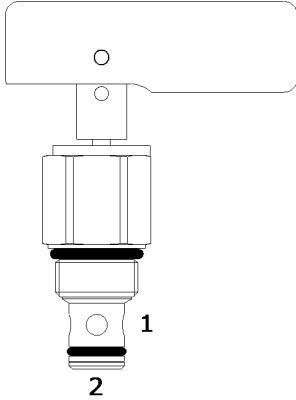


**PB-MCL MANUAL POPPET VALVE, 2 WAY NORMALLY CLOSED, PULL TYPE, LEVER**

**DESCRIPTION**

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

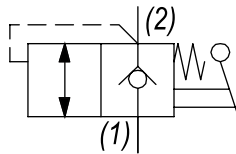
**OPERATION**

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

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

**FEATURES**

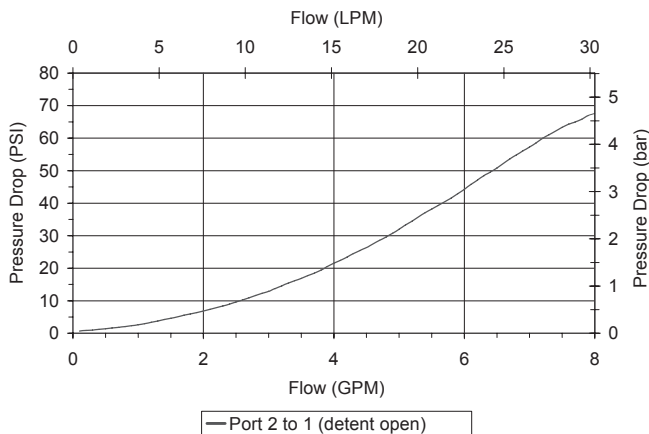
- Hardened parts for long life.
- Industry common cavity.

**HYDRAULIC SYMBOL**


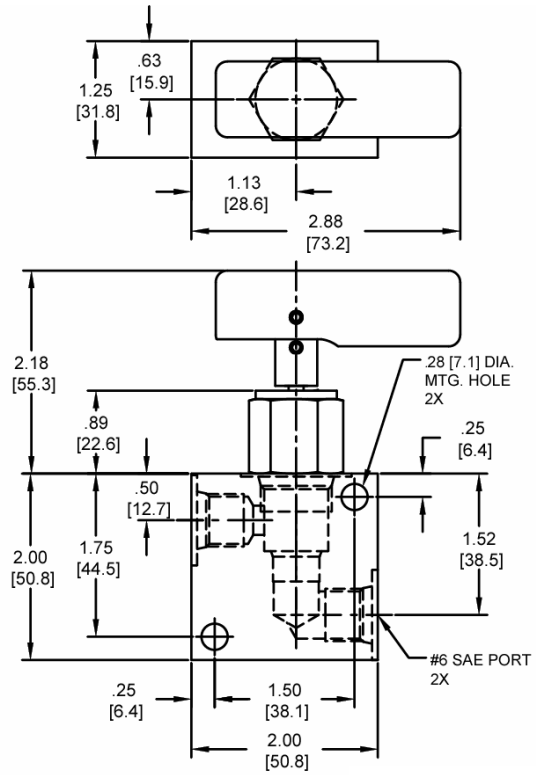
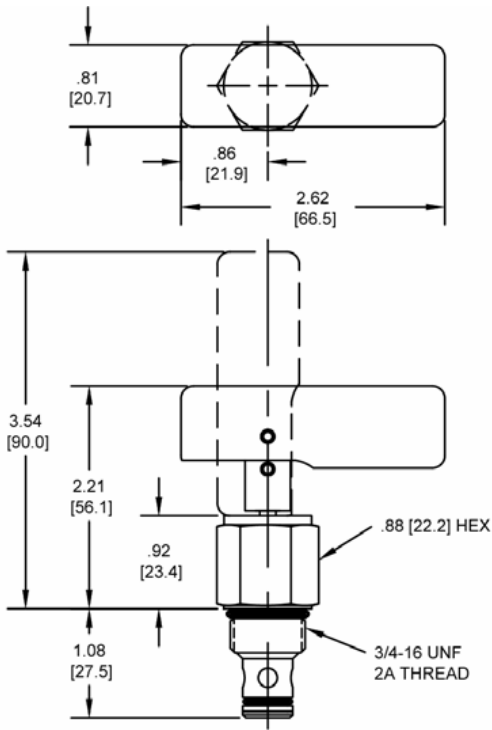
Pressure above *SPRING BIAS PRESSURE* at port (2) may cause valve to self open.

**PERFORMANCE**

Actual Test Data (Cartridge Only)


**VALVE SPECIFICATIONS**

Nominal Flow	8 GPM (30 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	.33 lbs (.15 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	21191101

**DIMENSIONS**


Body Weight: .39 lbs (.18 kg)

**ORDERING INFORMATION**

PB-MCL - - - -

**OPTIONS**

- Buna Standard **00**
- Viton Standard **V0**
- Buna, Screen **A0**
- Viton, Screen **W0**

**BODIES**

- Blank Without Body
- N** 1/4" NPT Ports
- S** #6 SAE Ports

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

**SPRING BIAS PRESSURE**

- 0075** 75 PSI
- 0150** 150 PSI

Note: pressure above **SPRING BIAS PRESSURE** at port (2) may cause valve to self open.

**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.