

**PB-FCF** FIXED FLOW CONTROL VALVE, PRESSURE COMPENSATED

**DESCRIPTION**

8 size, 3/4-16 thread, "Power" series, pressure compensated flow control valve.

**OPERATION**

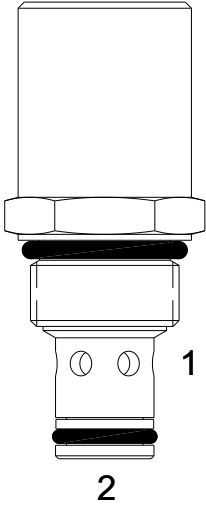
The PB-FCF maintains a constant flow rate out of (1) regardless of load pressure changes in the circuit downstream of (1).

The valve begins to respond to load changes when the flow through the valve creates a pressure differential across the control orifice, in excess of the spring load. Consult graph for regulation performance.

Reverse flow (1) to (2) returns through the control orifice and is non-compensated.

**FEATURES**

- Hardened parts for long life.
- Industry common cavity.

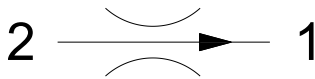


Best stability version for high differential circuits.

**VALVE SPECIFICATIONS**

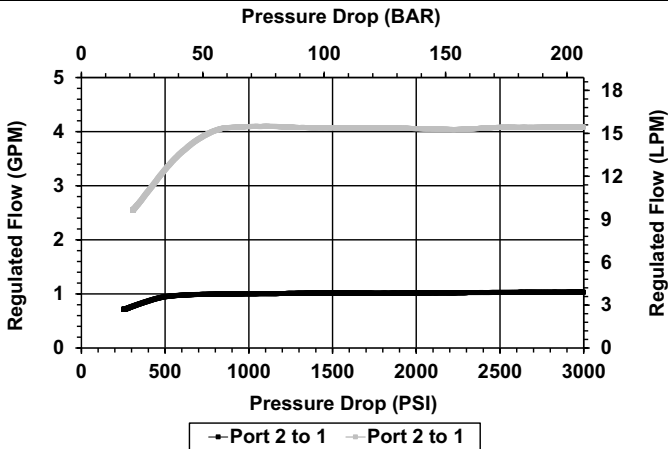
Nominal Flow	5 GPM (19 LPM)
Rated Operating Pressure	3500 PSI (241 bar)
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temperature Range	-40° to 250° F (-40° to 120° C)
Weight	.26 lbs. (.12 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	25 ft-lbs (34 Nm)
Cavity	<a href="#">POWER 2W</a>
Cavity Form Tool (Finishing)	40500005
Seal Kit	21191100

**HYDRAULIC SYMBOL**



**PERFORMANCE**

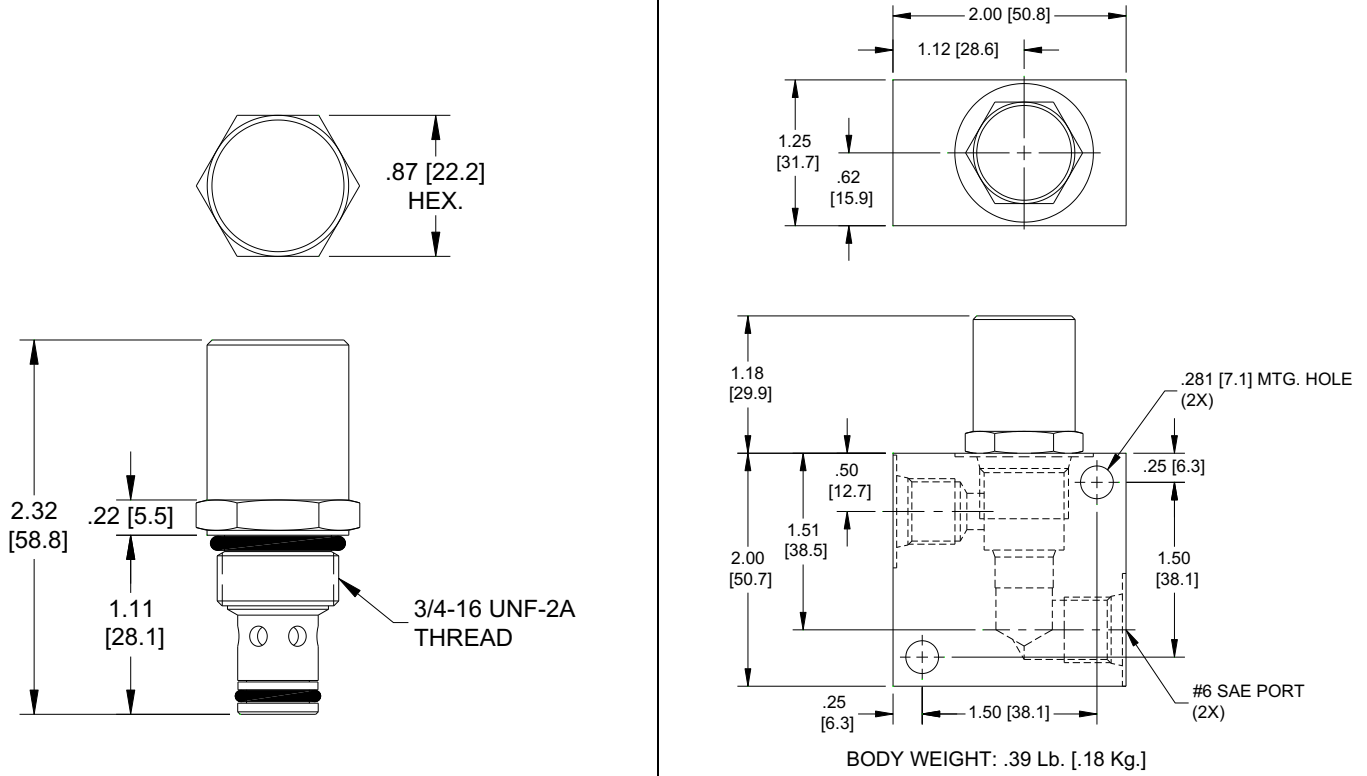
Actual Test Data (Cartridge Only)



**WARNING:** the specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described (herein). Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.

W51 / 2-2023

**DIMENSIONS**



**ORDERING INFORMATION**

**PB-FCF**

**OPTIONS**  
 Standard, Buna **00**  
 Standard, Viton **V0**

Blank  
**N**  
**S**

**BODIES**  
 Without Body  
 1/4 NPTF Ports  
 #6 SAE Ports

**FLOW**

**01.0** 1 GPM  
**02.0** 2 GPM  
**03.0** 3 GPM  
**04.0** 4 GPM  
**05.0** 5 GPM  
 +/-15%

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