

Two - stage Pressure Reducing Regulator

PD Series

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

Features

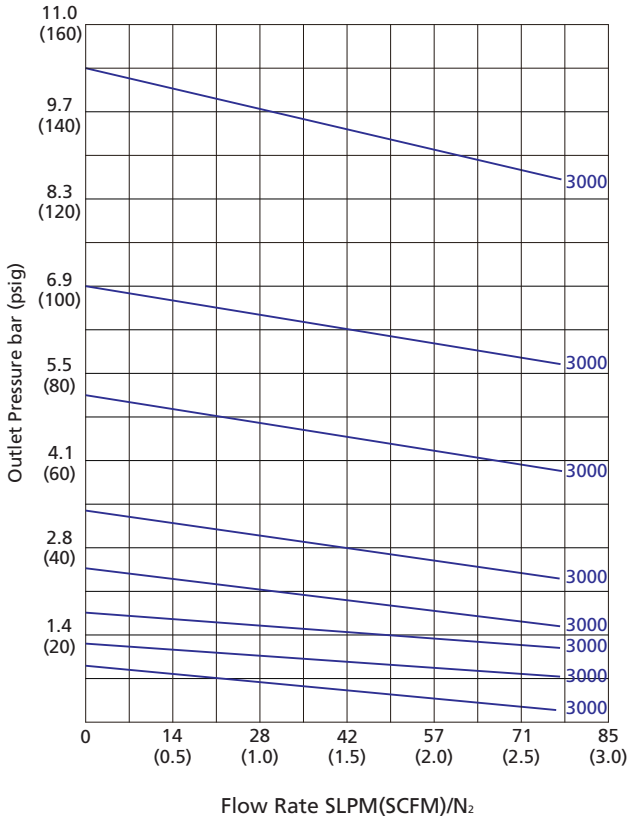
- ⦿ Accurate and stable outlet pressure
- ⦿ Two-stage pressure reducing construction
- ⦿ Diaphragms are convoluted for greater accuracy and sensitivity
- ⦿ Filter installed in inlet
- ⦿ Panel mounting available

Technical Data

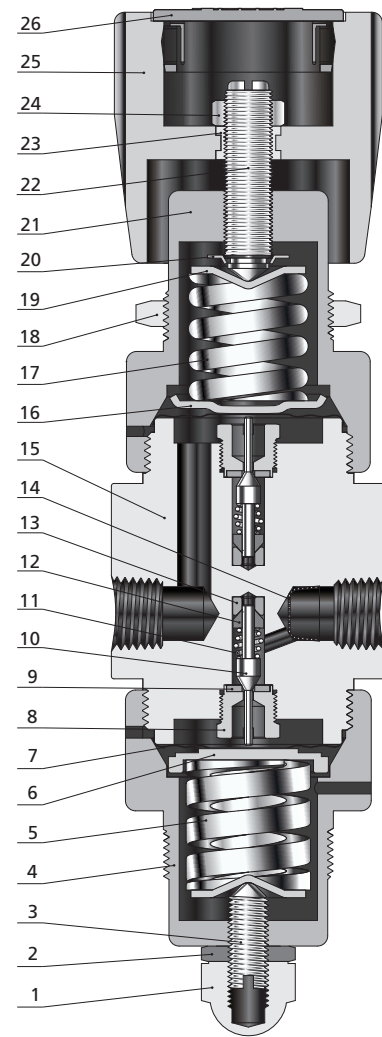
- ⦿ Maximum inlet pressure: 3000 psig
- ⦿ Outlet pressure ranges: 0~25, 0~50, 0~100, 0~150, 0~250 psig
- ⦿ Flow coefficient (Cv):0.05
- ⦿ Working temperature: -40°F~+165°F (-40°C~+74°C)
- ⦿ Leak rate:
 - Internal: Bubble-tight
 - External: $\leq 2 \times 10^{-8}$ atm · cc/sec He
- ⦿ Weight: ≈ 3.08 lbs (1.4 Kg)
- ⦿ Ports: Inlet, Outlet, Gauge, Relief valve — 1/4" Female NPT



Flow Charts



Normal Materials of Construction

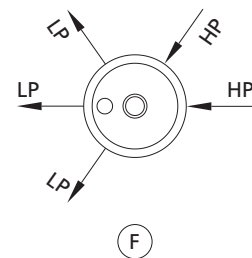
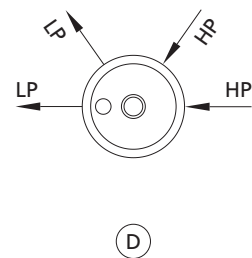


Component		Material Grade/ASTM Specification
1	Antitamper nut	304 SS/A276
2	Primary nut	304 SS/A276
3	Primary stem	304 SS/A276
4	Primary bonnet	304 SS/A276
5	Range spring	Alloy
6	Primary stop plate	304 SS/A276
7	Diaphragm	316L SS/A240
8	Seat retainer	316L SS/A276
9	Seat	PCTFE/D1430
10	Lift poppet	316L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

Porting Configurations

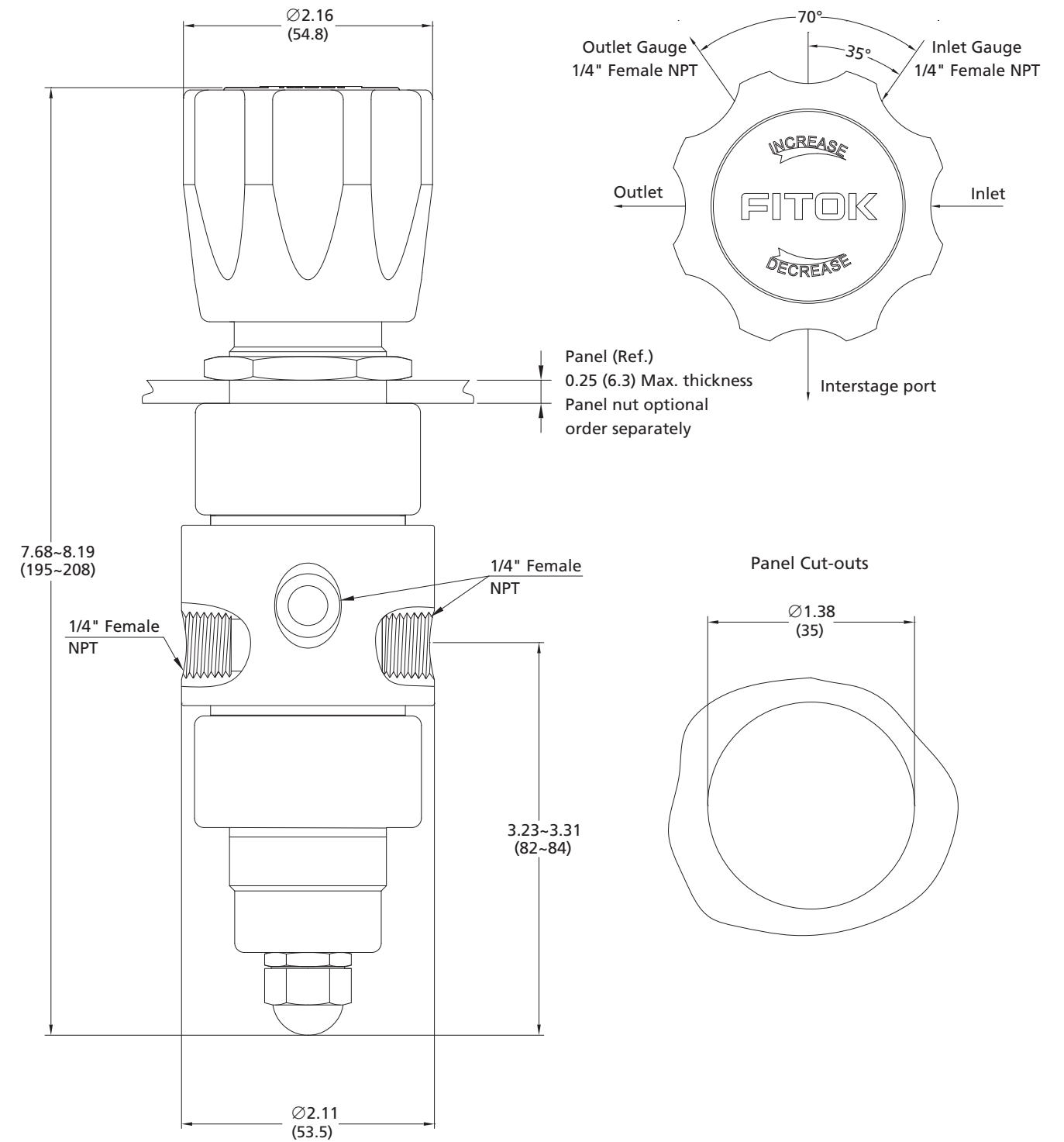
2 Type, all ports are 1/4" Female NPT.

HP: High pressure inlet LP: Low pressure outlet



Dimensions

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



Ordering Number



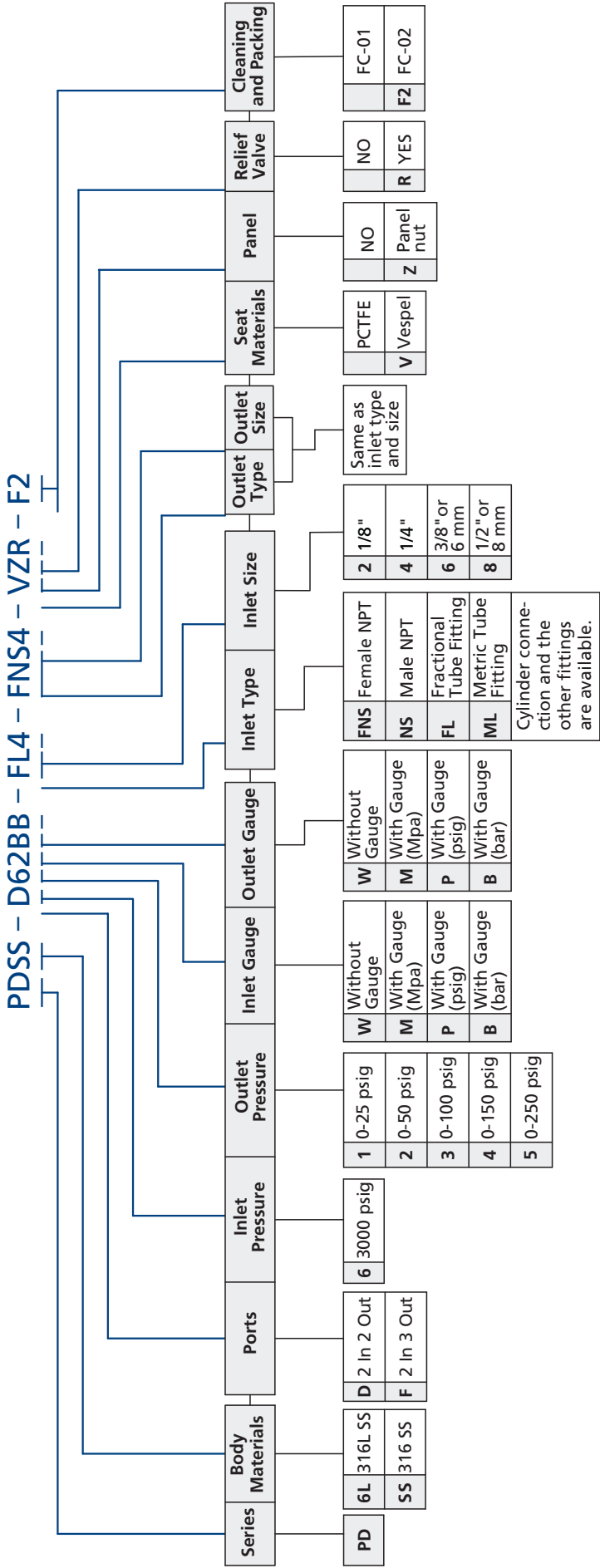
Basic Ordering Number	Porting Configurations	Cv	Max. Inlet Pressure (psig)	Outlet Pressure Range (psig)
PD□□-F64MM-G10C-FL4-R-F2	F	0.05	3000	0~150
PD□□-F63PP-G10-FNS4-R				0~100
PD□□-F62BB-G10CLH-ML6-R				0~50

Basic Ordering Number	Porting Configurations	Cv	Max. Inlet Pressure (psig)	Outlet Pressure Range (psig)
PD□□-D64MM-ML6	D	0.05	3000	0~150
PD□□-D65PP-FL4-FNS4				0~250
PD□□-F63BP-FNS4-R	F			0~100

Basic Ordering Number	Porting Configurations	Cv	Max. Inlet Pressure (psig)	Outlet Pressure Range (psig)
PD□□-D62WW-FNS4-Z	D	0.05	3000	0~50
PD□□-F61WW-FNS4-R	F			0~25
PD□□-D64WW-FL4	D			0~150

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;
 - For information of gauges, 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.