

**HDF-CPD** PILOT TO CLOSE CHECK VALVE, GUIDED BALL

**DESCRIPTION**

"High Pressure" 10 size, 7/8-14 thread, "Delta" series, pilot to close, guided ball check valve.

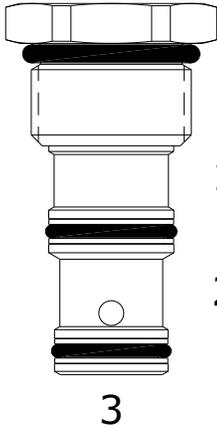
**OPERATION**

The HDF-CPD allows free flow from (3) to (2), and blocks flow from (2) to (3). Flow will be blocked from (3) to (2) when sufficient pressure is applied at (1).

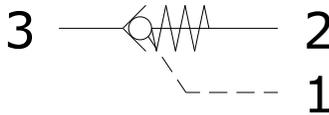
The cartridge has a 2:1 pilot ratio.  
The check is spring biased closed.

**FEATURES**

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



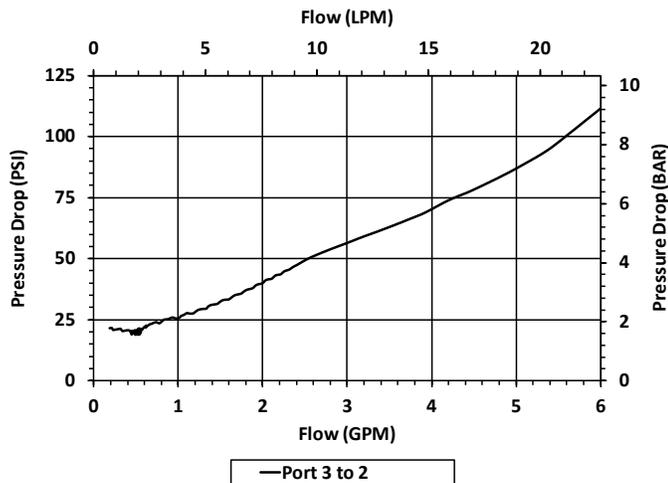
**HYDRAULIC SYMBOL**



Special higher bias spring values available. Consult factory.

**PERFORMANCE**

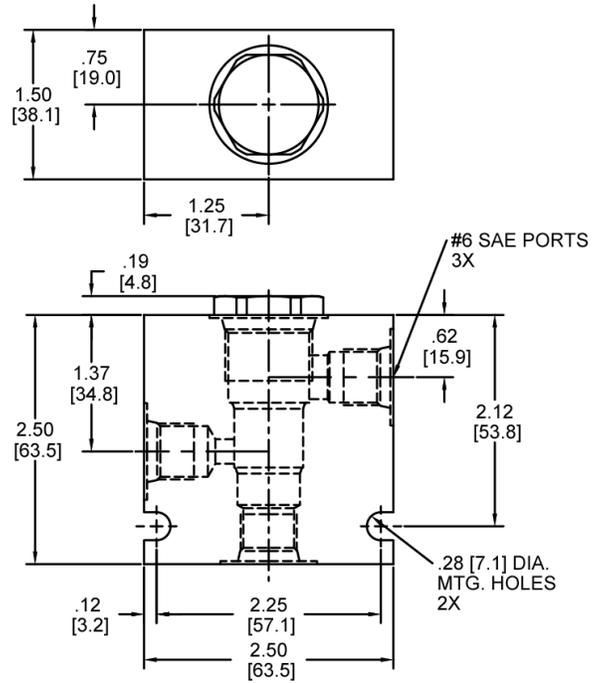
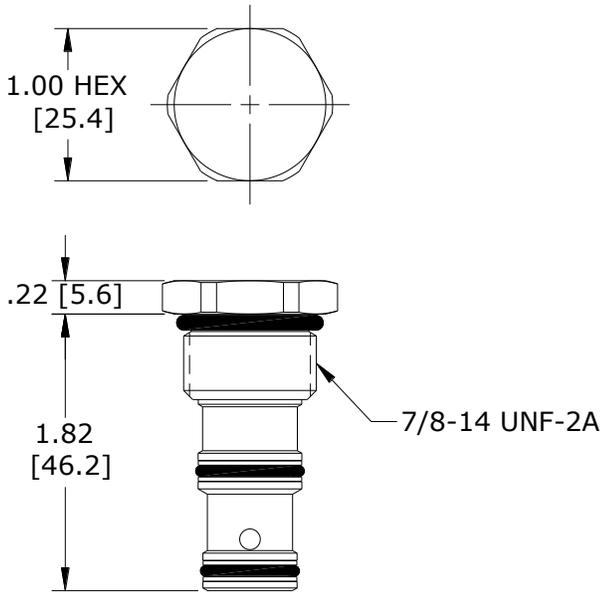
Actual Test Data (Cartridge Only)



**VALVE SPECIFICATIONS**

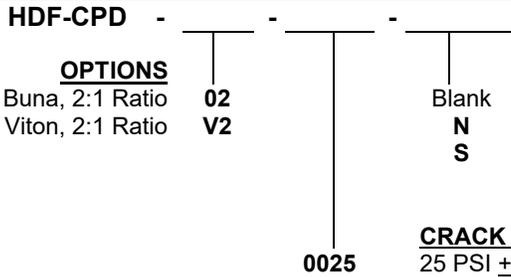
Maximum Flow	5 GPM (19 LPM)
Rated Operating Pressure	4200 PSI (290 bar)
Typical Internal Leakage (150 SSU)	5 drops/min from (2) to (3) 5 drops/min from (3) to (2) when port (1) is piloted
Pilot Ratio	2 to 1
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temperature Range	-40° to 250° F (-40° to 120° C)
Weight	0.20 lbs. (0.09 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	40 ft-lbs (54 Nm)
Cavity	<a href="#">DELTA 3W</a>
Cavity Form Tool (Finishing)	40500001
Seal Kit	21191202

**DIMENSIONS**



BODY WEIGHT: .76 lbs. [.35 kg.]

**ORDERING INFORMATION**



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

Note: Aluminum **NOT** durability rated for 4200 PSI. Consult factory for body options.

**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.