

Compact Pressure Reducing Regulator

PR Series

PR series, single-stage diaphragm construction, stainless steel diaphragm pressure transmission, output stability, applied to pure gases, corrosive gases and non-corrosive gases.

Features

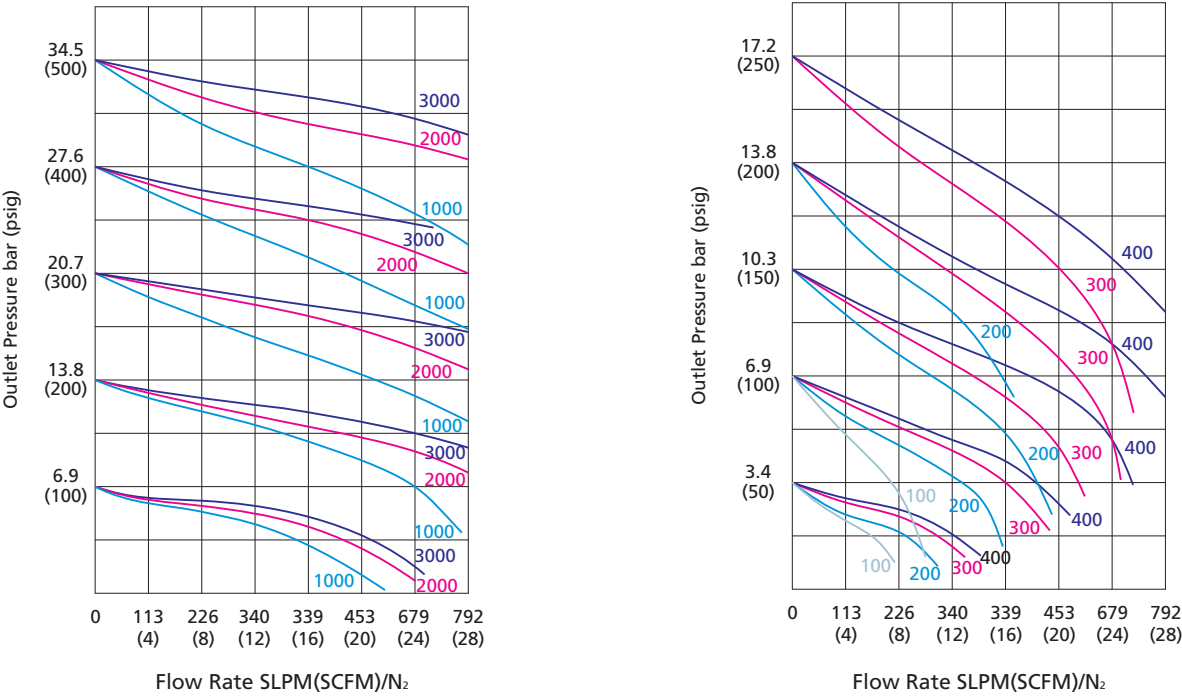
- ⦿ Compact
- ⦿ Low cost 316 stainless steel or brass body
- ⦿ Convuluted diaphragm provides accurate pressure adjustment
- ⦿ Metal-to-metal diaphragm seal
- ⦿ Spring loaded pressure reducing regulator
- ⦿ A filter installed in inlet
- ⦿ Panel mounting available

Technical Data

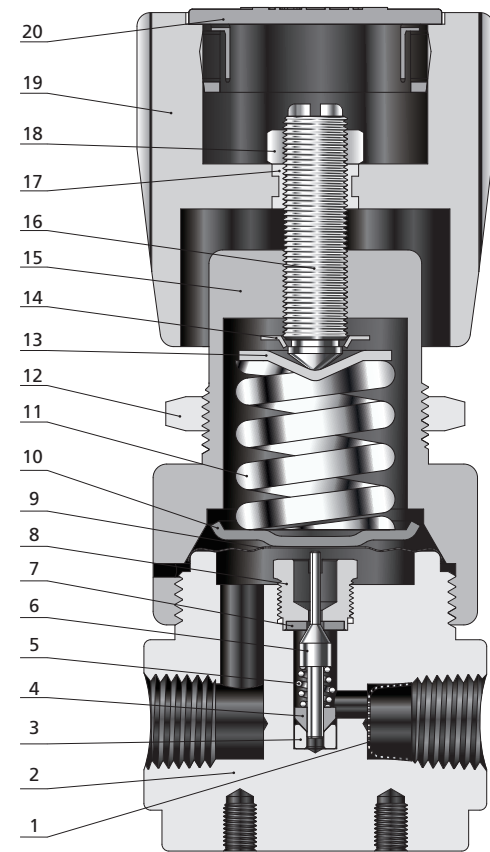
- ⦿ Maximum inlet pressure: 500, 3000 psig
- ⦿ Outlet pressure ranges: 0~25, 0~50, 0~100, 0~250, 0~500 psig
- ⦿ Flow coefficient (Cv):
500 psig Inlet pressure: 0.15
3000 psig Inlet pressure: 0.06
- ⦿ Working temperature: -40°F~+165°F (-40°C~+74°C)
- ⦿ Leak rate:
Internal: Bubble-tight
External: $\leq 2 \times 10^{-8}$ atm · cc/sec He
- ⦿ Weight: ≈ 1.98 lbs (0.9 Kg)
- ⦿ Ports: Inlet, Outlet, Gauge, Relief valve — 1/4" Female NPT



Flow Charts



Normal Materials of Construction

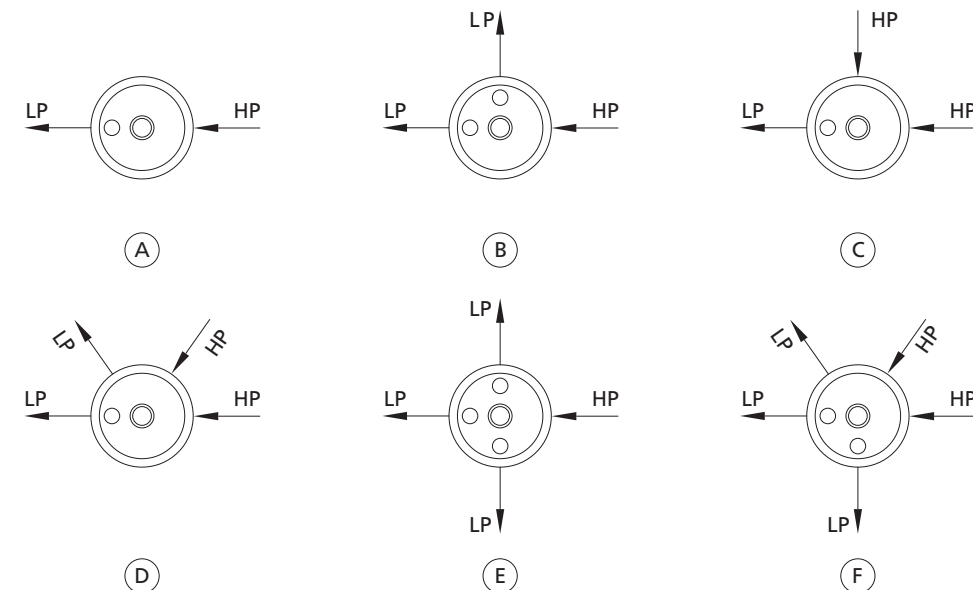


Component		Material Grade/ASTM Specification
1	Filter	316L SS
2	Body	316L SS/A479
3	Friction sleeve	316L SS/A276
4	Poppet damper	PTFE/D1710
5	Poppet spring	316L SS/A313
6	Lift poppet	316L SS/A276
7	Seat	PCTFE/D1430
8	Seat retainer	316L SS/A276
9	Diaphragm	316L SS/A240
10	Stop plate	304 SS/A240
11	Range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

Porting Configurations

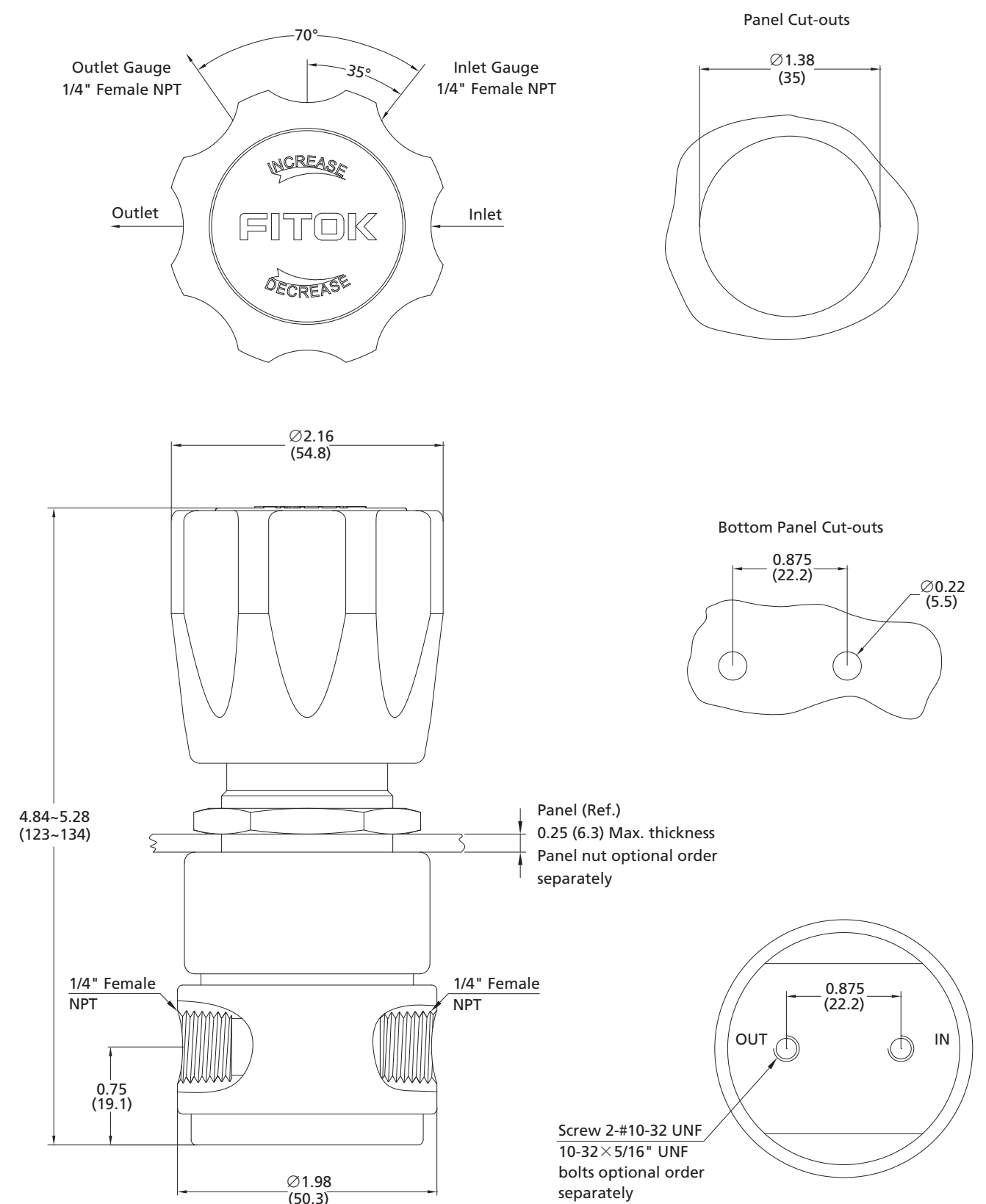
6 Types: A, B, C, D, E, F, all ports are 1/4" Female NPT.

HP: High pressure inlet LP: Low pressure outlet



Dimensions

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



Ordering Number



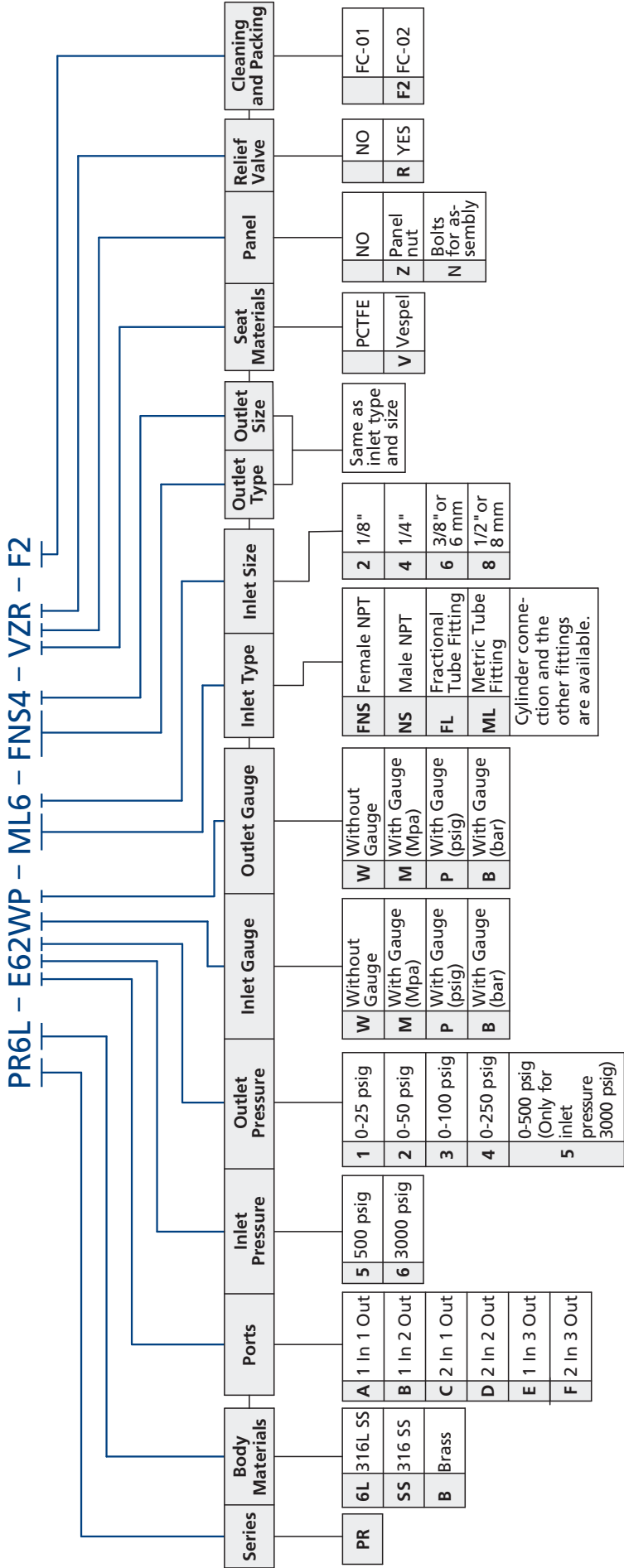
Basic Ordering Number	Porting Configurations	Cv	Max. Inlet Pressure (psig)	Outlet Pressure Range (psig)
PR□□-F64MM-G10C-FL4-R	F	0.06	3000	0~250
PR□□-F63PP-G10-FNS4-R-F2				0~100
PR□□-F62BB-G10CLH-ML6-R				0~50

Basic Ordering Number	Porting Configurations	Cv	Max. Inlet Pressure (psig)	Outlet Pressure Range (psig)
PR□□-D64MM-FL4-N	D	0.06	3000	0~250
PR□□-D53BB-ML6-FNS4		0.15	500	0~100
PR□□-F62BP-FNS4-R	F	0.06	3000	0~50

Basic Ordering Number	Porting Configurations	Cv	Max. Inlet Pressure (psig)	Outlet Pressure Range (psig)
PR□□-A61WW-FNS4-Z	A	0.06	3000	0~25
PR□□-B63WB-FL4	B			0~100
PR□□-C52MW-FNS4-N	C	0.15	500	0~50
PR□□-E63WP-FNS4	E	0.06	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 1/4" Female NPT, the other port types and sizes could be chosen with adapters, 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.