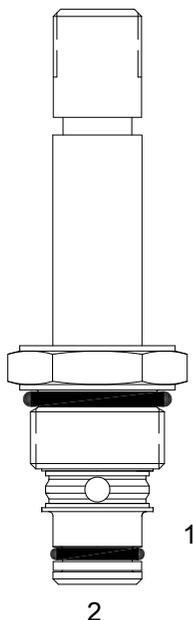


**PB-S2B PILOT OPERATED POPPET, 2 WAY NORMALLY CLOSED**



**DESCRIPTION**

8 size, 3/4-16 thread, "Power" series, solenoid operated, 2 way normally closed, pilot operated poppet valve with reverse flow energized and de-energized.

**OPERATION**

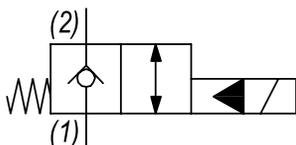
When de-energized the PB-S2B blocks flow from (1) to (2) and allows reverse flow from (2) to (1). When energized the valve allows flow from (1) to (2) and (2) to (1).

**OPERATION OF MANUAL OVERRIDE OPTION:** to override, pull knob out. On the detented version, after pulling knob out twist 180 degrees and release. The valve will remain in that position.

**FEATURES**

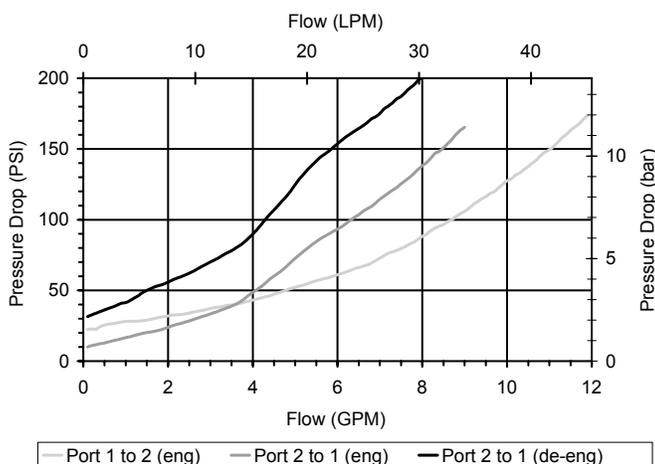
- Hardened parts for long life.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Manual override option.
- Industry common cavity.
- Unitized, molded coil design.
- Continuous duty rated solenoid.
- Optional coil voltages and terminations.
- Optional "I" Coil: Weatherproof, Thermal Shock, Immersion Safe.

**HYDRAULIC SYMBOL**



**PERFORMANCE**

Actual Test Data (Cartridge Only)



**VALVE SPECIFICATIONS**

Nominal Flow	8 GPM (30 LPM)
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	.20 lbs (.09 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	25 ft-lbs (34 Nm)
Coil Nut Torque Requirements	4-6 ft-lbs (5.4-8.1 Nm)
Cavity	POWER 2W
Cavity Tools Kit	
(form tool, reamer, tap)	40500005
Seal Kit	21191100

**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.

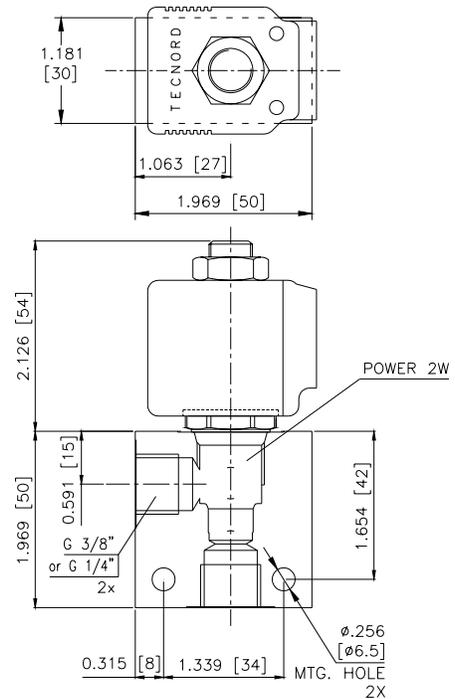
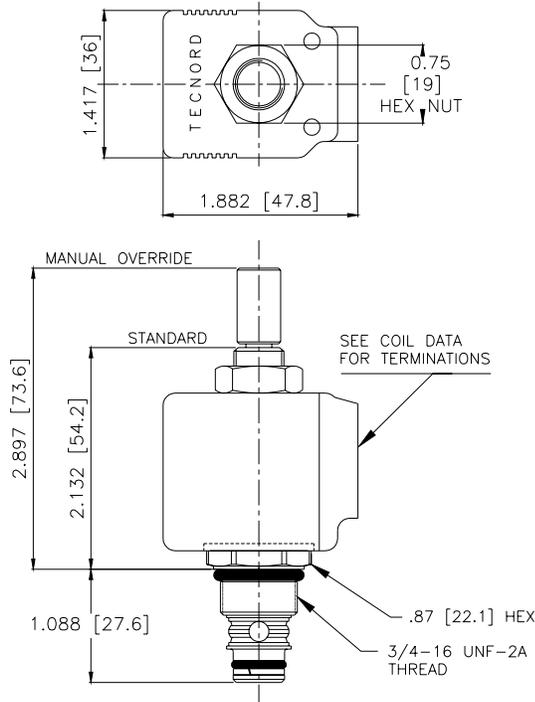


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**DIMENSIONS**



**ORDERING INFORMATION**

Approximate Coil Weight: .42 lbs (.19 kg)

**PB-S2B**

- OPTIONS**
- Buna Standard **00**
  - Viton Standard **V0**
  - Buna, Override, Detent **0M**
  - Viton, Override, Detent **VM**
  - Buna, Screen **A0**
  - Viton, Screen **W0**
  - Buna, Override, Non-Detent **B1**
  - Viton, Override, Non-Detent **V1**
  - Buna, Screen, Override, Non-Detent **B3**
  - Viton, Screen, Override, Non-Detent **V3**
  - Buna, Screen, Override, Detent **B4**
  - Viton, Screen, Override, Detent **V4**

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

- BODIES**
- Blank** Without Body
  - N** 1/4" BSP Ports
  - N1** 3/8" BSP Ports
  - S** #6 SAE Ports

**VOLTAGE** (other voltages available on request)

- 12** 12 VDC
- 24** 24 VDC
- 22** 220 VAC without internal rectifier

**"P" TYPE "J" COIL TERMINATION**

- JA** "J" Coil AMP Superseal - Integral
- JD** "J" Coil Deutsch - Integral DT04-2P

**JJ** "J" Coil AMP Jr. Time - Integral

- JL** "J" Coil Double Lead
- JH** "J" Coil DIN 43650 (Hirschmann)

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