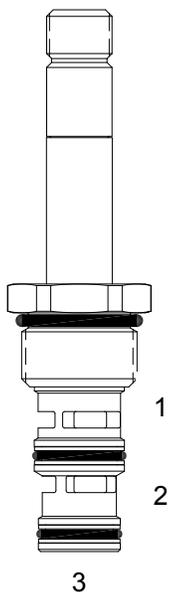


DF-S3B DIRECT ACTING SPOOL, 3 WAY 2 POSITION, SELECTOR



DESCRIPTION

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

OPERATION

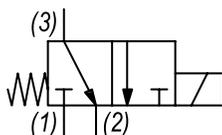
When de-energized the DF-S3B allows flow from (3) to (2) and blocks flow at port (1). When energized the valve allows flow from (3) to (1) and blocks flow at port (2).

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

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.

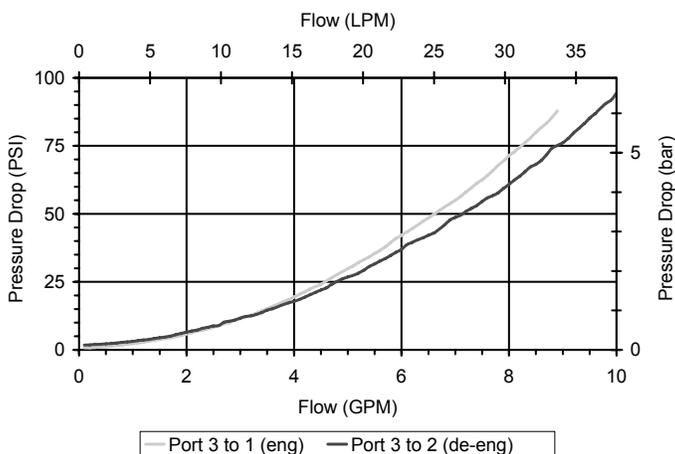
HYDRAULIC SYMBOL



Trapped differentials above 1500 PSI (103 bar) 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/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	21191210

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.

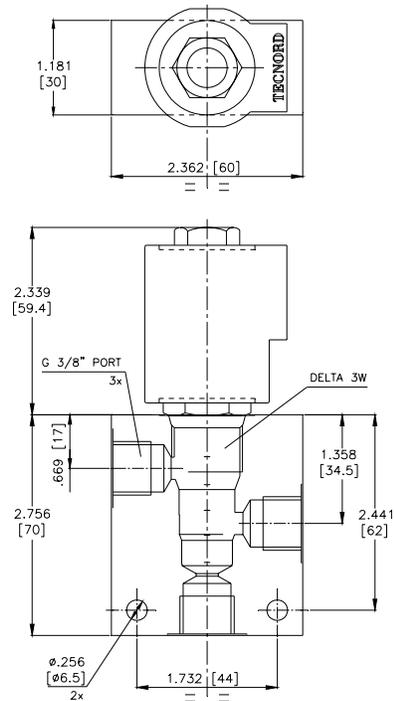
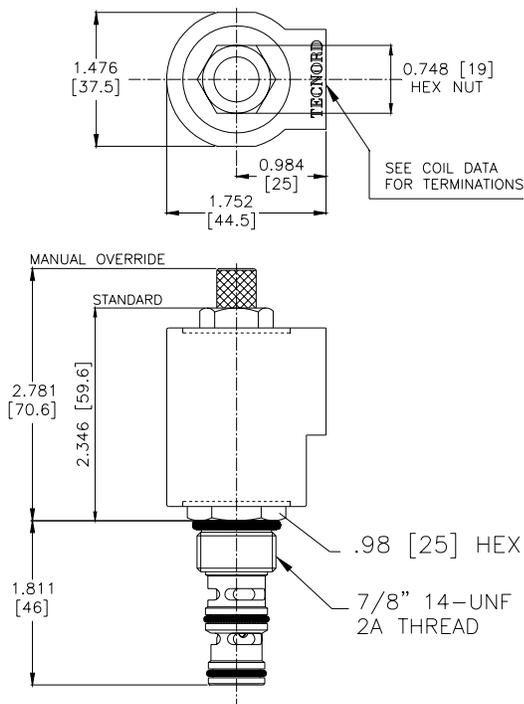


4484 Boeing Drive Rockford, IL 61109 • USA • Phone +1 (815) 397-6628 • Fax +1 (815) 397-2526
mail: delta@delta-power.com • www.delta-power.com



Via Malavolti, 36 • 41122 Modena • ITALY • Phone +39 (059) 254895 • Fax +39 (059) 253512
mail: tecnord@tecnord.com • www.tecnord.com

DIMENSIONS



ORDERING INFORMATION

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

DF-S3B

- OPTIONS**
- Buna Standard **00**
 - Viton Standard **V0**
 - Buna, Override, Detent **0M**
 - Viton, Override, Detent **VM**
 - Buna, Screen **A0**
 - Viton, Screen **W0**
 - Buna, Screen, Override **B2**
 - Viton, Screen, Override **V2**

Note: use screen only if flow direction is from (1) to (2)

- BODIES**
- Blank** Without Body
 - N** 3/8" BSP Ports
 - S** #6 SAE Ports

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

"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

W 9 / 2020

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.



4484 Boeing Drive Rockford, IL 61109 • USA • Phone +1 (815) 397-6628 • Fax +1 (815) 397-2526
mail: delta@delta-power.com • www.delta-power.com



Via Malavolti, 36 • 41122 Modena • ITALY • Phone +39 (059) 254895 • Fax +39 (059) 253512
mail: tecnord@tecnord.com • www.tecnord.com