HF-S3A DIRECT ACTING SPOOL, 3 WAY 2 POSITION



DESCRIPTION

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

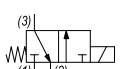
OPERATION

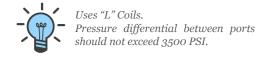
When de-energized the HF-S3A blocks flow at port (1) and allows flow from (3) to (2). When energized the valve allows flow from (1) to (3) and blocks flow at port (2).

FEATURES

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

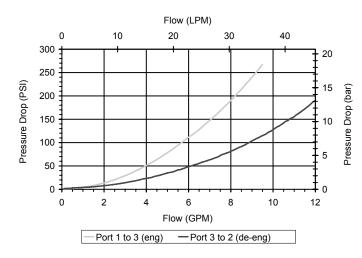
HYDRAULIC SYMBOL





PERFORMANCE

Actual Test Data (Cartridge Only)

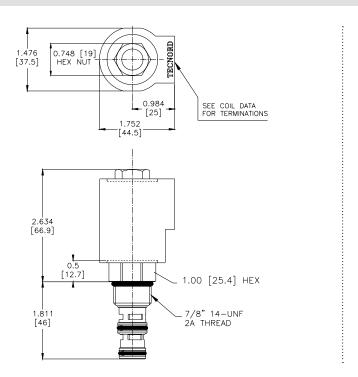


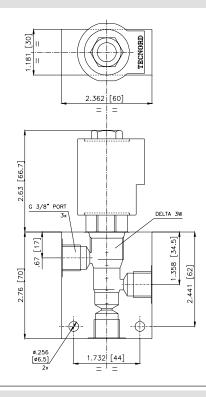
VALVE SPECIFICATIONS	
Nominal Flow	10 GPM (38 LPM)
Rated Operating Pressure	4000 PSI (276 bar)
Typical Internal Leakage (150 SSU)	8 cu in/min (131 ml/min)
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temp. Range	-40° to 250°F (-40° to 120°C)
Weight	.40 lbs (.18 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

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DIMENSIONS





ORDERING INFORMATION

HF-S3A **OPTIONS BODIES** Buna Standard 00 Blank Without Body Viton Standard V0 Ν 3/8" BSP Ports S #6 SAE Ports

Note: Aluminum, NOT durability rated for 4000 PSI. Consult factory for body options.

Approximate Coil Weight: .68 lbs (.31 kg)

VOLTAGE (other voltages available on request)

12 12 VDC

24 VDC 24

220 VAC without internal rectifier 22

LIA

LID

"L" 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 "L" TYPE

"I" Coil AMP Superseal - Integral "I" Coil Deutsch - Integral DT04-2P

"I" Coil AMP Jr. Timer - Integral LIJ LIM

"I" Coil Metri-Pack - Integral

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