

Engineered for Precision Control in High Pressure Applications



Fairchild's new HPD/HPP High Pressure Precision Regulators are specifically engineered for applications requiring a high supply pressure and a reduced output pressure. The HPD and HPP are constructed of 316 Stainless Steel to hold up to high pressures and harsh environments. The HPD/HPP are also designed for applications involving liquids.

Contact your local Fairchild distributor or call Fairchild's Application support team at (800) 334-8422 today to discuss the HPD or HPP and our complete lineup of precise, reliable process and instrumentation control products.

NEW Model HPD/HPP High Pressure Precision Regulators

The HPD and HPP are Fairchild's new high pressure regulators that can handle up to 6000 psig supply pressure and reduce that pressure to outputs from 0-25 psi to 0-3000 psi. The HPD/HPP is constructed of 316 stainless steel, inconel diaphragm for the HPD, this makes it ideal for gas or liquid service. With its rugged design and materials of construction the units are corrosion resistant and can withstand the harshest environments. This high pressure units come in eight different output ranges and two different port arrangements. Put the HPD or HPP to use in your high pressure application for reliable and worry free service.



O'Keefe Controls Co.

Specialists in Valves, Controls, Pneumatics, Fluid Measurement

Model HPD & HPP High Pressure Regulator

Ordering Information

Catalog Number HPP 1

Pressure Ranges:

0-1000 psi..... 2
 0-2000 psi..... 4
 0-3000 psi..... 5

Inlet/Outlet Port Size:

1/4" 2

Port Thread:

NPTF N
 BSPT U

Port Configuration

2 Port (1 Inlet, 1 Outlet) A
 4 Port (2 Inlets, 2 Outlets) B

Body Material

316 Stainless Steel..... S

Seat Material

PEEK P
 CTFE T
 Vespel V

Actuator

Knob K
 Tamper Proof T

Relief

Relieving R
 Non Relieving*..... N

Mounting

None N
 Panel P

*Bubble Tight Shutoff in Most Conditions

Ordering Information

Catalog Number HPD 1

Pressure Ranges:

0-25 psi..... 3
 0-50 psi..... 4
 1-100 psi..... 5
 2-250 psi..... 7
 5-500 psi..... 9

Inlet/Outlet Port Size:

1/4" 2

Port Thread:

NPTF N
 BSPT U

Port Configuration

2 Port (1 Inlet, 1 Outlet) A
 4 Port (2 Inlets, 2 Outlets) B

Body Material

316 Stainless Steel..... S

Seat Material

PEEK P
 CTFE T
 Vespel V

Actuator

Knob K
 Tamper Proof T

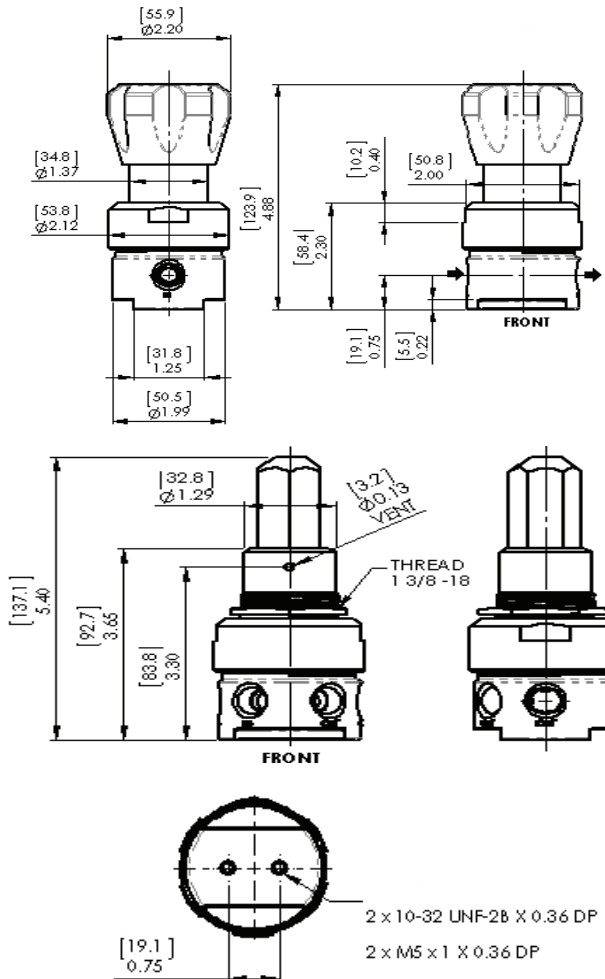
Relief

Relieving R
 Non Relieving*..... N

Mounting

None N
 Panel P

*Bubble Tight Shutoff in Most Conditions



Specifications

Supply Valve Cv 0.06

Exhaust Valve Cv 0.02

Maximum Supply Pressure

6000 psig, [414 BAR], (41400 kPa)

*Consult seat material chart for maximum pressure

Supply Pressure Effect

0.6 psig change for 100 psig change in supply pressure

Ambient Temperature

-40°F to +500°F, (-40°C to 260°C)

*Consult seat material chart for maximum temperature

Materials of Construction

Body and Housing.....Alloy 316L Stainless Steel

Valve.....316L Stainless Steel

Diaphragm.....Alloy X-750 Inconel (HPD)

Seal.....Viton A (HPP)

| SEAT MATERIAL | MAXIMUM TEMPERATURE* | @ | MAXIMUM INLET PRESSURE |
|---------------|----------------------|---|------------------------|
| CTFE | 175°F (80°C) | @ | 3500 PSIG (241 BAR) |
| PEEK | 500°F (260°C) | @ | 3500 PSIG (241 BAR) |
| PEEK | 175°F (80°C) | @ | 6000 PSIG (414 BAR) |
| VESPEL | 500°F (260°C) | @ | 3500 PSIG (241 BAR) |
| VESPEL | 175°F (80°C) | @ | 6000 PSIG (414 BAR) |

*Temperatures in excess of 175°F (80°C) require a tamper-proof option