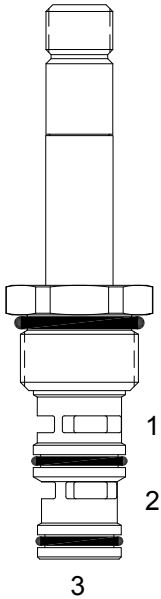


**DF-S3T DIRECT ACTING SPOOL, 3 WAY 2 POSITION, TRANSMISSION & BRAKE**

**DESCRIPTION**

10 size, 7/8-14 thread, "Delta" series, solenoid operated, 3 way 2 position, transmission & brake spool valve.

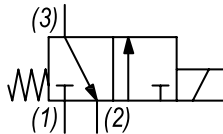
**OPERATION**

When de-energized the DF-S3T allows flow from (3) to (2) and blocks flow at port (1). When energized the valve allows flow from (1) to (3) and blocks flow at port (2).

**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**

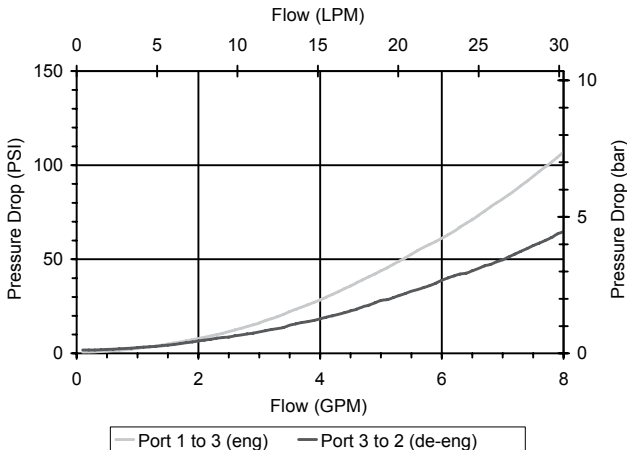
- Hardened parts for long life.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Manual override option.
- Industry common cavity.
- Unitized, molded coil design.
- Continuous duty rated solenoid.
- Optional coil voltages and terminations.
- Optional "I" Coil: Weatherproof,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

**HYDRAULIC SYMBOL**


*Contamination Tolerant Product.*  
This valve is designed for transmission and brake applications. Consult factory for alternate low wattage coil options.

**PERFORMANCE**

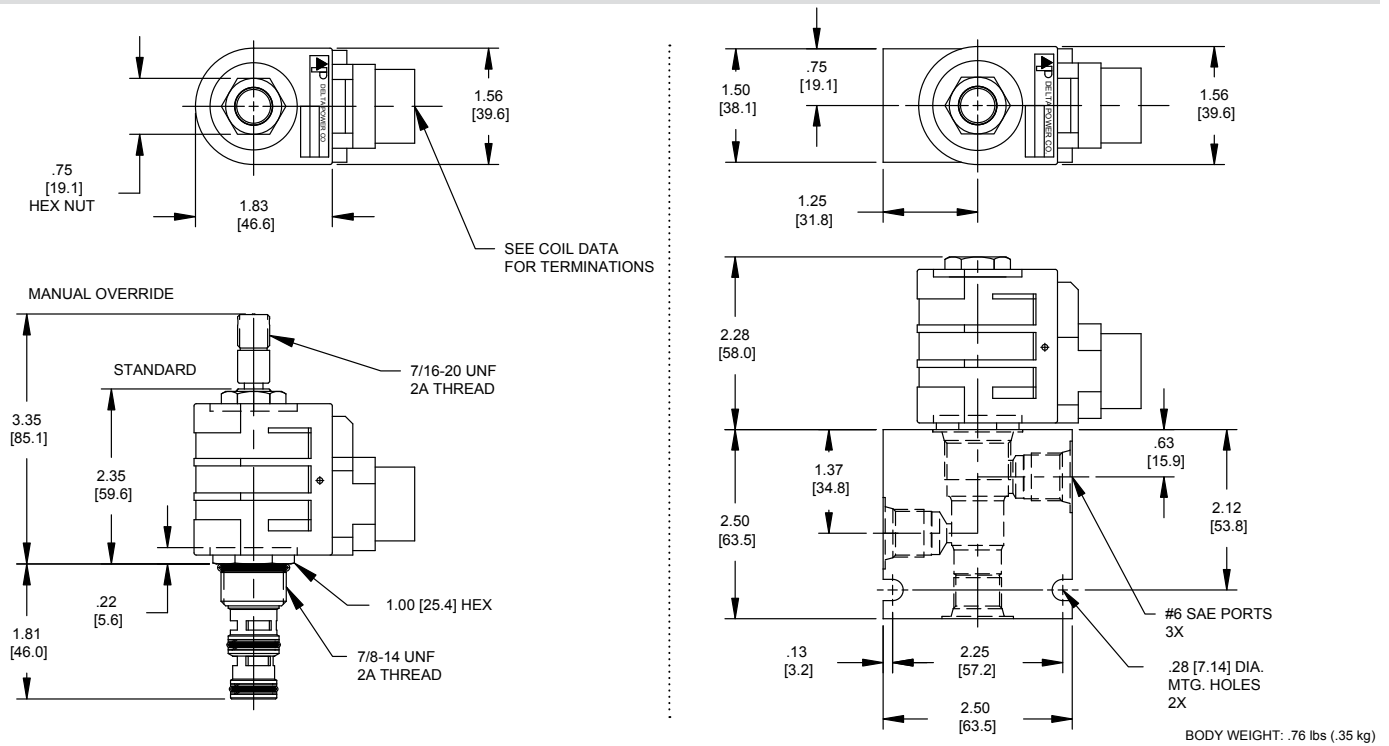
Actual Test Data (Cartridge Only)


**VALVE SPECIFICATIONS**

Nominal Flow	8 GPM (30 LPM)
Rated Operating Pressure	1500 PSI (103 bar)
Typical Internal Leakage (150 SSU)	5 cu in/min (82 ml/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	.28 lbs (.12 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 3W
Cavity Tools Kit	
(form tool, reamer, tap)	40500001
Seal Kit	21191204

**WARNING:** the specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described (herein). Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.

**DIMENSIONS**



**ORDERING INFORMATION**

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

**DF-S3T**

- OPTIONS**
- Buna Standard **00**
  - Viton Standard **V0**
  - Buna, Override **0M**
  - Viton, Override **VM**
  - Buna, Override, Non-detent **B1**
  - Viton, Override, Non-detent **V1**
  - Buna, Screen **A0**
  - Viton, Screen **W0**
  - Buna, Screen, Override, Non-detent **B3**
  - Viton, Screen, Override, Non-detent **V3**
  - Buna, Screen, Override, Detent **B4**
  - 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)

- 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

- 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** 115 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

W/44/12-2022

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