



TT-S2B Pilot Operated Poppet, 2 Way Normally Closed

DESCRIPTION

12 size, 1 1/16-12 thread, "Tecnord" series, solenoid operated, 2 way normally closed, pilot operated poppet valve with reverse flow energized and de-energized.

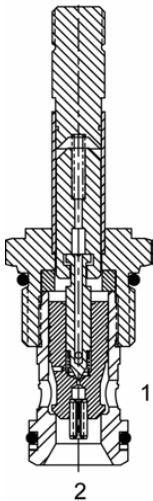
OPERATION

When de-energized the TT-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 from (2) to (1).

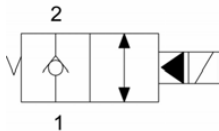
OPERATION OF MANUAL OVERRIDE OPTION: To override, pull knob out. On the detented version, after pulling knob out twist 180 degrees and release. The valve will remain in that position.

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.

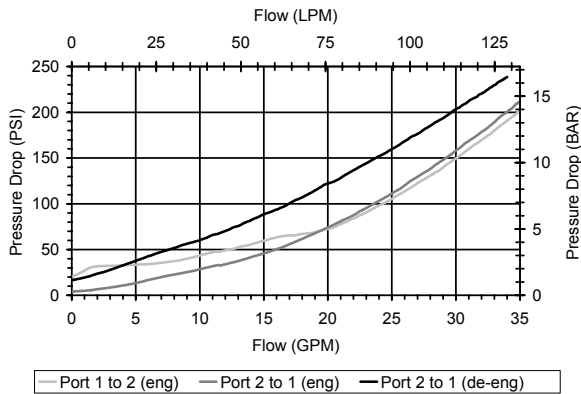


HYDRAULIC SYMBOL



PERFORMANCE

Actual Test Data (Cartridge Only)



VALVE SPECIFICATIONS

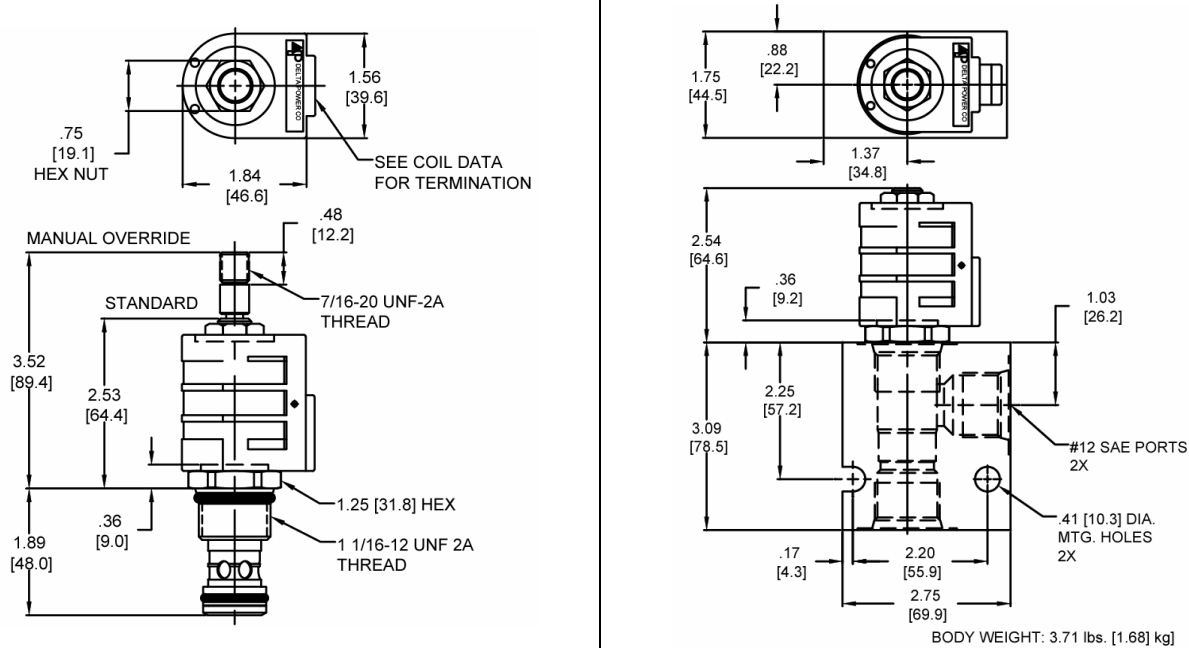
Nominal Flow	25 GPM (95 LPM)
Rated Operating Pressure	3000 PSI (207 bar)
Typical Internal Leakage (150 SSU)	0-5 drops/min
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temperature Range	-40° to 250° F (-40° to 120° C)
Weight	.49 lbs. (.22 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	70 ft-lbs (94.9 Nm)
Coil Nut Torque Requirements	4-6 ft-lbs (5.4-8.1 Nm)
Cavity	TECNORD 2W
Cavity Form Tool (Finishing)	40500032
Seal Kit	21191300

TTS2B00

Solenoid Operated Directional Controls



DIMENSIONS



ORDERING INFORMATION

TT-S2B - - - -			
OPTIONS		BODIES	
Buna Standard	00	Blank	Without Body
Viton Standard	V0	S	#12 SAE Ports
Buna, Override	0M		
Viton, Override	VM		
Buna & Screen	A0		
Viton & Screen	W0		
Buna, Override, Non-detent	B1		
Viton, Override, Non-detent	V1		
Buna, Screen, Override, Non-detent	B3		
Buna, Screen, Override, Detent	B4		
Viton, Screen, Override, Non-detent	V3		
Viton, Screen, Override, Detent	V4		
Note: Use screen only if flow direction is from (1) to (2).			
"D" 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 "D" 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: .74 lbs. (.33 kg.)