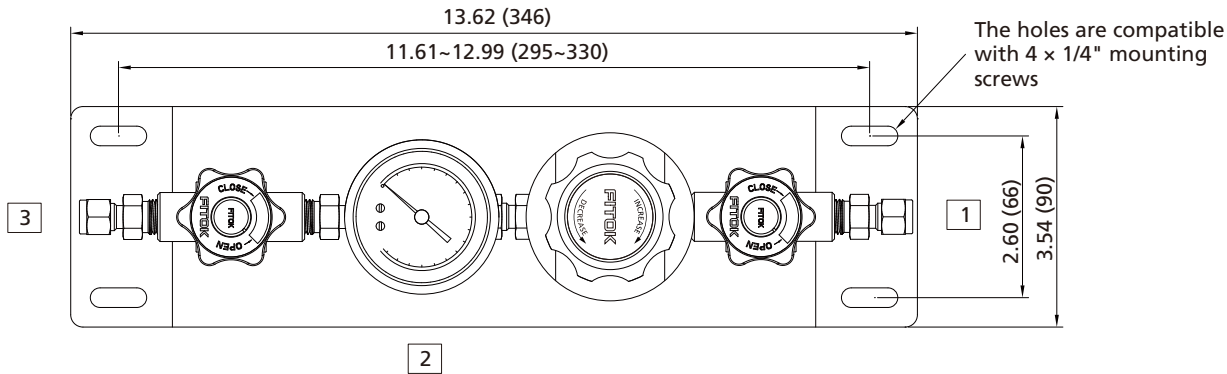
Typical Flow Chart



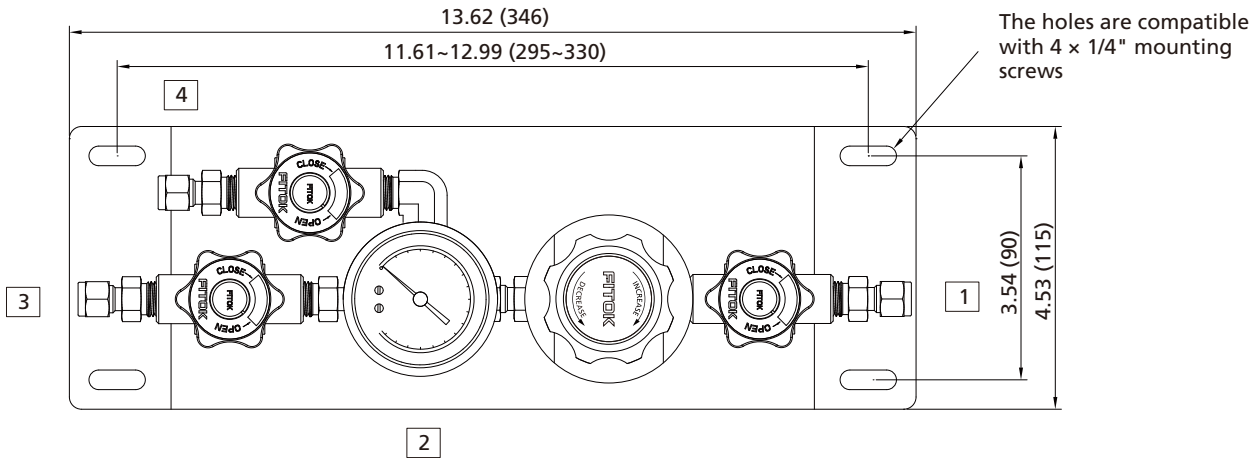
Dimensions

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

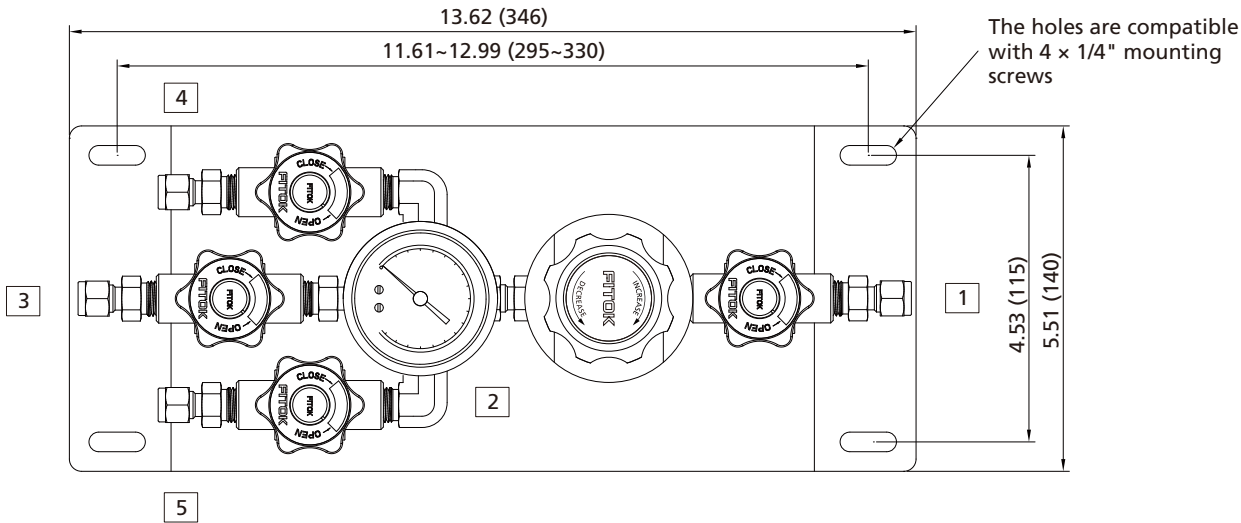
Single-outlet



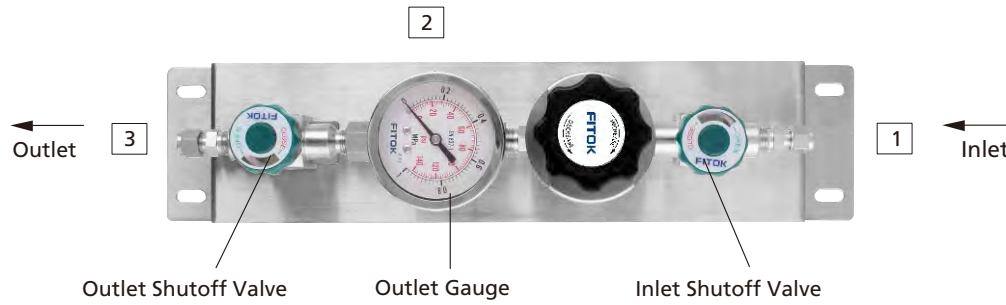
Dual-outlet



Triple-outlet



Components Introduction



Ordering Number Description

FPR – 1SC 6L – 15 – 100 – 10 – M – 10 – 00 – 00					
Outlet Option	Inlet Pressure P1	Connection 1	Connection 2	Connection 3	Connection 4
U Single-outlet	15 1500 psig	00 1/4 Female NPT	B With Gauge (psi/bar)	Same as Connection 1	None
T Dual-outlet		01 1/4 Male NPT	M With Gauge (psi/MPa)		Same as Connection 1
C Triple-outlet		10 1/4" Tube Fitting	P Plug		
Body Material (Regulator)	Outlet Pressure Range P2				Connection 5
6L 316L SS	25 0~25 psig	11 3/8" Tube Fitting	00 1/4 Female NPT		None
SS 316 SS	50 0~50 psig	20 6 mm Tube Fitting			Same as Connection 1
B Brass	100 0~100 psig	21 8 mm Tube Fitting			
	150 0~150 psig	Other connections are available upon request			
	200 0~200 psig				

Notes:

- "Ordering Number Description" is a reference to understand the combination rules of FITOK product part number.
Not all combinations are available.
- Before ordering, please read **User's Guide** on A-13.
Examples of part number:
 - 2-port type (1 in, 1 out): FPR-1SU6L-15-25-00-B-20
 - 3-port type (1 in, 2 out): FPR-1STB-15-200-10-M-10-10
- When the part number contains "B" or "M", a GC series pressure gauge is configured by default.