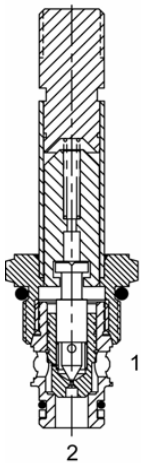


PB-S2A Pilot Operated Poppet, 2 Way, Normally Closed

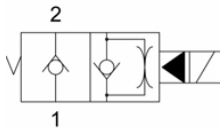


DESCRIPTION
8 size, 3/4-16 thread, "Power" series, solenoid operated, 2 way normally closed, pilot operated poppet valve with reverse flow de-energized.

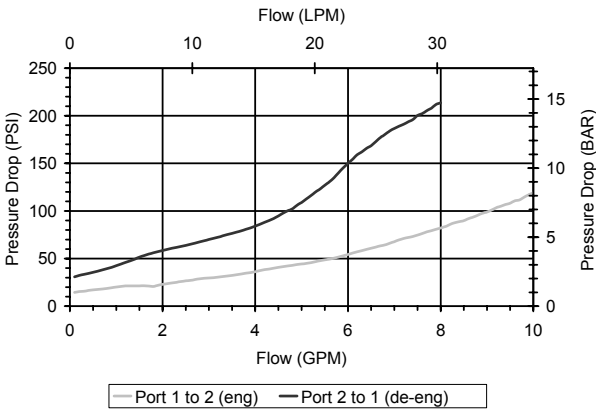
OPERATION
When de-energized the PB-S2A blocks flow from (1) to (2) and allows reverse flow from (2) to (1). When energized the valve allows flow from (1) to (2) and restricts flow from (2) to (1).
OPERATION OF MANUAL OVERRIDE OPTION: To override, pull knob out. On the detented version, after pulling 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)



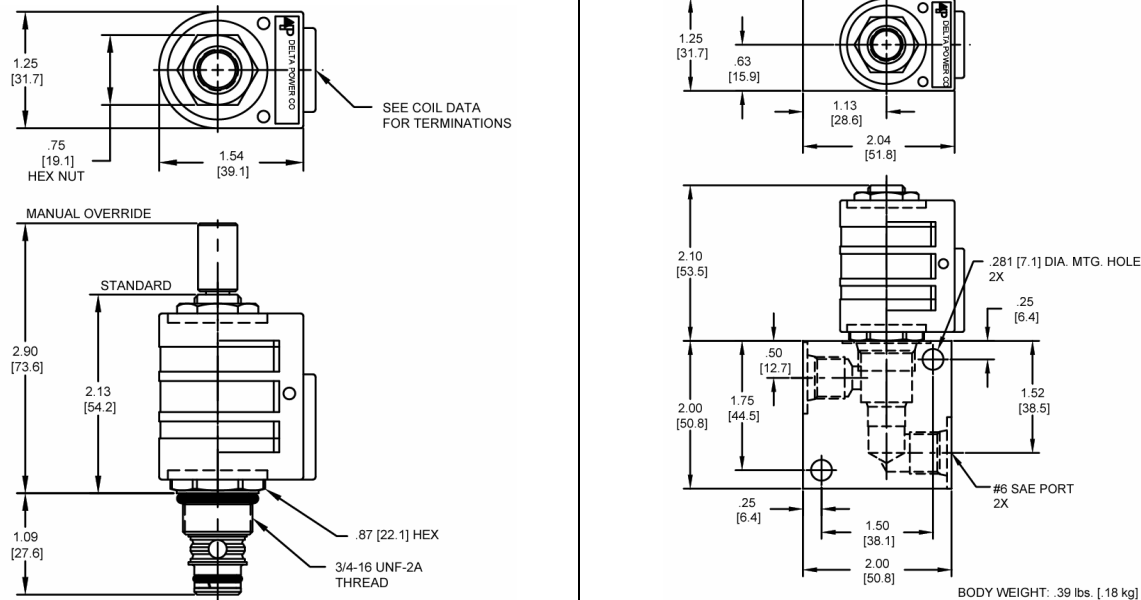
VALVE SPECIFICATIONS	
Nominal Flow	8 GPM (30 LPM)
Rated Operating Pressure	3500 PSI (241 bar)
Typical Internal Leakage (150 SSU)	0-5 drops/min
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temperature Range	-40° to 250° F (-40° to 120° C)
Weight	.20 lbs. (.09 kg)
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 Form Tool (Finishing)	40500005
Seal Kit	21191100

PBS2A00

Solenoid Operated Directional Controls



DIMENSIONS



ORDERING INFORMATION

PB-S2A - - - -			
OPTIONS		BODIES	
Buna Standard	00	Blank	Without Body
Viton Standard	V0	N	1/4 NPTF Ports
Buna, Override, Detent	0M	S	#6 SAE Ports
Viton, Override, Detent	VM		
Buna, Screen	A0		
Viton, Screen	W0		
Buna, Override, Nondetent	B1		
Viton, Override, Nondetent	V1		
Buna, Screen, Override, Nondetent	B3		
Viton, Screen, Override, Nondetent	V3		
Buna, Screen, Override, Detent	B4		
Viton, Screen, Override, Detent	V4		
Note: Use screen only if flow direction is from (1) to (2).			
"P" COIL TERMINATION (All DC Except as Noted)		VOLTAGE	
DL Double Lead	SS Single Spade	06 6 VDC	
DT Deutsch on Leads DT04-2P	DS Double Spade	12 12 VDC	
ML Metri-Pack on Leads	HC DIN 43650 (Hirschman) – (AC & DC)	24 24 VDC	
PL Packard on Leads	CL Conduit Lead – (AC Only)	36 36 VDC	
WL Weatherpack on Leads	DI Deutsch – Integral DT04-2P	48 48 VDC	
		25 24 VAC	
		11 120 VAC	
		22 220 VAC	
		44 440 VAC	
		IMMERSION PROOF "P" TYPE	
		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	

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