

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.



Model HPD & HPP High Pressure Regulator

Ordering Information

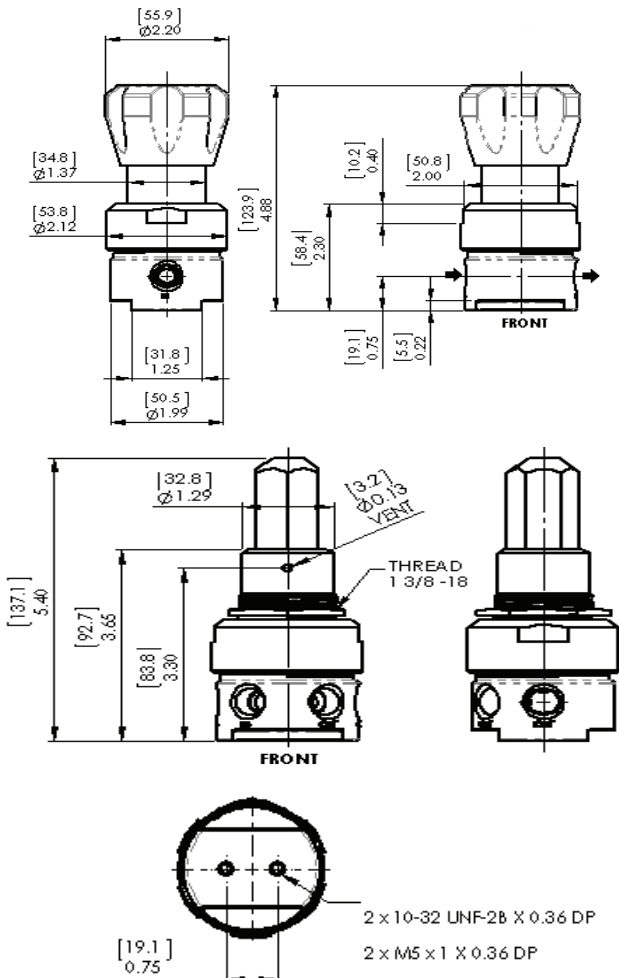
Catalog Number	HPP	1								
Pressure Ranges:										
0-1000 psi.....	2									
0-2000 psi.....	4									
0-3000 psi.....	5									
Inlet/Outlet Port Size:										
1/4".....	2									
Port Thread:										
NPTF.....					N					
BSPT.....					U					
Port Configuration										
2 Port (1 Inlet, 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

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