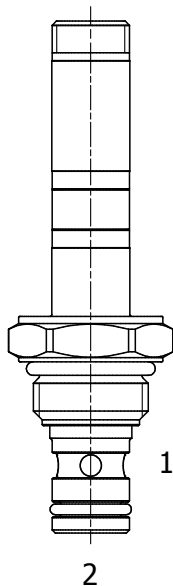


PB-S2I DIRECT ACTING POPPET, 2 WAY, NORMALLY CLOSED, BIDIRECTIONAL



DESCRIPTION

8 size, 3/4-16 thread, "Power" series, solenoid operated, 2 way normally closed, bidirectional poppet valve.

OPERATION

When de-energized the PB-S2I blocks flow from (1) to (2) and from (2) to (1). When energized the valve allows flow from (1) to (2) and from (2) to (1).

MANUAL OVERRIDE OPTION: to override, turn clockwise the manual override screw. To release, turn the manual override screw counter-clockwise.

FEATURES

- Hardened parts for long life.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Industry common cavity.
- Unitized, molded coil design.
- Continuous duty rated solenoid.
- Optional coil voltages and terminations.

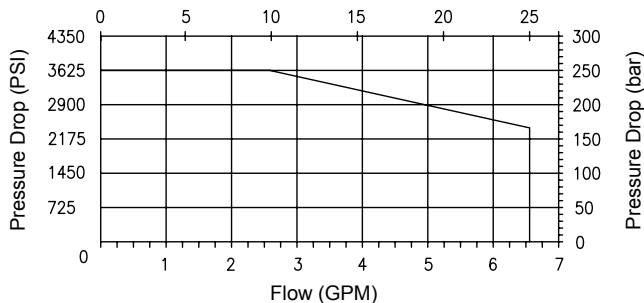


For higher pressure and higher flow option for this function see HB-S2L

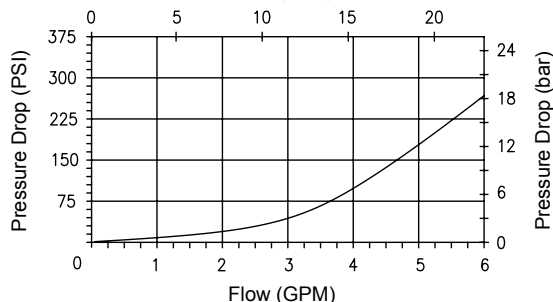
PERFORMANCE

Actual Test Data (Cartridge Only)

De-Rating of Pressure vs. Flow (LPM)

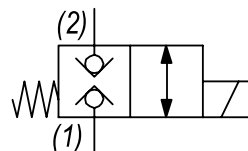


Flow (LPM)



— Port 1 to 2 (eng) & Port 2 to 1 (eng)

HYDRAULIC SYMBOL



VALVE SPECIFICATIONS

Nominal Flow	3 GPM (11 LPM)
Rated Operating Pressure	3600 PSI (250 bar)
Typical Internal Leakage (150 SSU)	0-10 drops/min at 3600 PSI (250 bar)
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temp. Range	-40° to 210°F (-40° to 100°C)
	BUNA seals
	-4° to 250°F (-20° to 120°C)
	VITON seals
Weight	.29 lbs (.13 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	25 ft-lbs (34 Nm)
Coil Nut Torque Requirements	4-6 ft-lb (5.4-8.1 Nm)
Cavity	POWER 2W
Cavity Tools Kit	40500005
Seal Kit	Buna Kit: 64900222 Viton Kit: 64900223

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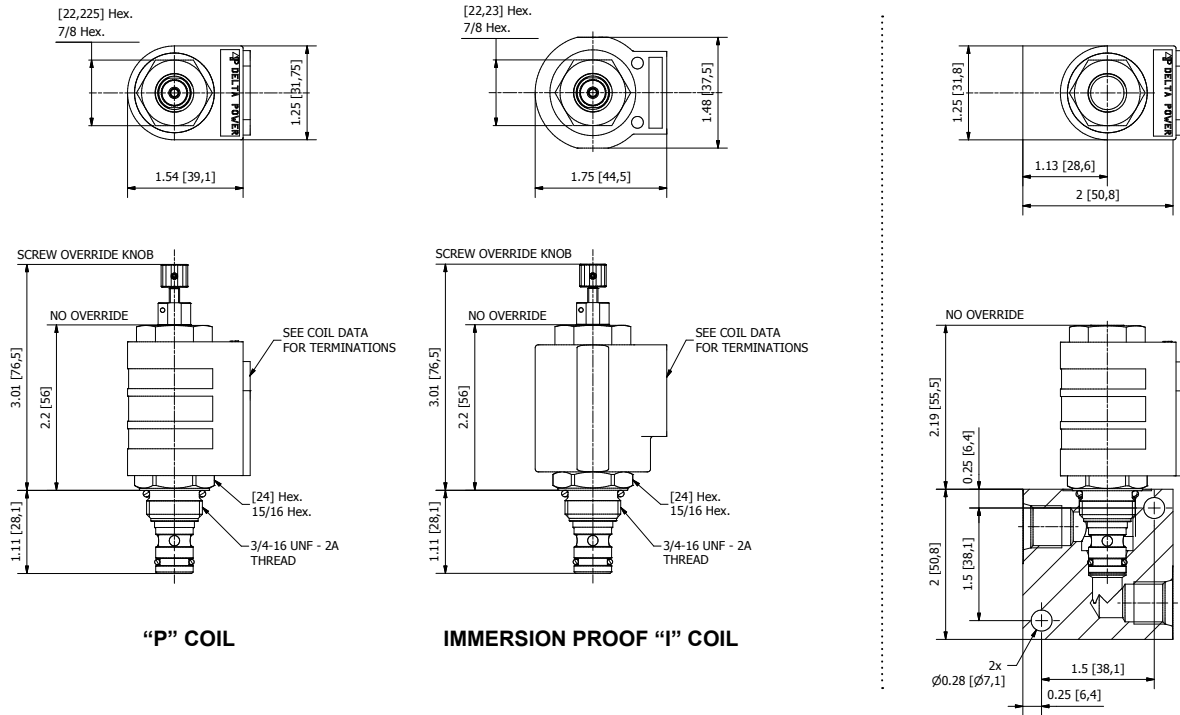


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DIMENSIONS



ORDERING INFORMATION

PB - S2I - - - -

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

- OPTIONS**
- Buna Standard **00**
 - Viton Standard **V0**
 - Buna Knob **OK**
 - Viton Knob **VK**

- 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

"P" COIL TERMINATION

- DL** Double Lead
- DT** Deutsch on Leads DT04-2P
- ML** Metri-Pack on Leads
- PL** Packard on Leads
- WL** Weatherpack on Leads

- SS** Single Spade
- DS** Double Spade
- HC** DIN 43650 (Hirschmann) - (AC&DC)
- CL** Conduit Lead - (AC Only)
- DI** Deutsch - Integral DT04-2P

IMMERSION PROOF "I" COIL TERMINATION

- IA** "I" Coil AMP Superseal - Integral
- ID** "I" Coil Deutsch - Integral DT04-2P
- IJ** "I" Coil AMP Jr. Timer - Integral
- IM** "I" Coil Metri-Pack - Integral

For Optional Coil Terminations See Coil Section

W 26 / 2019

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