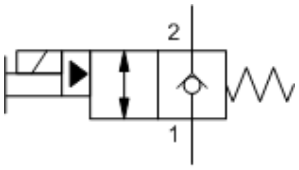
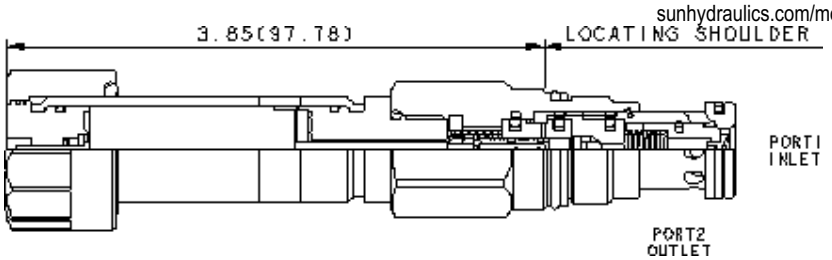
MODEL
**DFCA**

2-way, 2-stage, solenoid-operated directional poppet valve - flow 1-2
**SERIES 1 / CAPACITY: 60 L/min. / CAVITY: T-13A**

sunhydraulics.com/model/DFCA




M-Control, C-Poppet




## CONFIGURATION

| | | |
|---|---|---|
| **M** | Control | Manual Override |
| **C** | Poppet Configuration | Normally Closed |
| **N** | Seal Material | Buna-N |
| **(none)** | Coil | No coil |

This solenoid controlled, 2-way, 2-position cartridge is a pilot-operated, poppet style directional valve with reverse free flow check. It is available in either a normally open or normally closed configuration. Due to its poppet style construction, it has extremely low leakage.

## TECHNICAL DATA

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

| | |
|---|---|
| Maximum Operating Pressure | 350 bar |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 0,7 cc/min.@350 bar |
| Check Cracking Pressure | 3,5 bar |
| Response Time - Typical | 30 ms |
| Switching Frequency | 15,000 max. cycles/hr |
| Seal kit - Cartridge | Buna: 990310007 |
| Seal kit - Cartridge | Viton: 990310006 |

## 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

**Model Code Example: DFCAMCN**

| CONTROL | (M) | POPPET CONFIGURATION | (C) | SEAL MATERIAL | (N) | COIL * |
|---|---|---|---|---|---|---|
| **M** | Manual Override | **C** | Normally Closed | **N** | Buna-N | No coil |
| **X** | No Manual Override | **H** | Normally Open | **E** | EPDM | **212** DIN 43650-Form A, 12 VDC |
| **D** | Twist/Lock (Dual) Manual Override | | | **V** | Viton | **224** DIN 43650-Form A, 24 VDC |
| **L** | Twist/Lock (Detent) Manual Override | | | | | **912** Deutsch DT04-2P, 12 VDC |
| **T** | Twist (Momentary) Manual Override | | | | | **924** Deutsch DT04-2P, 24 VDC |

* Additional coil options are available

© 2024 Sun Hydraulics