



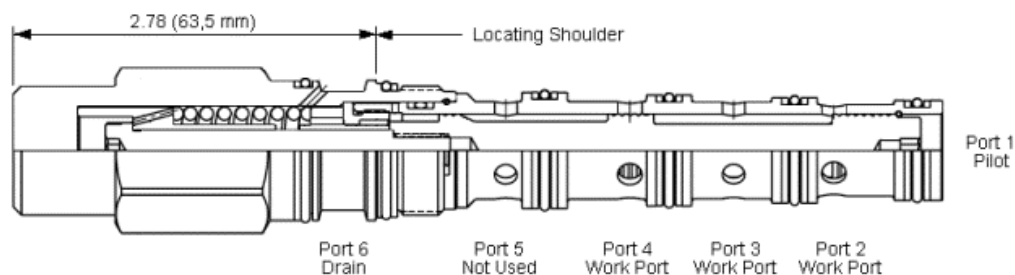
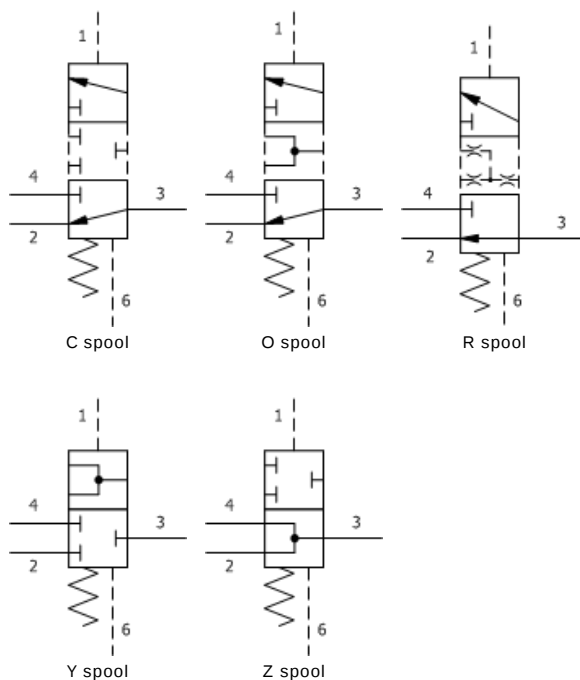
### 3-way, pilot-to-shift, directional valve

Capacity:  
20 gpm (80 L/min.)

Model:  
DDDG

#### Product Description

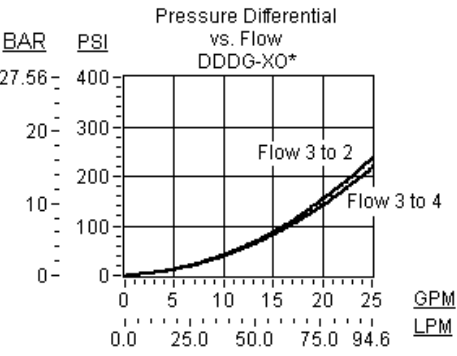
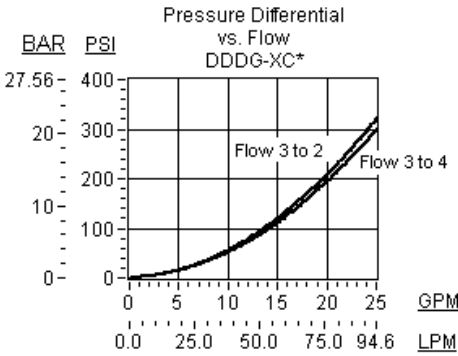
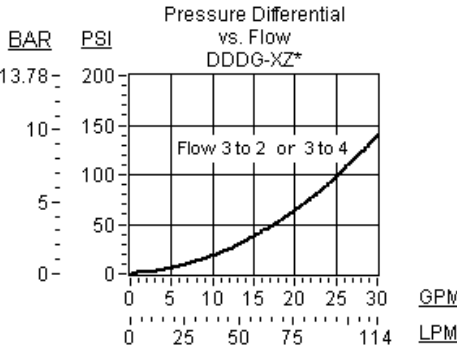
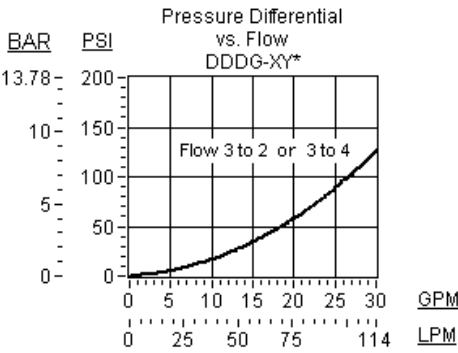
Two-position, 3-way directional cartridges are 6-port (port 5 is not used) directional valves that can be configured with up to 5 different spool configurations. The supply port is port 3 and all ports will accept 5000 psi (350 bar). Capacity for these pilot-to-shift valves is dependent on the spool type specified.



#### Technical Features

- Leakage listed in technical data is for each path.
- Pressure at port 6 directly opposes port 1.
- Hardened spool and sleeve provide consistent and low spool leakage rates and excellent wear characteristics.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.

| Technical Data                                       |                                  |                   |
|------------------------------------------------------|----------------------------------|-------------------|
|                                                      | U.S. Units                       | Metric Units      |
| Cavity                                               | T-52A                            |                   |
| Capacity                                             | 20 gpm                           | 80 L/min.         |
| Minimum Pilot Pressure Required to Shift Valve       | 145 psi                          | 10 bar            |
| Pilot Pressure Required for Full Shift at Rated Flow | 300 psi                          | 20 bar            |
| Maximum Operating Pressure                           | 5000 psi                         | 350 bar           |
| Maximum Valve Leakage at 110 SUS (24 cSt)            | 2 in <sup>3</sup> /min.@1000 psi | 30 cc/min.@70 bar |
| Pilot Volume Displacement                            | .05 in <sup>3</sup>              | 0.82 cc           |
| Series (from Cavity)                                 | Series 2                         |                   |
| Valve Hex Size                                       | 1 1/8 in.                        | 28,6 mm           |
| Valve Installation Torque                            | 45 - 50 lbf ft                   | 60 - 70 Nm        |
| Seal Kits - Cartridge                                | Buna: 990-052-007                |                   |
| Seal Kits - Cartridge                                | Viton: 990-052-006               |                   |
| Model Weight                                         | 1.11 lb.                         | 0.50 kg.          |



DDDG-XCN

Control

Standard Options

X Not Adjustable

Spool Configuration

Standard Options

- C Closed Crossover
- O Open Crossover
- R Restricted Crossover
- Y All Ports Blocked
- Z All Ports Open

Seal Material

Standard Options

- N Buna-N
- V Viton