**DESCRIPTION**

“High Pressure” 10 size, 7/8-14 thread, “Delta” series, solenoid operated, 2 way normally closed, pilot operated poppet valve with reverse flow de-energized.

**OPERATION**

When de-energized the HE-S2A blocks flow from (1) to (2) and allows reverse flow from (2) to (1). When energized the valve allows flow from (1) to (2) and restricts flow from (2) to (1).

**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.

**HYDRAULIC SYMBOL**

Uses “L” Coils.

**PERFORMANCE**

Actual Test Data (Cartridge Only)

**VALVE SPECIFICATIONS**

- **Nominal Flow**: 15 GPM (57 LPM)
- **Rated Operating Pressure**: 4000 PSI (276 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**: .39 lbs (.17 kg)
- **Operating Fluid Media**: General Purpose Hydraulic Fluid
- **Cartridge Torque Requirements**: 50 ft-lbs (67.8 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

**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.
SOLENOID OPERATED DIRECTIONAL CONTROLS

DIMENSIONS

**SOLENOID OPERATED DIRECTIONAL CONTROLS**

**BODIES**

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

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**ORDERING INFORMATION**

**OPTIONS**

- Buna Standard 00
- Viton Standard V0

**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

**OPTIONS BODIES**

- Blank Without Body
- 3/8 NPTF Ports N
- #8 SAE Ports S

**“L” 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

**IMMERSION PROOF “D” TYPE**

- IA “I” Coil AMP Superseal - Integral
- ID “I” Coil Deutsch - Integral DT04-2P
- IU “I” Coil AMP Jr. Timer - Integral
- IM “I” Coil Metri-Pack - Integral

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

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