

PB-MCA MANUAL POPPET VALVE, 2 WAY NORMALLY CLOSED, PULL TYPE
DESCRIPTION

8 size, 3/4-16 thread, "Power" series, manual poppet, 2 way normally closed, pull type valve.

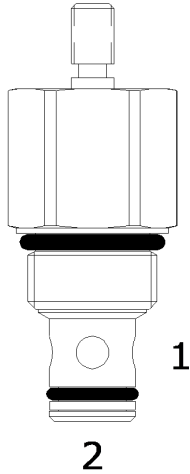
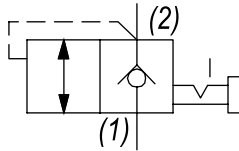
OPERATION

The PB-MCA blocks flow from (1) to (2) until an operator pulls the shaft outward. The bias spring (see option page for pressure) allows for backpressure at (2) before the valve will open.

Note: pressure at port (2) will act directly on the poppet and spring. Port (2) is intended to be a tank port only.

FEATURES

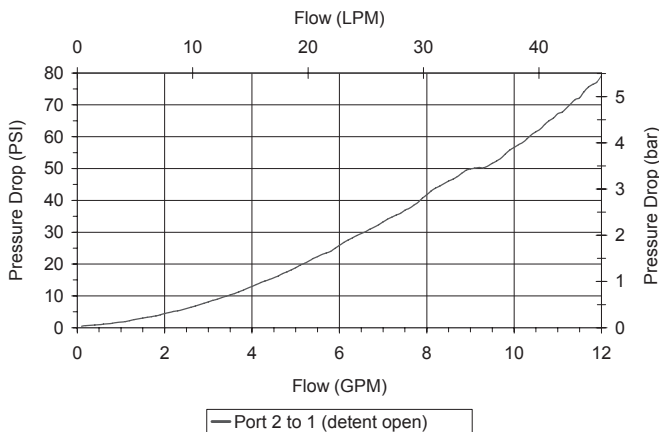
- Hardened parts for long life.
- Industry common cavity.
- Optional bias springs for backpressure application flexibility.


HYDRAULIC SYMBOL


75 PSI bias provides comfortable effort where return line is near zero. 150 PSI option may be difficult to pull, if tank pressure is near zero. Pressure above SPRING BIAS PRESSURE at port (2) may cause valve to self open.

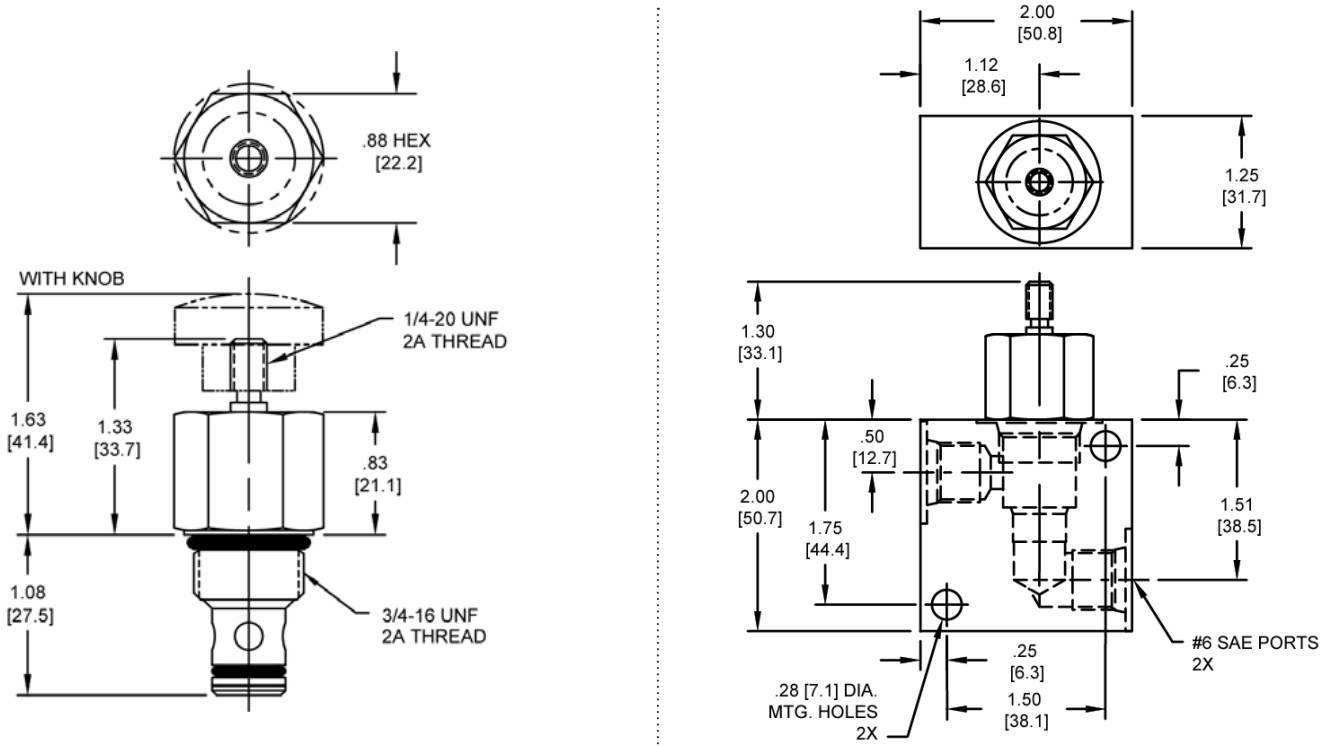
PERFORMANCE

Actual Test Data (Cartridge Only)


VALVE SPECIFICATIONS

Nominal Flow	12 GPM (45 LTR/M)
Rated Operating Pressure	3500 PSI (241 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 Temp. Range	-40° to 250°F (-40° to 120°C)
Weight	.21 lbs (.10 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	25 ft-lbs (34 Nm)
Cavity	POWER 2W
Cavity Form Tool (Finishing)	40500005
Seal Kit	21191100

DIMENSIONS



Body Weight: .39 lbs (.18 kg)

ORDERING INFORMATION

<p>PB-MCA - - - -</p> <p>OPTIONS</p> <p>Buna Standard 00</p> <p>Viton Standard V0</p> <p>Buna, Screen A0</p> <p>Viton, Screen W0</p> <p>Buna, Knob 0K</p> <p>Viton, Knob VK</p> <p>Buna, Knob, Screen AK</p> <p>Viton, Knob, Screen WK</p> <p>Buna, Detent 0D</p> <p>Viton, Detent VD</p> <p>Buna, Screen, Detent AD</p> <p>Viton, Screen, Detent WD</p> <p>Buna, Knob, Detent 1D</p> <p>Viton, Knob, Detent 2D</p> <p>Buna, Knob, Screen, Detent 3D</p> <p>Viton, Knob, Screen, Detent 4D</p>	<p>BODIES</p> <p>Blank Without Body</p> <p>N 1/4" NPT Ports</p> <p>S #6 SAE Ports</p>	<p>SPRING BIAS PRESSURE</p> <p>0075 75 PSI</p> <p>0150 150 PSI</p>
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Note: pressure above SPRING BIAS PRESSURE at port (2) may cause valve to self open.

Note: use screen only if flow direction is from (1) to (2).

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.