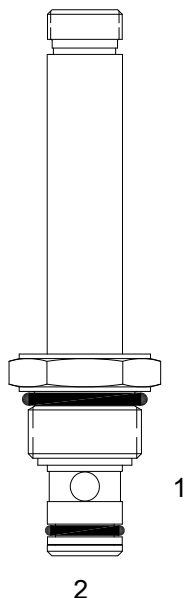


PB-S2J PILOT OPERATED POPPET, 2 WAY NORMALLY OPEN, SOFT SEAT



DESCRIPTION

8 size, 3/4-16 thread, "Power" series, solenoid operated, 2 way normally open, pilot operated soft seat poppet valve with free reverse flow energized.

OPERATION

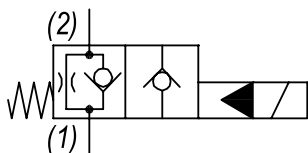
When de-energized the PB-S2J allows flow from (1) to (2) and restricts flow from (2) to (1). When energized the valve blocks flow from (1) to (2) and allows free flow from (2) to (1).

OPERATION OF MANUAL OVERRIDE OPTION: to override, turn the manual override screw clockwise. To release turn the manual override screw counterclockwise.

FEATURES

- Soft seat for ultra low leakage.
- 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.

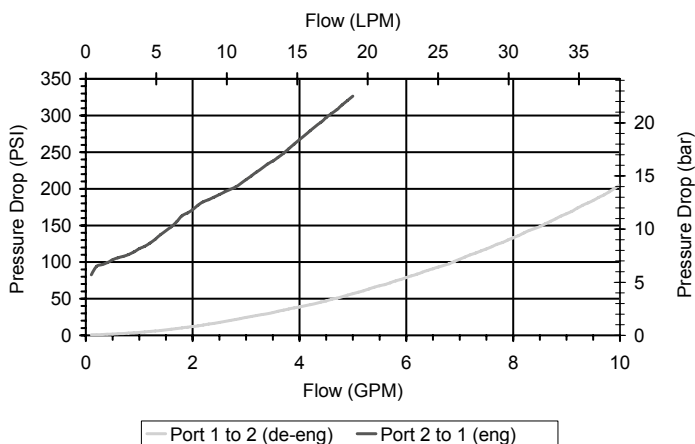
HYDRAULIC SYMBOL



Unshifted limit 6 GPM (23 LPM) from (1) to (2) energized. For shifted flow performance consult chart.

PERFORMANCE

Actual Test Data (Cartridge Only)



VALVE SPECIFICATIONS

Nominal Flow	8 GPM (30 LPM)
Rated Operating Pressure	2000 PSI (138 bar)
Typical Internal Leakage (150 SSU)	Negligible
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temp. Range	-35° to 200°F (-37° to 93°C)
Weight	.21 lbs (.10 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

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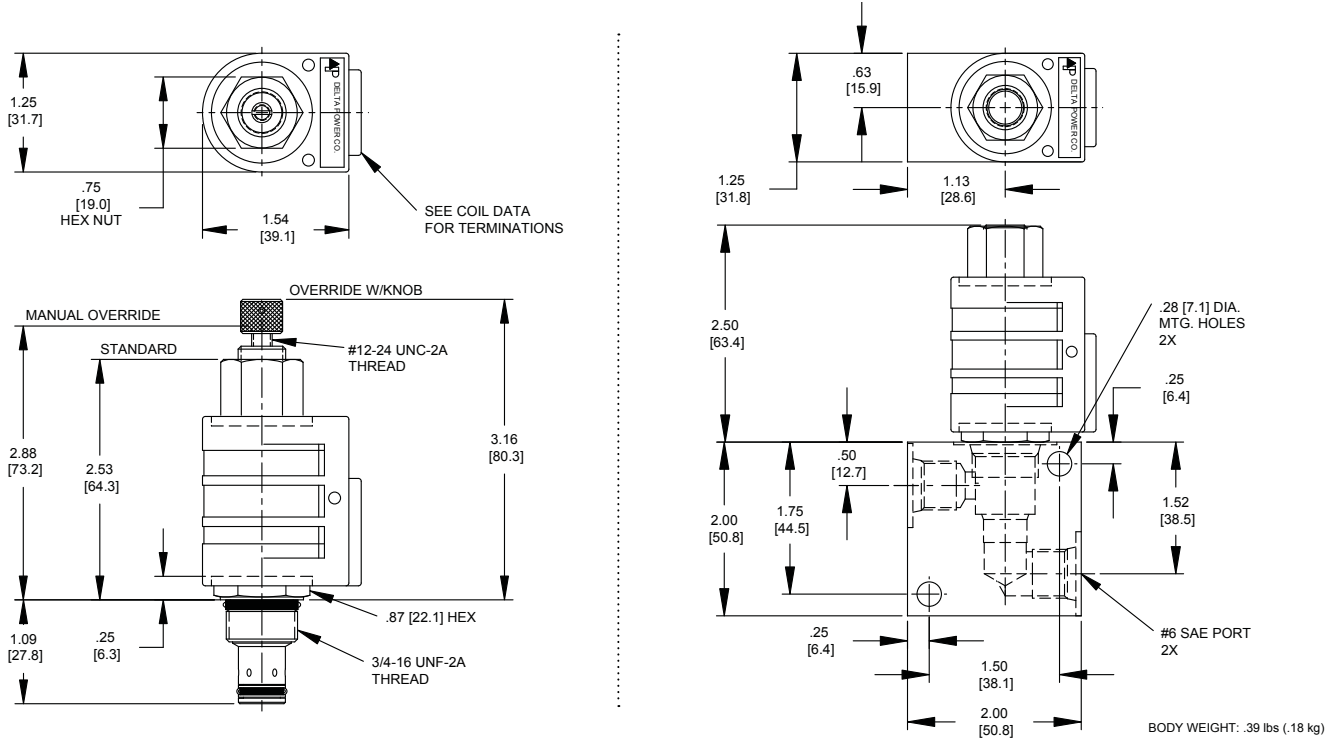
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SOLENOID OPERATED DIRECTIONAL CONTROLS

DIMENSIONS



ORDERING INFORMATION

PB-S2J - - - -

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

OPTIONS

- Buna Standard **00**
- Viton Standard **V0**
- Buna, Override, Detent **0M**
- Viton, Override, Detent **VM**
- Buna, Screen **A0**
- Viton, Screen **W0**
- Buna, Screen Override **B2**
- Viton, Screen, Override **V2**

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

"P" COIL TERMINATION
(All DC Except as Noted)

BODIES

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

VOLTAGE

- 06** 6 VDC
- 12** 12 VDC
- 24** 24 VDC
- 36** 36 VDC
- 48** 48 VDC
- 25** 24 VAC
- 11** 120 VAC
- 22** 220 VAC
- 44** 440 VAC

IMMERSION PROOF "P" TYPE

- | | | |
|------------------------------------|--|---|
| DL Double Lead | SS Single Spade | IA "I" Coil AMP Superseal - Integral |
| DT Deutsch on Leads DT04-2P | DS Double Spade | ID "I" Coil Deutsch - Integral DT04-2P |
| ML Metri-Pack on Leads | HC DIN 43650 (Hirschmann) - (AC&DC) | IJ "I" Coil AMP Jr. Timer - Integral |
| PL Packard on Leads | CL Conduit Lead - (AC Only) | IM "I" Coil Metri-Pack - Integral |
| WL Weatherpack on Leads | DI Deutsch - Integral DT04-2P | |

W 18 / 2017

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