

- CV**  
Check Valves
- SH**  
Shuttle Valves
- LM**  
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- FC**  
Flow Controls
- PC**  
Pressure Controls
- LE**  
Logic Elements
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Coils & Electronics
- CB**  
Cartridge Bodies
- BC**  
Bodies & Cavities
- TD**  
Technical Data

### General Description

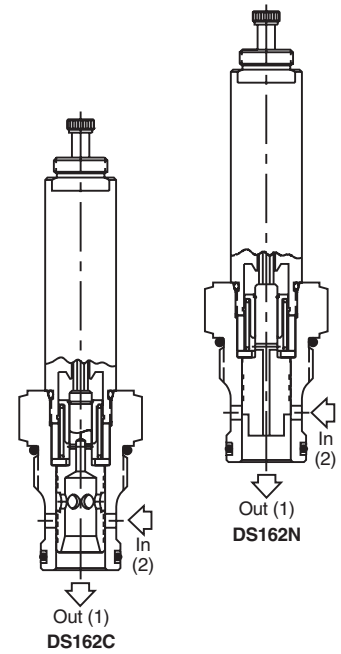
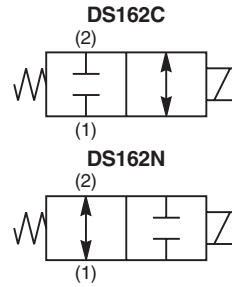
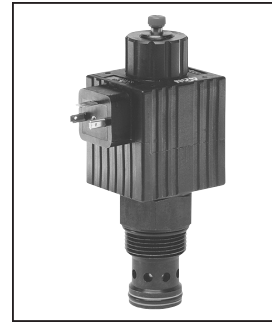
2-Way Spool Valves. For additional information see Technical Tips on pages SV1-SV5.

### Features

- Low hysteresis
- One-piece encapsulated coil with minimal amperage draw
- Variety of coil terminations and voltages
- Manual override standard (push and release)
- All external parts zinc plated

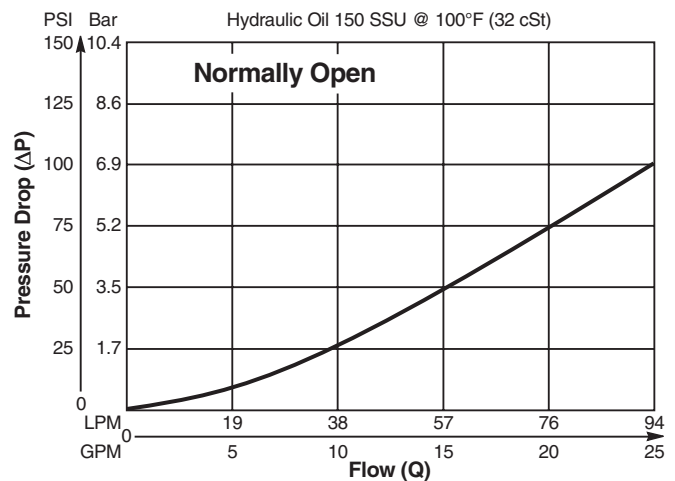
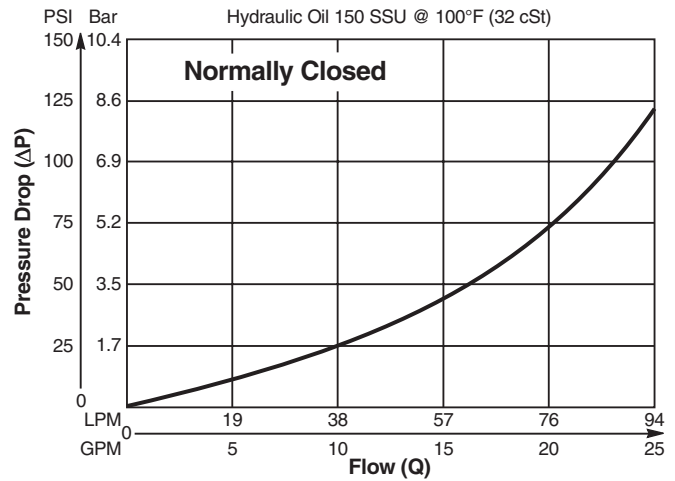
### Specifications

|                               |  |
|-------------------------------|--|
| Rated Flow                    | 75 LPM (20 GPM)  |
| Maximum Inlet Pressure        | 210 Bar (3000 PSI)   |
| Leakage at 150 SSU (32 cSt)   | 240 cc/min. (15 in <sup>3</sup> /min.)   |
| Minimum Operating Voltage     | 85% of rated voltage at 20°C (72°F).   |
| Response Time                 | <b>C</b> - 90 ms<br><b>N</b> - 100 ms  |
| Cartridge Material            | All parts steel. All operating parts hardened steel.   |
| Operating Temp. Range/Seals   | -34°C to +121°C (Nitrile) (-30°F to +250°F)<br>-26°C to +204°C (Fluorocarbon) (-15°F to +400°F)        |
| Fluid Compatibility/Viscosity | Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt) |
| Filtration                    | ISO 4406 18/16/13, SAE Class 4   |
| Approx. Weight                | .59 kg (1.3 lbs.)  |
| Cavity                        | C16-2 (See BC Section for more details)  |
| Form Tool                     | Rougher None<br>Finisher NFT16-2F  |

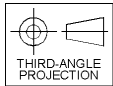
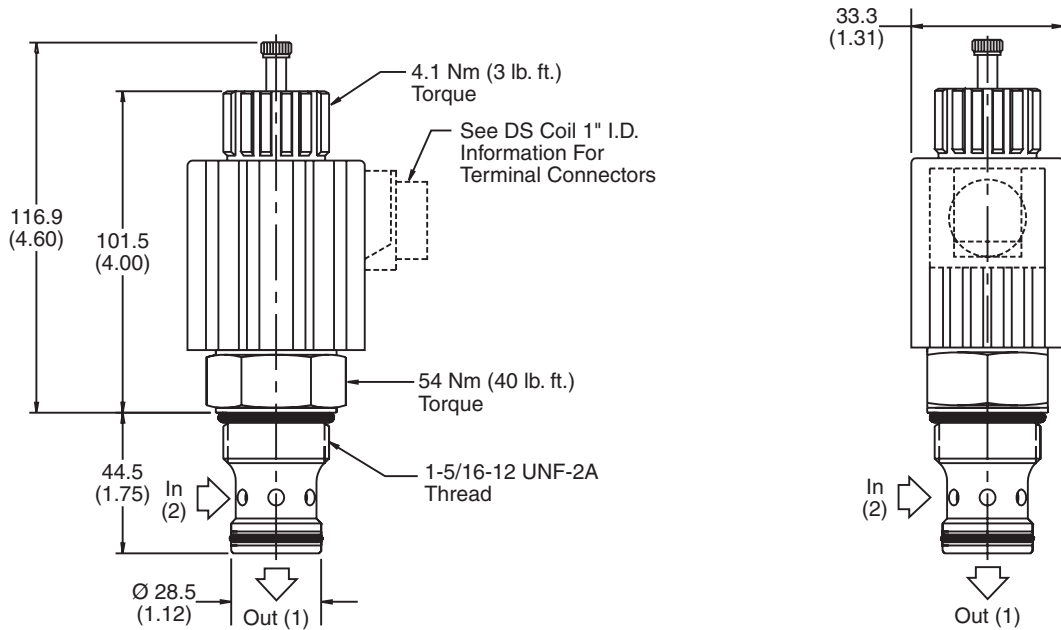


### Performance Curves

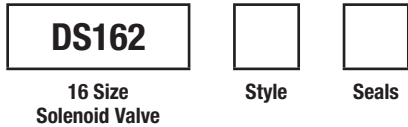
Pressure Drop vs. Flow (Through cartridge only)



**Dimensions** Millimeters (Inches)

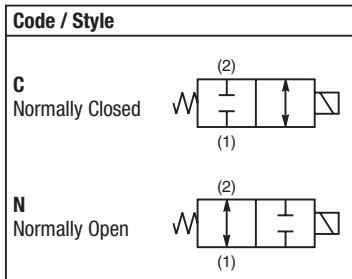


**Ordering Information**



**Highlighted** represents preferred options that offer the shortest lead times. Other options may be available, but at extended lead times.

**Coil(s) sold separately.** Please see section CE of this catalog, 1" Coil (DS series), for ordering information.



| Code     | Seals / Kit No.          |
|----------|--------------------------|
| <b>N</b> | Nitrile (SK16-2)         |
| V        | Fluorocarbon / (SK16-2V) |

*Order Bodies Separately  
 See section BC*



| Code | Port Size / Body Material     |
|------|-------------------------------|
| 16T  | SAE-16 / Steel (5000 PSI)     |
| A16T | SAE-16 / Aluminium (3000 PSI) |

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