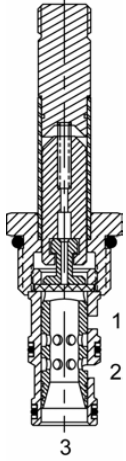


DF-S3B Direct Acting Spool, 3 Way 2 Position, Selector



DESCRIPTION

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

OPERATION

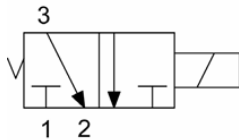
When de-energized the DF-S3B allows flow from (3) to (2) and blocks flow at port (1). When energized the valve allows flow from (3) to (1) and blocks flow at port (2).

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

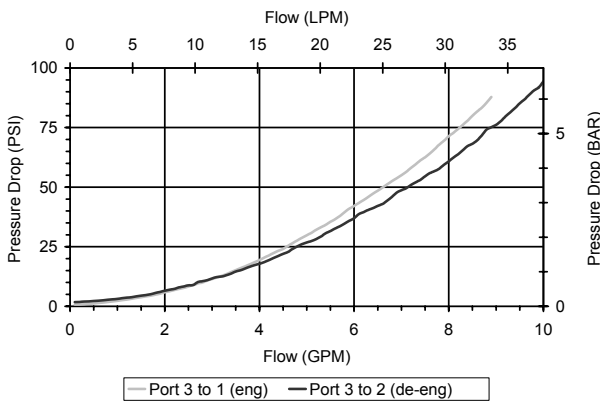


Trapped differentials above 1500 PSI from ports 2 to 1 can create shift issues near flow rating. (Differentials to 3000 psi from 1 to 2 are not an issue.)

For higher pressures consult HF-S3B.

PERFORMANCE

Actual Test Data (Cartridge Only)



VALVE SPECIFICATIONS

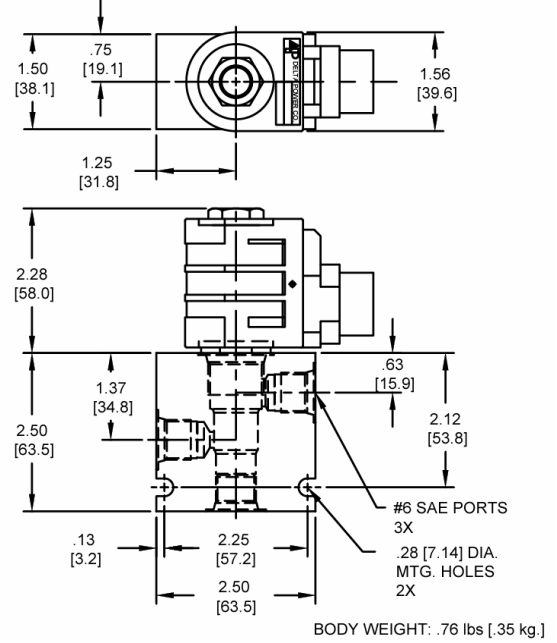
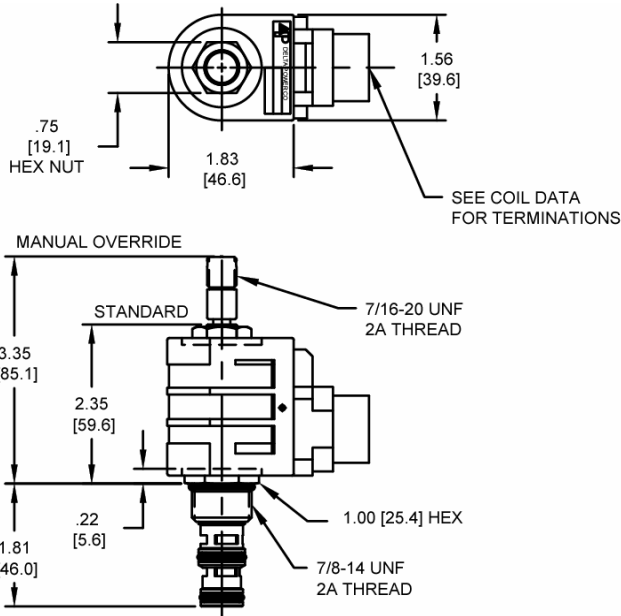
Nominal Flow	8 GPM (30 LPM)
Rated Operating Pressure	3000 PSI (207 bar)
Typical Internal Leakage (150 SSU)	5 cu/in per min (82 ml/min)
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temperature Range	-40° to 250° F (-40° to 120° C)
Weight	.28 lbs. (.12 kg)
Operating 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 Form Tool (Finishing)	40500001
Seal Kit	21191210

DFS3B00

Solenoid Operated Directional Controls



DIMENSIONS



ORDERING INFORMATION

DF-S3B - - - -

OPTIONS

- Buna Standard 00
- Viton Standard V0
- 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).

- BODIES**
- Blank
 - 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
- 11 120 VAC
- 22 220 VAC
- 44 440 VAC

"D" COIL TERMINATION
(All DC Except as Noted)

- DL Double Leads
- 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
- HS Din 43650 (Hirshman) - (AC & DC)
- CL Conduit Lead - (AC Only)
- DI Deutsch - Integral DT04-2P

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.