Delta Power Company

HPB-CVA   DIRECT ACTING CHECK VALVE, POPPET

DESCRIPTION
"High Pressure" 8 size, 3/4-16 thread, "Power" series, direct acting check valve.

OPERATION
The HPB-CVA allows free flow passage from (2) to (1), and blocks flow from (1) to (2).

The cartridge has a fully guided check poppet, which is spring-biased closed until sufficient pressure is applied at (2) to open to (1).
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FEATURES
- Hardened parts for long life and low leakage.
- Optional bias springs for back-pressure application flexibility.
- Fully guided poppet assembly.
- Industry common cavity.
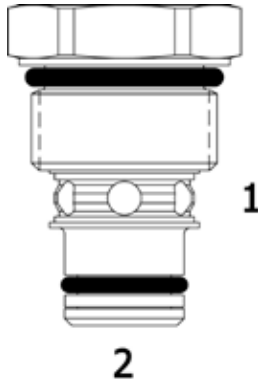
HYDRAULIC SYMBOL

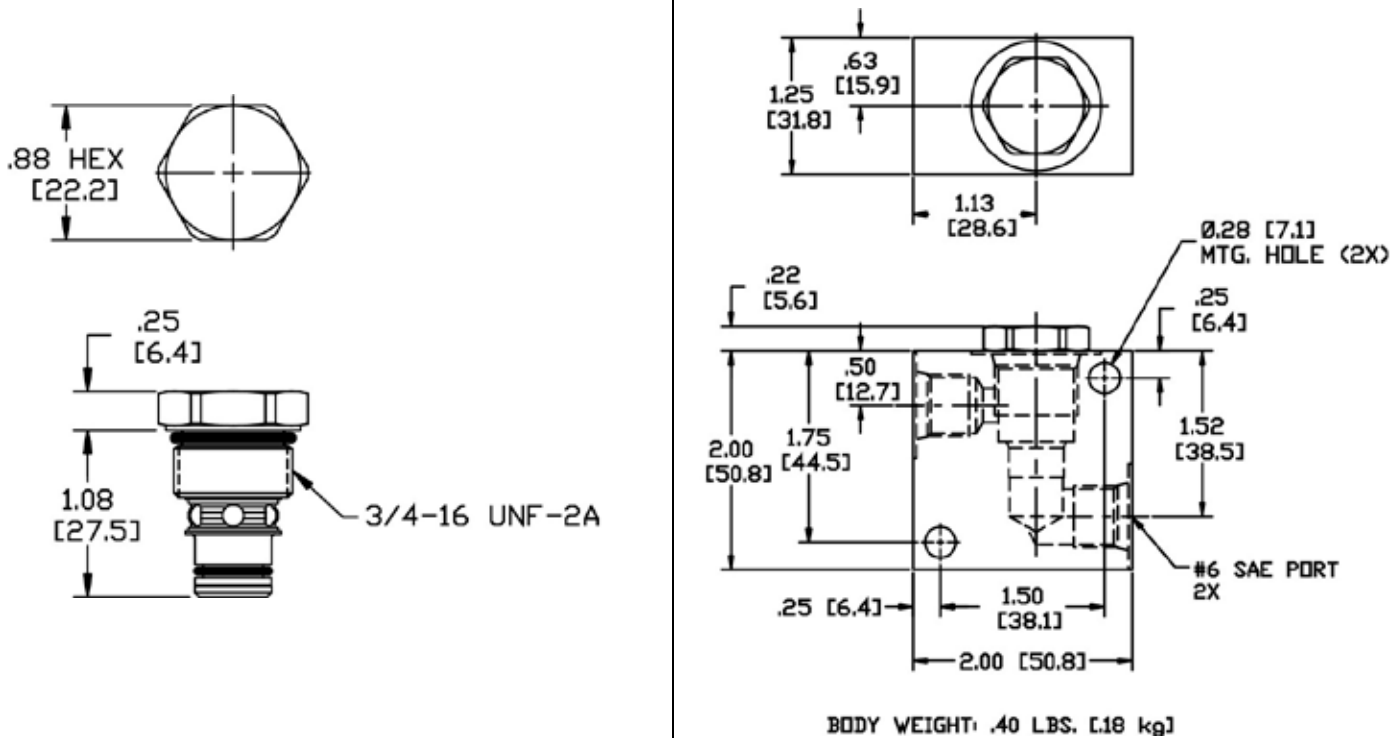HPB-CVA's have been qualified with P-*-S & P-*-D pilot pistons to rated pressure.

PERFORMANCE
Actual Test Data (Cartridge Only)

Flow (LPM)

Pressure Drop (PSI) / Pressure Drop (BAR)

Flow (GPM)

— Port 2 to 1
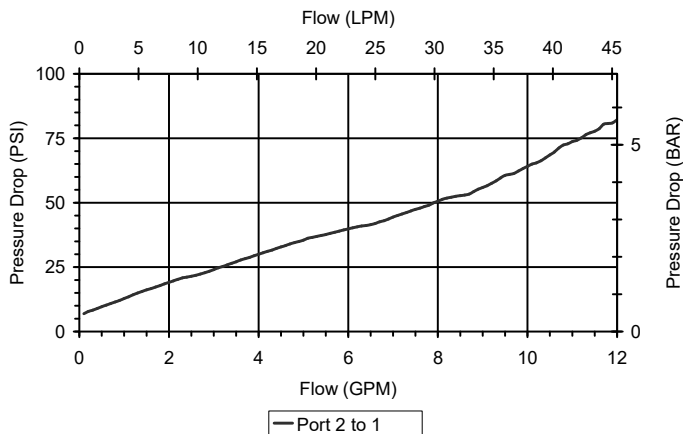
VALVE SPECIFICATIONS

Nominal Flow	10 GPM (38 LPM)
Rated Operating Pressure	4200 PSI (290 bar)
Typical Internal Leakage (150 SSU)	0-5 drops/min
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	0.10 lbs. (0.05 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	35 ft-lbs (47 Nm)
Cavity	POWER 2W
Cavity Form Tool (Finishing)	40500005
Seal Kit	21191100

Delta Power Company

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DIMENSIONS

BODY WEIGHT: .40 LBS. [.18 kg]

ORDERING INFORMATION

HPB-CVA   -   _____   -   _____   -   _____

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

BODIES	
Blank	Without Body
N	1/4 NPTF Ports
S	#6 SAE Ports

CRACK PRESSURE	
0005	5 PSI
0010	10 PSI
0030	30 PSI
0070	70 PSI
	± 10%

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