



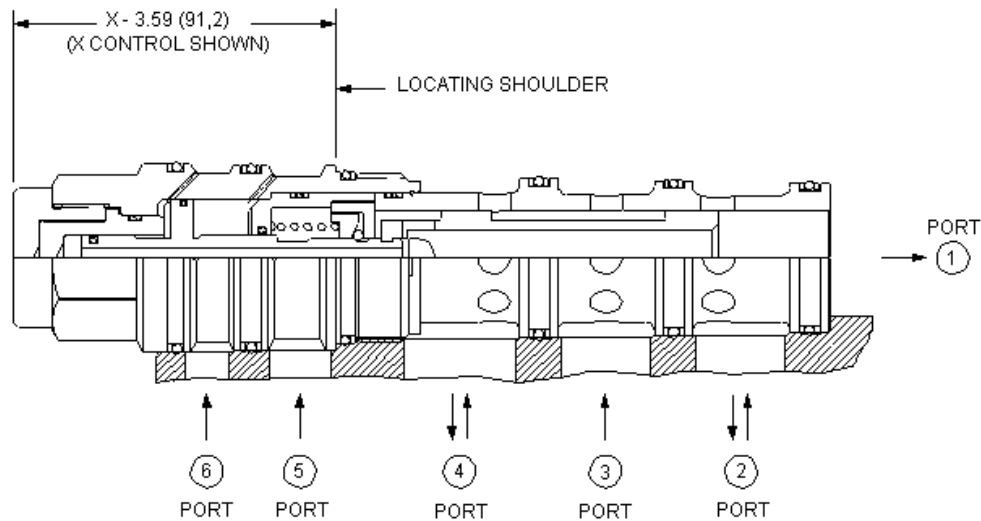
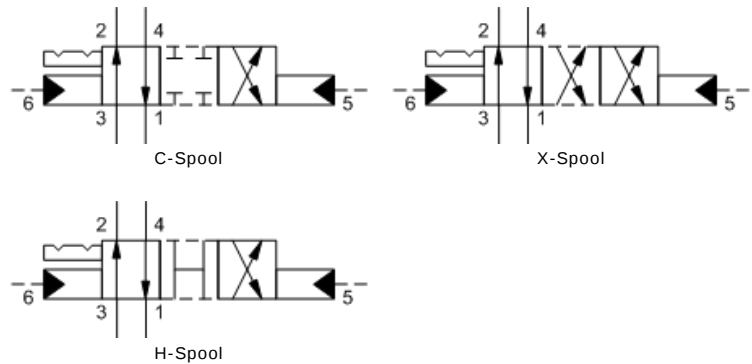
## 4-way, 2-position, pilot-to-shift, detented, directional valve

Capacity:  
80 - 120 gpm (320 - 480 L/min.)

Model:  
DCFD

### Product Description

Two-position, detented, 4-way directional cartridges are 6-port directional valves that can be configured with up to 3 different spool options. 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.



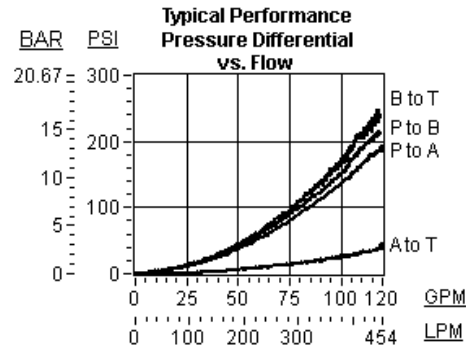
in. (mm)

### Technical Features

- All ports will accept 5000 psi (350 bar), including the x and y pilot ports (port 5 and port 6).
- Leakage listed in technical data is for each path.
- The pilot ports, 5 and 6, are positively sealed from the work ports.
- 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-64A                            |                   |
| Capacity                                       | 80 - 120 gpm                     | 320 - 480 L/min.  |
| Minimum Pilot Pressure Required to Shift Valve | 125 psi                          | 9 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                      | .84 in <sup>3</sup>              | 14 cc             |
| Series (from Cavity)                           | Series 4                         |                   |
| Valve Hex Size                                 | 1 5/8 in.                        | 41.3 mm           |
| Valve Installation Torque                      | 350 - 375 lbf ft                 | 475 - 500 Nm      |
| Seal Kits - Cartridge                          | Buna: 990-064-007                |                   |
| Seal Kits - Cartridge                          | Viton: 990-064-006               |                   |
| Model Weight                                   | 4.09 lb.                         | 1.86 kg.          |



DCFD-XCN

Control

Standard Options

X Standard Pilot

Spool Configuration

Standard Options

C Blocked Crossover  
H Open Crossover  
X P to B and A to T Crossover

Seal Material

Standard Options

N Buna-N  
V Viton