

Medium Flow Pressure Reducing Regulator

PM Series

PM series, single-stage diaphragm construction, stainless steel diaphragm pressure transmission, output stability, are mainly used in the gas systems with medium flow.

Features

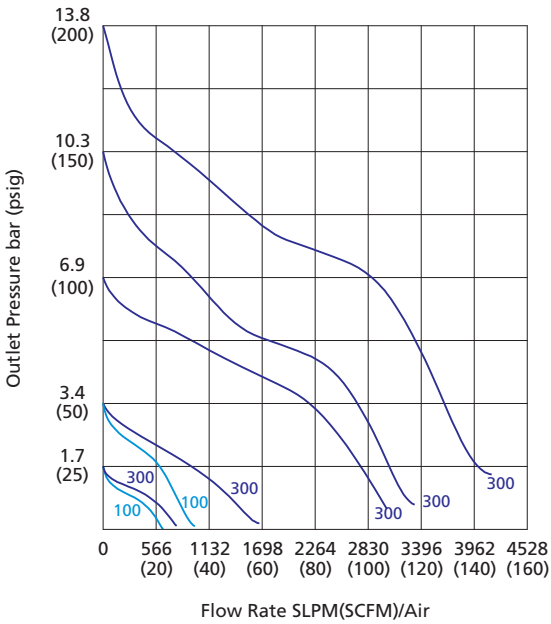
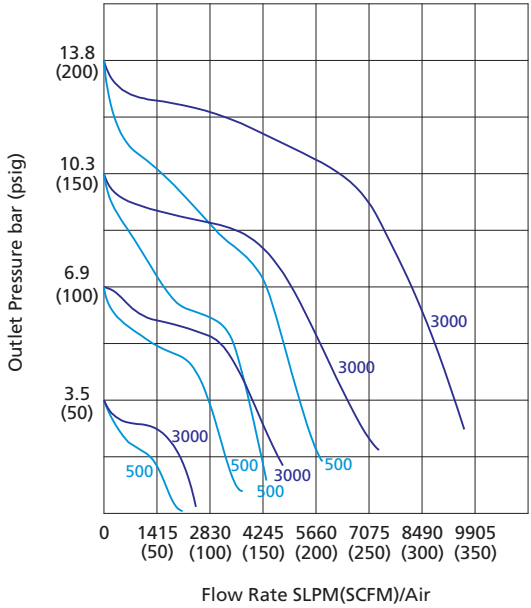
- Low cost 316 stainless steel or brass body
- Large diameter convoluted diaphragm for increased pressure sensitivity
- Metal-to-metal diaphragm seal
- Large flow, minimal droop
- Panel mounting available

Technical Data

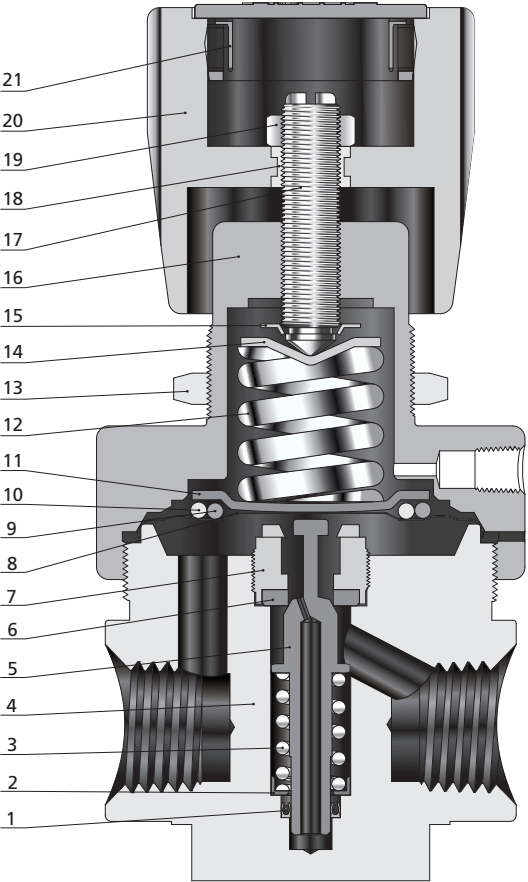
- Maximum inlet pressure: 500, 3000 psig
- Outlet pressure ranges: 0~25, 0~50, 0~100, 0~150, 0~200 psig
- Flow coefficient (Cv): 1.0
- Working temperature: -40°F~+140°F (-40°C~+60°C)
- Leak rate:
 - Internal: Bubble-tight
 - External: $\leq 2 \times 10^{-8}$ atm · cc/sec He
- Weight: ≈ 3.52 lbs (1.6 Kg)
- Ports: Inlet, Outlet — 1/2" Female NPT
 - Gauge, Relief valve — 1/4" Female NPT



Flow Charts



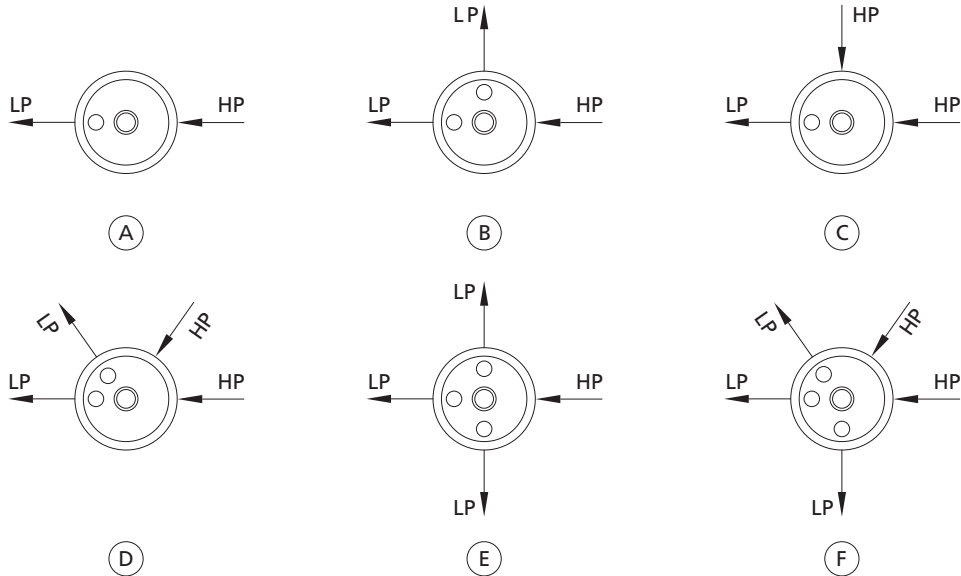
Normal Materials of Construction



Component		Material Grade/ASTM Specification
1	Omniseal	PTFE+Stainless steel spring
2	Spring washer	316L SS/A276
3	Poppet spring	316L SS/A313
4	Body	316L SS/A479
5	Lift poppet	316L SS/A276
6	Seat	PCTFE/D1430
7	Seat retainer	316L SS/A276
8	Diaphragm	316L SS/A240
9	O-ring	PTFE/D1710
10	O-ring	PTFE/D1710
11	Stop plate	304 SS/A240
12	Range spring	Alloy
13	Mounting nut	304 SS/A276
14	Spring button	304 SS/A240
15	Lock ring	304 SS/A240
16	Bonnet	304 SS/A479
17	Stem	C36000/B16
18	Embedded nut	C36000/B16
19	Stem nut	C36000/B16
20	Knob handle	ABS
21	Hole plug	ABS

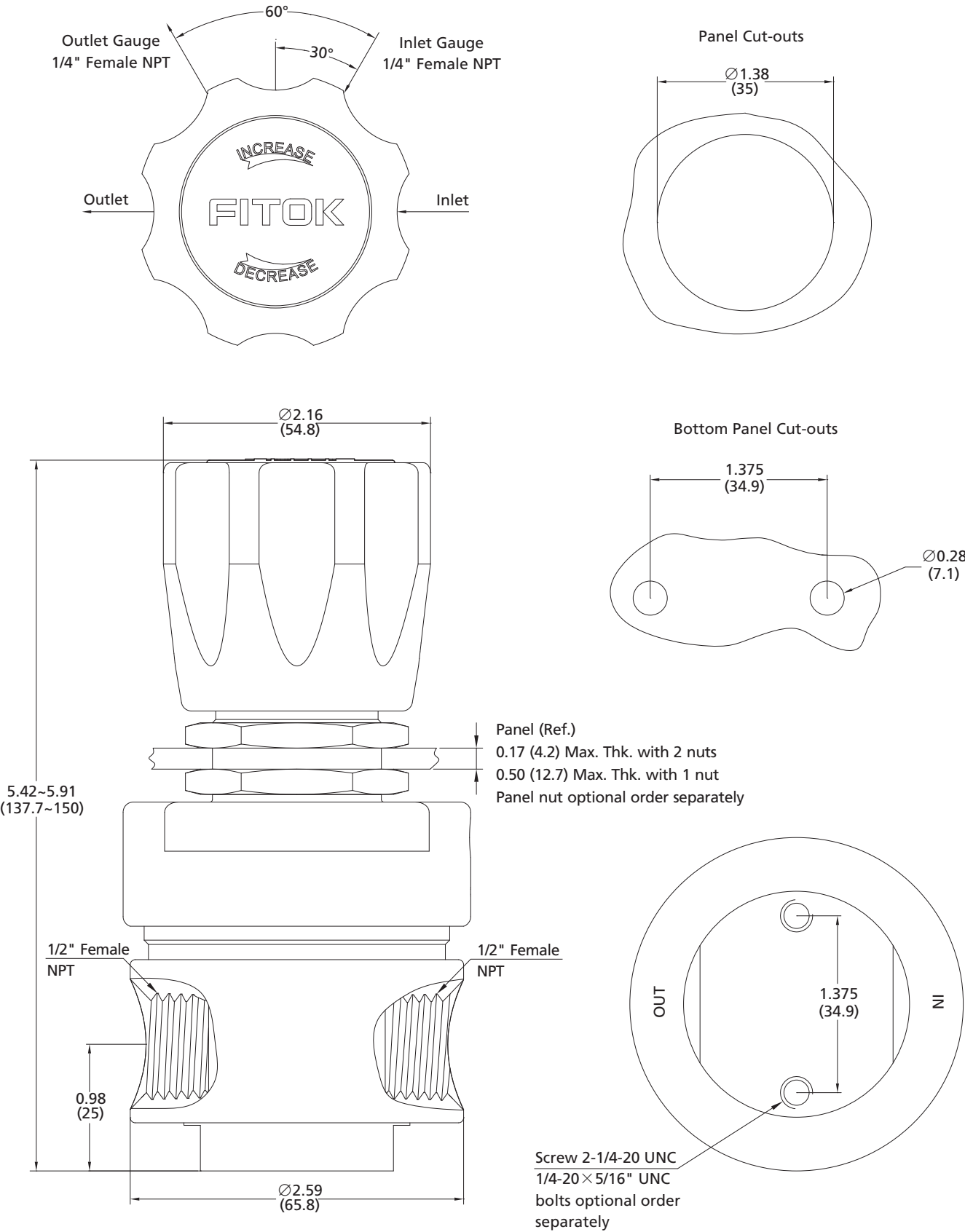
Porting Configurations

6 Types: A, B, C, D, E, F, inlet and outlet ports in horizontal direction are 1/2" Female NPT, the other ports are 1/4"Female NPT.
HP: High pressure inlet LP: Low pressure outlet



Dimensions

Dimensions, in. (mm), are for reference only and are subject to change.



Ordering Number



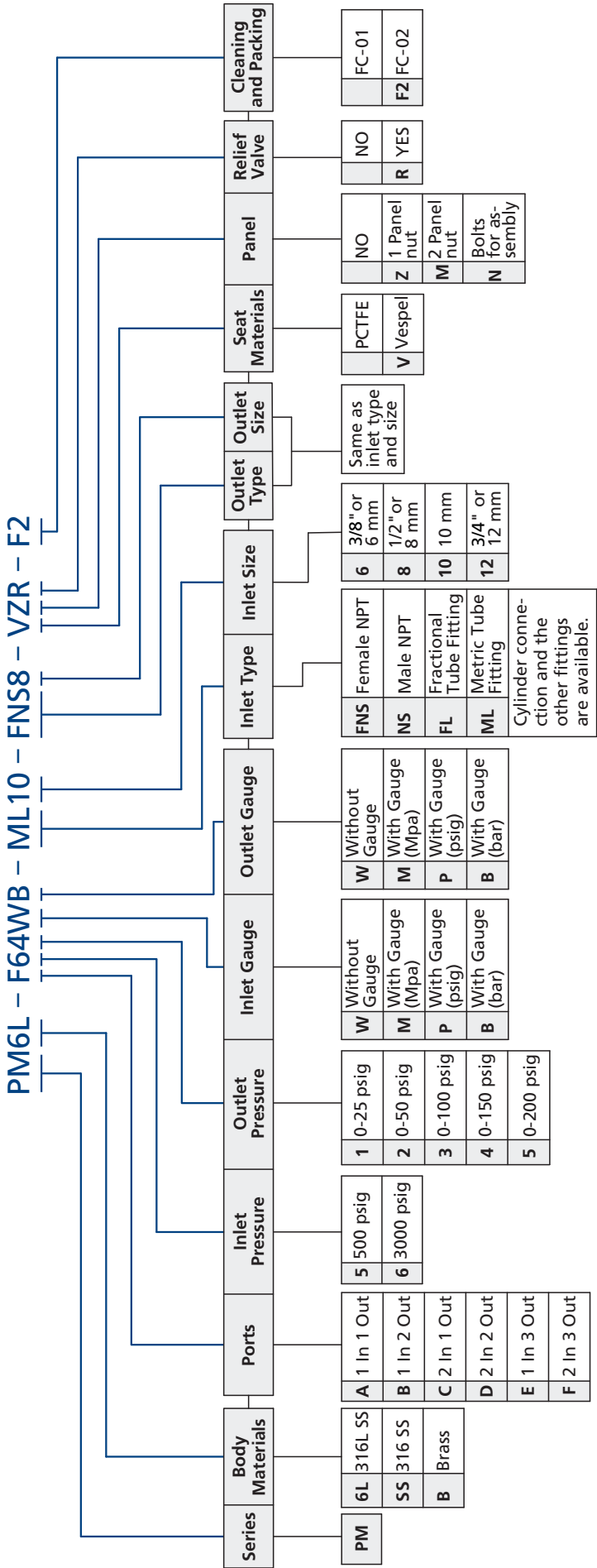
Basic Ordering Number	Porting Configurations	Cv	Max. Inlet Pressure (psig)	Outlet Pressure Range (psig)
PM□□-F64BB-G10C-ML12-R	F	1.0	3000	0~150
PM□□-F63PP-G10CLH-FL8-R				0~100
PM□□-F61PP-G10-FNS8-R-F2				0~25

Basic Ordering Number	Porting Configurations	Cv	Max. Inlet Pressure (psig)	Outlet Pressure Range (psig)
PM□□-D65MM-FL8-ML12	D	1.0	3000	0~200
PM□□-D52PP-FL10-FNS8-N			500	0~50
PM□□-F54BB-FNS8-R	F			0~150

Basic Ordering Number	Porting Configurations	Cv	Max. Inlet Pressure (psig)	Outlet Pressure Range (psig)
PM□□-A61WW-FNS8-M	A	1.0	3000	0~25
PM□□-B64WB-FL10-ML14	B			0~150
PM□□-C52MW-FNS8-N	C		500	0~50
PM□□-E63WP-FNS8-FNS6-R	E		3000	0~100

Note: The others are available, please contact FITOK group or authorized agents for the others.

Part Number Description



- Note:
- "Part Number Description" is used for composition rules of FITOK product model, not suitable for specific product part number selection, not random combinations;
 - The ports from body are according to the porting configuration , the other port types and sizes could be chosen with adapter, for further detail, please contact FITOK group or authorized agents;
 - Gauge configurations description for regulator:
Pay attention to the ordering number cause the ports from body for gauges are one part of the total number.
For further detail, please read the stylebook of gauge or contact FITOK group;
 - Cleaning and Packing:
FC-01: Normal industry standard cleaning and packaging.
FC-02: Special cleaning and packaging, following ASTM G93 level C.