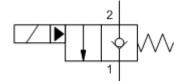
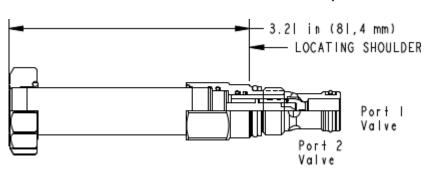




sunhydraulics.com/model/DFBD



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