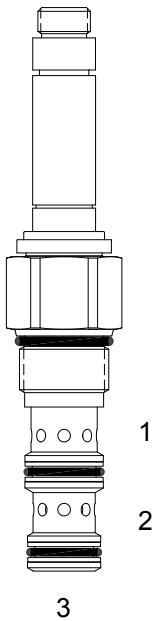


HU-S3E DIRECT ACTING SPOOL, 3 WAY 2 POSITION, HIGH PRESSURE



DESCRIPTION

12 size, 1 1/16-12 thread, "Tecnord" series, solenoid operated, 3 way 2 position, spool valve.

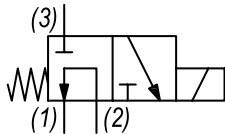
OPERATION

When de-energized the HU-S3E allows flow from (2) to (1) and blocks flow at port (3). When energized the valve allows flow from (3) to (2) and blocks flow at port (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.

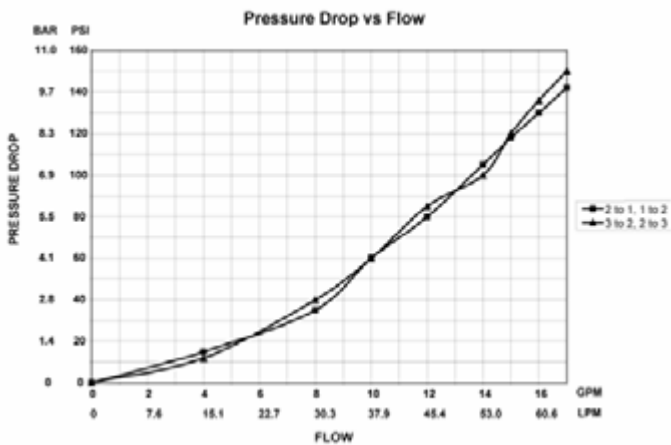
HYDRAULIC SYMBOL



Common usage is inlet at port (3).  
See HU-S3F for port (2) or port (1) inlet.

PERFORMANCE

Actual Test Data (Cartridge Only)

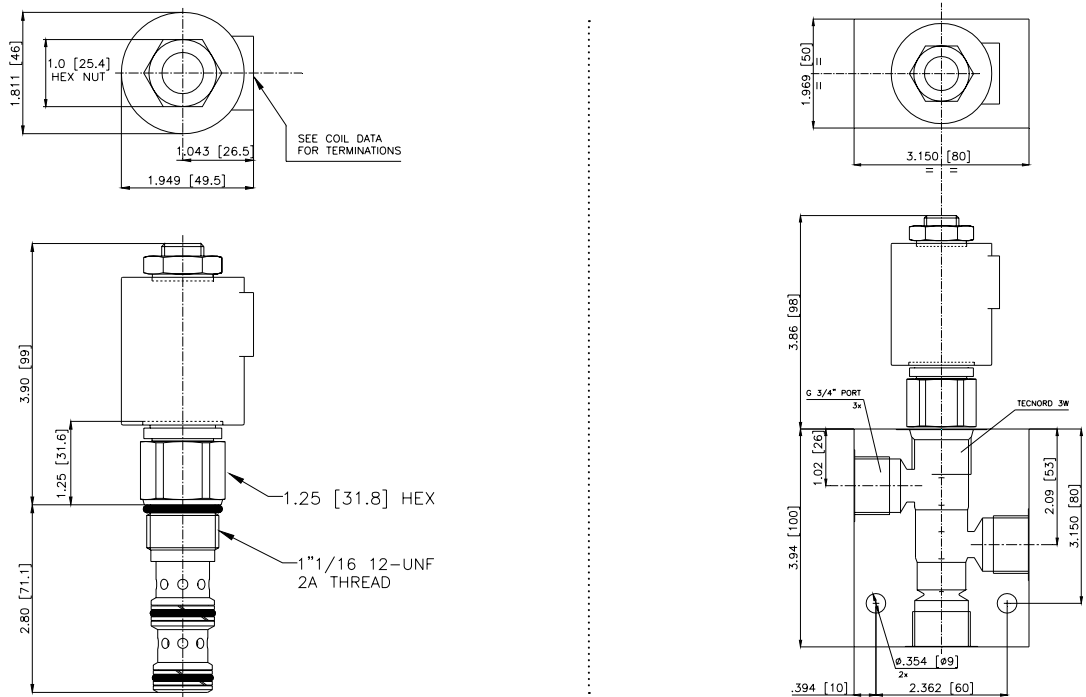


VALVE SPECIFICATIONS

|                                    |                                 |
|------------------------------------|---------------------------------|
| Nominal Flow                       | 15 GPM (57 LPM)                 |
| Rated Operating Pressure           | 5000 PSI (345 bar)              |
| Typical Internal Leakage (150 SSU) | 8 cu in/min @ 3000 PSI          |
| 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                             | 1.01 lbs (.46 kg)               |
| Operating Fluid Media              | General Purpose Hydraulic Fluid |
| Cartridge Torque Requirements      | 50 ft-lbs (67.8 Nm)             |
| Coil Nut Torque Requirements       | 5-7 ft-lbs (6.8-9.5 Nm)         |
| Cavity                             | TECNORD 3W                      |
| Cavity Tools Kit                   |                                 |
| (form tool, reamer, tap)           | 40500034                        |
| Seal Kit                           | 21191305                        |

**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: .78 lbs (.35 kg)

|                                                                    |    |                                                      |                                    |
|--------------------------------------------------------------------|----|------------------------------------------------------|------------------------------------|
| HU-S3E - - - - -                                                   |    |                                                      |                                    |
| <b>OPTIONS</b>                                                     |    | <b>BODIES</b>                                        |                                    |
| Buna Standard                                                      | 00 | Blank                                                | Without Body                       |
| Viton Standard                                                     | V0 | N                                                    | 3/4" BSP Ports                     |
|                                                                    |    | S                                                    | #10 SAE Ports                      |
| <b>"T" COIL TERMINATION</b>                                        |    | <b>VOLTAGE</b> (other voltages available on request) |                                    |
| (All DC Except as Noted)                                           |    | 12                                                   | 12 VDC                             |
| Double Lead                                                        |    | 24                                                   | 24 VDC                             |
| (several types of termination can be attached on leads on request) |    | 22                                                   | 220 VAC without internal rectifier |
| DIN 43650 (Hirschmann) - (AC&DC)                                   | HC |                                                      |                                    |