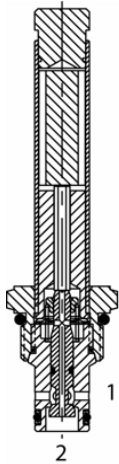




PB-S2I Poppet, 2 Way, Normally Closed, Bi-Directional



DESCRIPTION

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

OPERATION

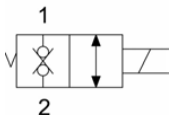
When de-energized the PB-S2I blocks flow from (1) to (2) and (2) to (1). When energized the valve allows flow from (1) to (2) and (2) to (1).

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

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



Uses "D" Delta coil.

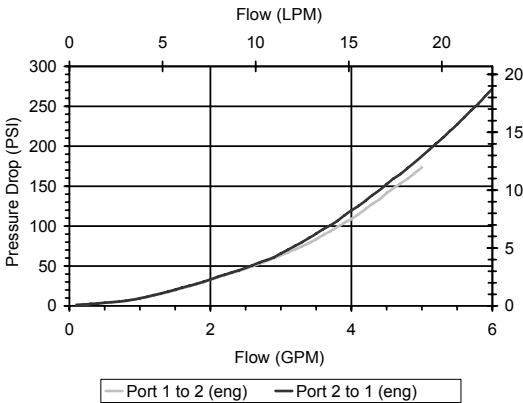


Higher pressure or higher flow capable, consult factory for options.

For Higher flow see HB-S2L.

PERFORMANCE

Actual Test Data (Cartridge Only)

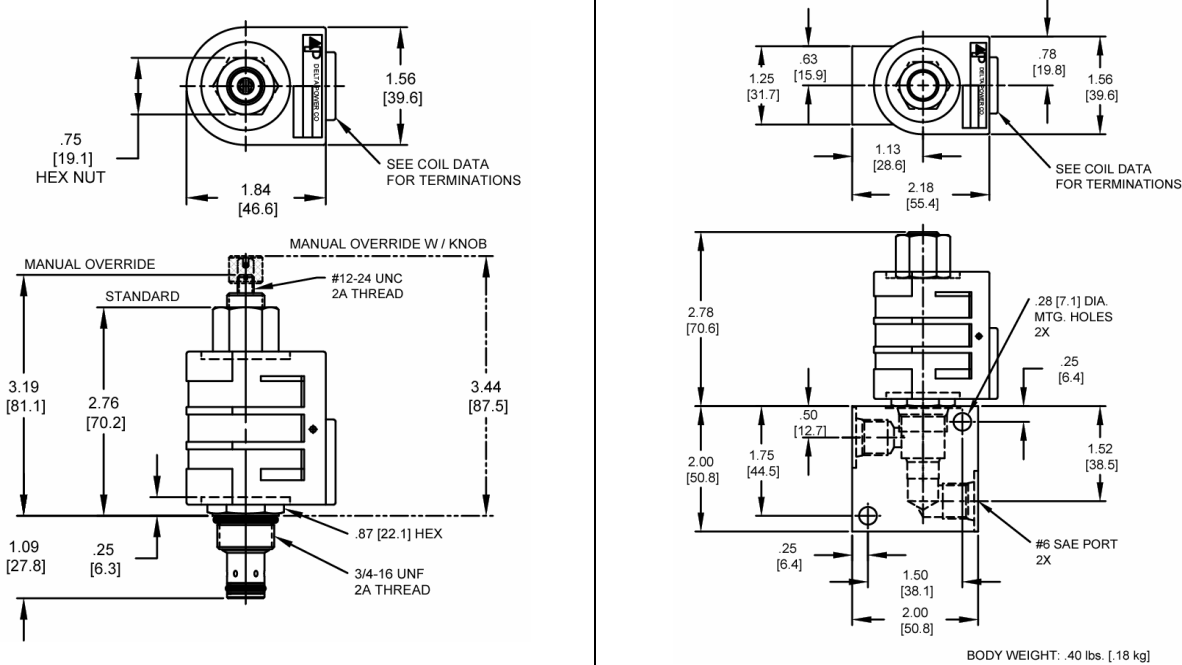


VALVE SPECIFICATIONS

Nominal Flow	3 GPM (11 LPM)
Rated Operating Pressure	3000 PSI (207 bar)
Typical Internal Leakage (150 SSU)	0-10 drops/min
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temperature Range	-40° to 250° F (-40° to 120° C)
Weight	.15 lbs. (.07 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 Form Tool (Finishing)	40500005
Seal Kit	21191102



DIMENSIONS



ORDERING INFORMATION

PB-S2I - - - - -			
OPTIONS		BODIES	
Buna Standard	00	Blank	Without Body
Viton Standard	V0	N	1/4 NPTF Ports
Buna, Override	0M	S	#6 SAE Ports
Viton, Override	VM		
Buna, Override, Knob	OK		
Viton, Override, Knob	VK		
Buna, Screen	A0		
Viton, Screen	W0		
Buna, Screen, Override	B2		
Viton, Screen, Override	V2		
Buna, Screen, Override, Knob	B5		
Viton, Screen, Override, Knob	V5		
Note: Use screen only if flow direction is from (1) to (2).		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
"D" COIL TERMINATION (All DC Except as Noted)		IMMERSION PROOF "D" 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 (Hirschman) - (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		

Approximate Coil Weight: .74 lbs (.33 kg.)