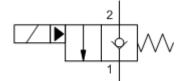
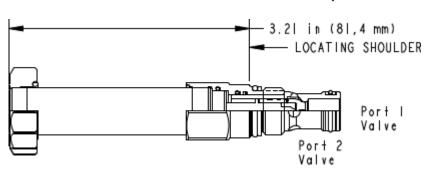




sunhydraulics.com/model/DFBD



X-Control, C-Poppet



This FLeX Series solenoid-operated 2-way, 2-stage cartridge is a pilot-operated directional poppet valve. The valve is low leakage and available in either a normally open or normally closed configuration to control flow from port 2 to port 1. A reverse flow check will allow flow from 1 to 2 in the closed condition. In the open condition, flow from 1 to 2 will cause the valve to auto-close and pilot flow will pass from 1 to 2.

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

| Maximum Operating Pressure | 3000 psi 50 psi 0.004 in³/min.@3000 psi 35 - 2000 SUS | | | | |
|---|---|--|--|--|--|
| Check Cracking Pressure | | | | | |
| Maximum Valve Leakage at 110 SUS (24 cSt) | | | | | |
| Viscosity Range | | | | | |
| Response Time - Typical | 50 ms | | | | |
| Switching Frequency | 15,000 max. cycles/hr | | | | |
| Seal kit - Cartridge | Buna: 990-162-007 | | | | |
| Seal kit - Cartridge | Viton: 990-162-006 | | | | |

NOTES: • Please verify cartridge clearance requirements when choosing a Sun manifold. Different valve controls and coils require different clearances.

• An additional 2.00 inches (50,8 mm) beyond the valve extension is needed for coil installation and removal.

| CONFIGURATION OPTIONS CONTROL | | | Model Code Example: DFBDXCN POPPET CONFIGURATION (C) | | SEAL MATERIAL | | (N) | COIL * | |
|----------------------------------|--|---|---|--|---------------|--------|-----|--------|---------------------------------------|
| Х | No Manual Override | С | Normally Closed | | Ν | Buna-N | | | No coil |
| D | Twist/Lock (Dual) Manual Override | н | Normally Open | | Е | EPDM | | * | Additional coil options are available |
| L | Twist/Lock (Detent) Manual Override | | | | v | Viton | | | |

- M Manual Override
- P Manual Pull Override
- T Twist (Momentary) Manual Override