

General High Pressure Reducing Regulator

PH Series

The PH series is used for high pressure system, piston sensed construction, stability, applied to general gases, maximum 6000 psig inlet pressure and range of 0~2500 psig outlet pressure.

Features

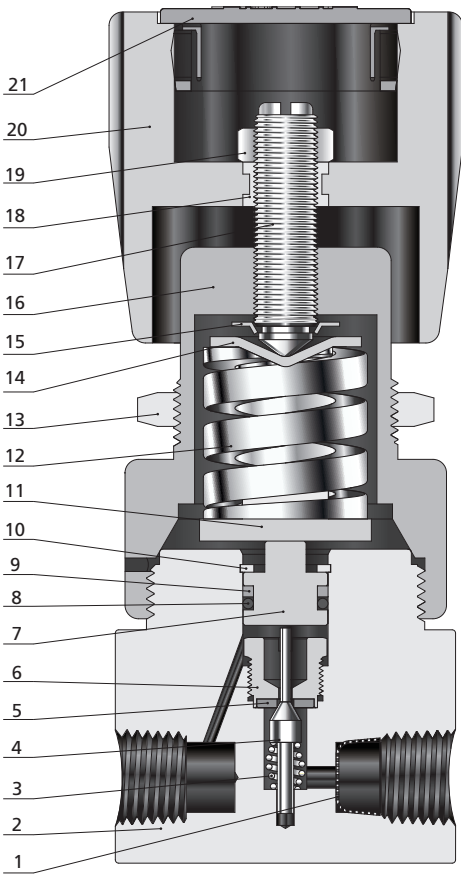
- Compact
- Low cost stainless steel or brass body
- Robust piston sensed design
- A filter installed in inlet
- Venting model optional
- Panel mounting available

Technical Data

- Maximum inlet pressure: 3000, 6000 psig
- Outlet pressure ranges: 0~250, 0~500, 0~1500, 0~2500 psig
- Flow coefficient (Cv):
Non-vent: 0.06
Vent: 0.1
- Working temperature: -15°F~+165°F (-26°C~+74°C)
- Leak rate:
Internal: Bubble-tight
External: Bubble-tight
- Weight: ≈1.98 lbs (0.9 Kg)
- Ports: Inlet, Outlet, Gauge, Relief valve — 1/4" Female NPT

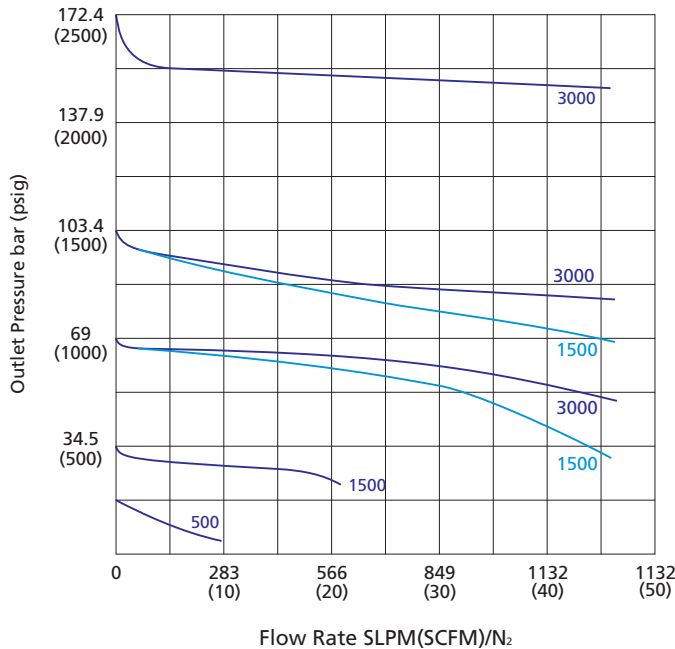


Normal Materials of Construction



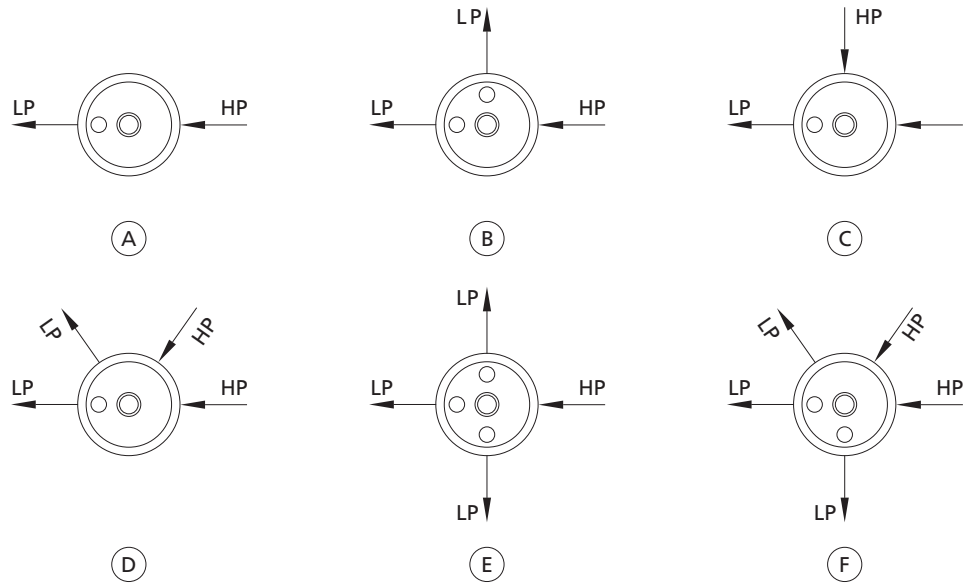
Component		Material Grade/ASTM Specification
1	Filter	316L SS
2	Body	316L SS/A479
3	Poppet spring	316L SS/A313
4	Lift poppet	316L SS/A276
5	Seat	PCTFE/D1430
6	Seat retainer	316L SS/A276
7	Piston	316L SS/A276
8	O-ring	Viton®
9	Retainer-ring	PTFE/D1710
10	Stretch block	304 SS
11	Spring seat	Brass
12	Range 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

Flow Charts



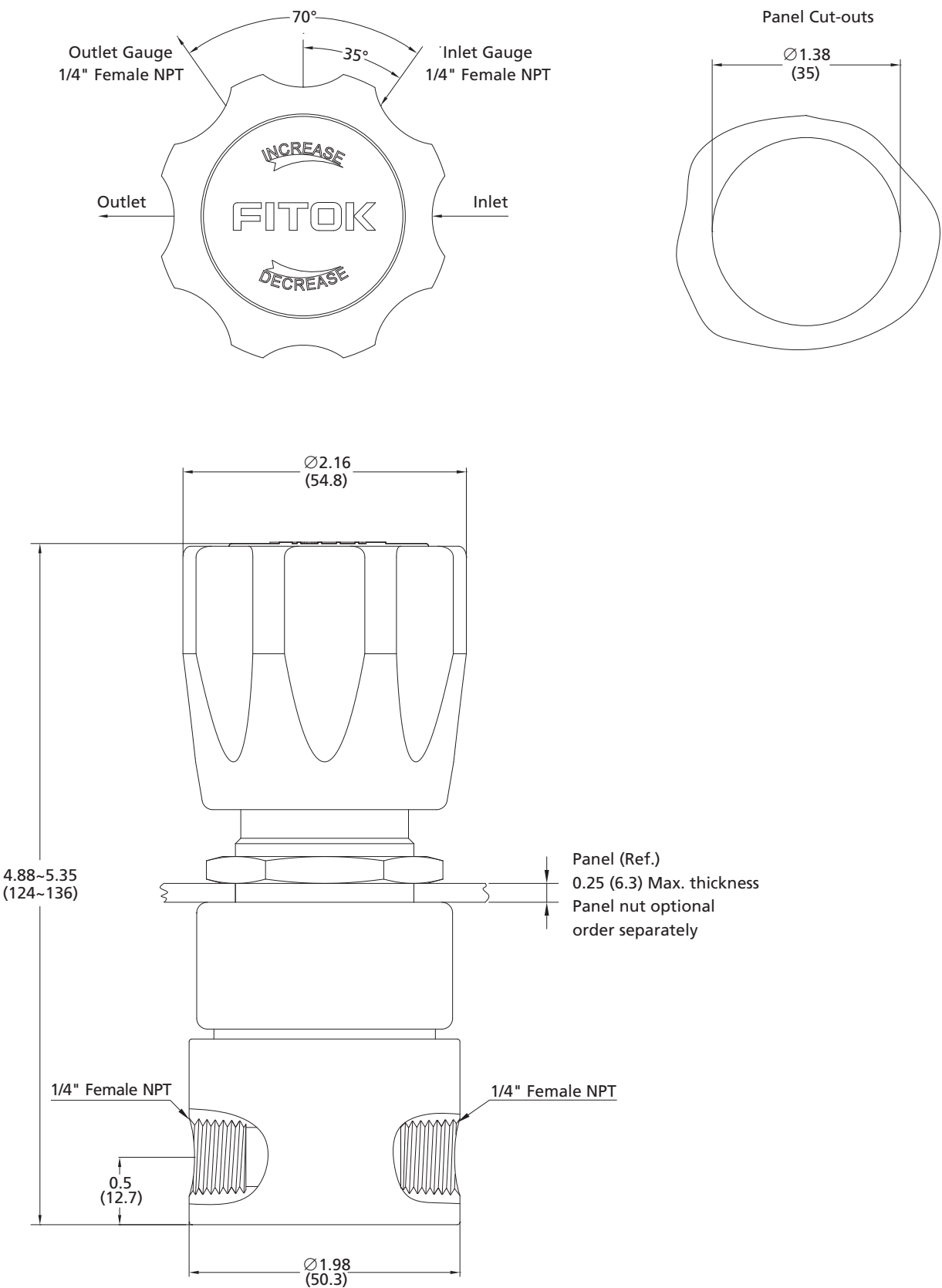
Porting Configurations

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)
PH□□-D64MM-FL4-Y	D	0.1	6000	0~2500
PH□□-D53PP-FL4-FNS4		0.06	3000	0~1500
PH□□-D53BP-FNS4			6000	0~250
PH□□-F61MM-ML6-FL4-R	F			

Basic Ordering Number	Porting Configurations	Cv	Max. Inlet Pressure (psig)	Outlet Pressure Range (psig)
PH□□-A64WW-FL4-Z	A	0.06	6000	0~2500
PH□□-B62WB-FNS4	B			0~500
PH□□-C63PW-ML6	C			0~1500
PH□□-E52WM-FNS4-FL4-R	E		3000	0~500

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

Part Number Description



PH6L – D61PP – ML6 – FNS4 – YVZR – F2

PH

Series

Body Materials

Ports

Inlet Pressure

Outlet Pressure

Inlet Gauge

Outlet Gauge

Inlet Type

Inlet Size

Outlet Type

Outlet Size

Self-venting

Seat Materials

Panel

Relief Valve

Cleaning and Packing

6L

SS

316 SS

A 1 In 1 Out

5 3000 psig

1 0-250 psig

W Without Gauge

FNS Female NPT

2 1/8"

NO

PCTFE

NO

FC-01

B

Brass (Only for inlet pressure 3000 psig)

B 1 In 2 Out

6 6000 psig

2 0-500 psig

M With Gauge (Mpa)

NS Male NPT

4 1/4"

NO

V Vespel

Panel nut

R YES

F2 FC-02

B

Brass (Only for inlet pressure 3000 psig)

C 2 In 1 Out

3 0-1500 psig

P With Gauge (psig)

FL Fractional Tube Fitting

6 3/8" or 6 mm

Y YES

E

1 In 3 Out

4 0-2500 psig

B With Gauge (bar)

ML Metric Tube Fitting

8 1/2" or 8 mm

F

2 In 3 Out

Note:

1. "Part Number Description" is used for composition rules of FITOK product model, not suitable for specific product part number selection, not random combinations;
2. 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;
3. 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;
4. Cleaning and Packing:
FC-01: Normal industry standard cleaning and packaging.
FC-02: Special cleaning and packaging, following ASTM G93 level C.