

HPB-CVA DIRECT ACTING CHECK VALVE, POPPET
DESCRIPTION

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

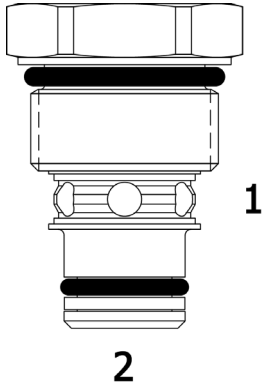
OPERATION

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).

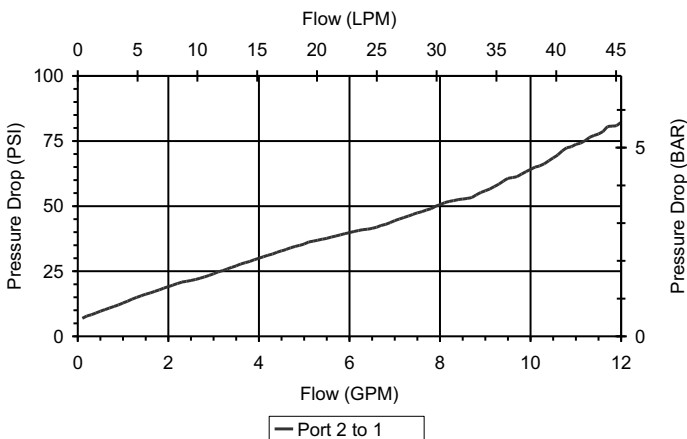
FEATURES

- 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

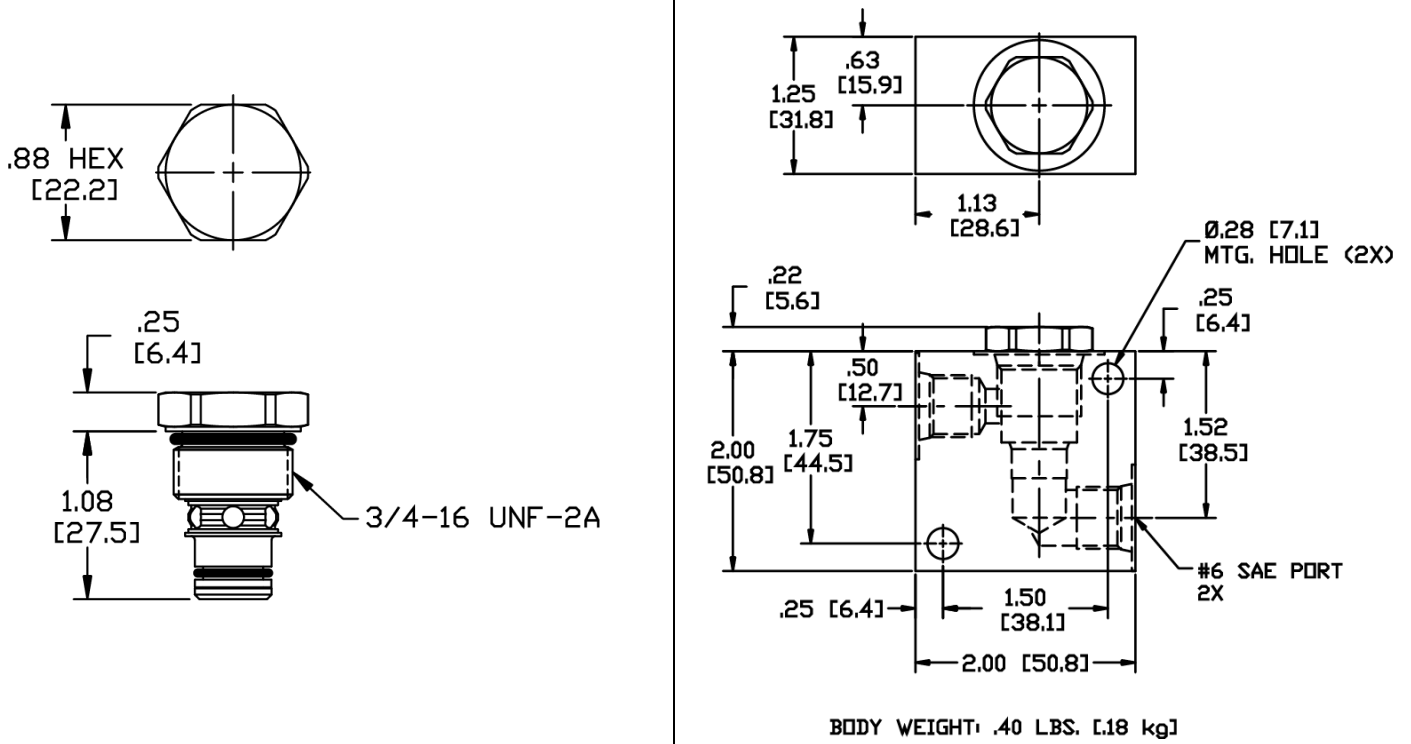
PERFORMANCE

Actual Test Data (Cartridge Only)


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

DIMENSIONS



ORDERING INFORMATION

HPB-CVA		-	-	-	-
OPTIONS					BODIES
Buna Standard	00				Without Body
Viton Standard	V0				1/4 NPTF Ports
					#6 SAE Ports
					CRACK PRESSURE
				0005	5 PSI
				0010	10 PSI
				0030	30 PSI
				0070	70 PSI

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