



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.

**TECHNICAL DATA** NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

|  |                                   |
|--|-----------------------------------|
| Cavity   | T-62A                             |
| Series   | 2                                 |
| Capacity                                       | 20 - 30 gpm                       |
| Maximum Operating Pressure                     | 5000 psi                          |
| Minimum Pilot Pressure Required to Shift Valve | 150 psi                           |
| Maximum Valve Leakage at 110 SUS (24 cSt)      | 2 in <sup>3</sup> /min. @1000 psi |
| Pilot Volume Displacement                      | .12 in <sup>3</sup>               |
| Valve Hex Size                                 | 1 1/8 in.                         |
| Valve Installation Torque                      | 45 - 50 lbf ft                    |
| Model Weight                                   | 0.77 lb.                          |
| Seal kit - Cartridge                           | Buna: 990-062-007                 |
| Seal kit - Cartridge                           | Polyurethane: 990-062-002         |
| Seal kit - Cartridge                           | Viton: 990-062-006                |

**OPTION SELECTION EXAMPLE: DCDDXCN**

| CONTROL                 | (X) SPOOL CONFIGURATION       | (C) SEAL MATERIAL | (N) MATERIAL/COATING                   |
|-------------------------|-------------------------------|-------------------|--|
| <b>X</b> Standard Pilot | <b>C</b> Blocked Crossover    | <b>N</b> Buna-N   | Standard Material/Coating              |
|                         | H Open Crossover              | V Viton           | <b>/AP</b> Stainless Steel, Passivated |
|                         | X P to B and A to T Crossover |                   | <b>/LH</b> Mild Steel, Zinc-Nickel     |

**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.

**PERFORMANCE CURVES**

