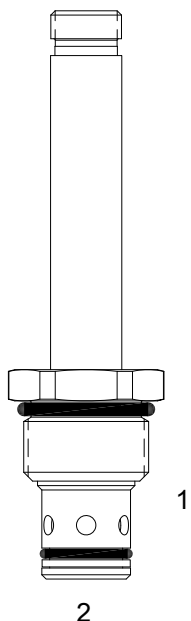


## DE-S2D PILOT OPERATED POPPET, 2 WAY NORMALLY OPEN



### DESCRIPTION

10 size, 7/8-14 thread, "Delta" series, solenoid operated, 2 way normally open, pilot operated poppet valve with free reverse flow energized and de-energized.

### OPERATION

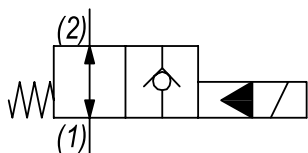
When de-energized the DE-S2D allows flow to pass from (1) to (2) and (2) to (1). When energized the valve blocks flow from (1) to (2) but allows free reverse flow from (2) to (1).

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

### FEATURES

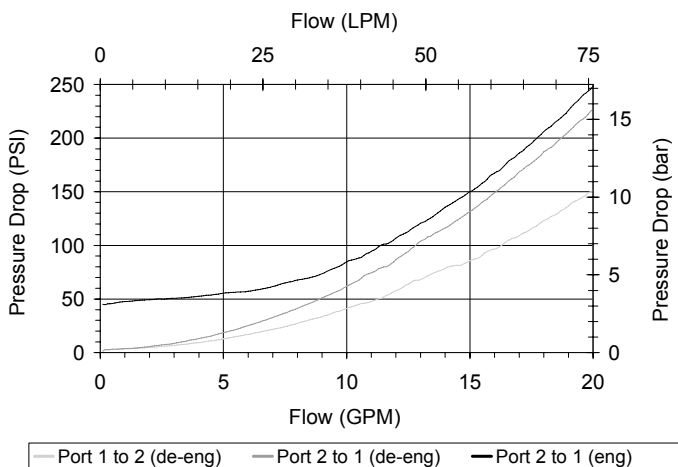
- Hardened parts for long life.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Manual override option.
- Industry common cavity.
- Unitized, molded coil design.
- Continuous duty rated solenoid.
- Optional coil voltages and terminations.
- Optional "I" Coil: Weatherproof, Thermal Shock, Immersion Safe.

### HYDRAULIC SYMBOL



### PERFORMANCE

Actual Test Data (Cartridge Only)



### VALVE SPECIFICATIONS

Nominal Flow	15 GPM (57 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 Temp. Range	-40° to 250°F (-40° to 120°C)
Weight	.29 lbs (.13 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	30 ft-lbs (40.6 Nm)
Coil Nut Torque Requirements	4-6 ft-lbs (5.4-8.1 Nm)
Cavity	DELTA 2W
Cavity Tools Kit	
(form tool, reamer, tap)	40500000
Seal Kit	21191200

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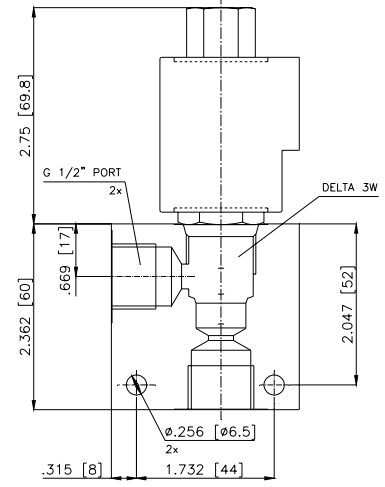
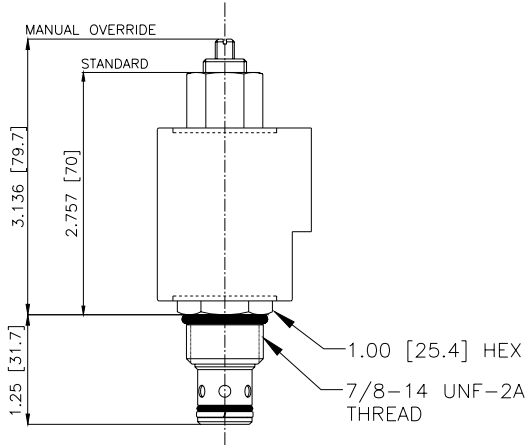
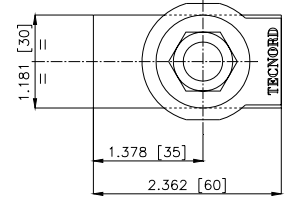
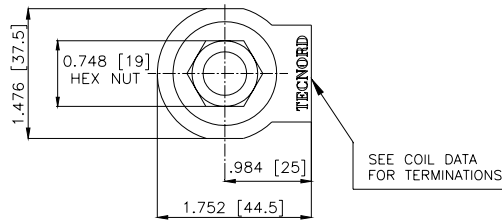


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**DIMENSIONS**



**ORDERING INFORMATION**

Approximate Coil Weight: .56 lbs (.25 kg)

**DE-S2D**

- OPTIONS**
- Buna Standard **00**
  - Viton Standard **V0**
  - Buna, Override, Detent **0M**
  - Viton, Override, Detent **VM**
  - Buna, Override, Knob **0K**
  - 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)**

**"V" COIL TERMINATION**  
(All DC Except as Noted)

**DL** Double Lead  
(several types of termination can be attached on leads on request)

**HC** DIN 43650 (Hirschmann) - (AC&DC)  
**DI** Deutsch - Integral DT04-2P

**IMMERSION PROOF "D" TYPE**

- DIA** "1" Coil AMP Superseal - Integral
- DID** "1" Coil Deutsch - Integral DT04-2P
- DIJ** "1" Coil AMP Jr. Timer - Integral
- DIM** "1" Coil Metri-Pack - Integral

- BODIES**
- Blank** Without Body
  - N** 1/2" BSP Ports
  - S** #8 SAE Ports

- VOLTAGE** (other voltages available on request)
- 12** 12 VDC
  - 24** 24 VDC
  - 22** 220 VAC without internal rectifier

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