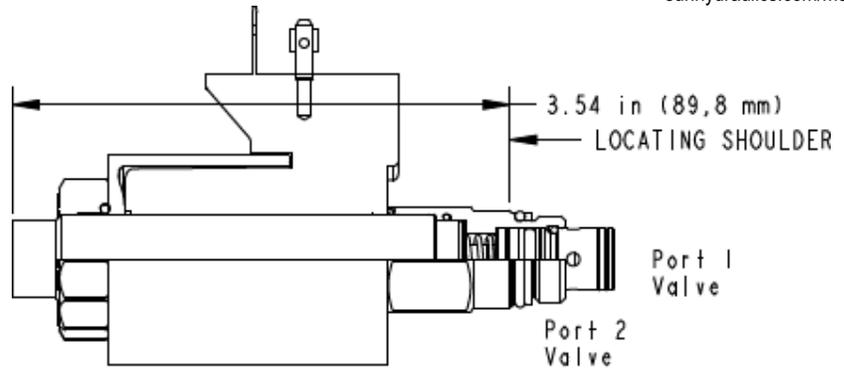


M-Control, H-Poppet


CONFIGURATION

| | |
|-------------------------------|--------------------------|
| M Control | Manual Override |
| H Poppet Configuration | Normally Open |
| N Seal Material | Buna-N |
| 224 Coil | DIN 43650-Form A, 24 VDC |

This FLeX Series solenoid-operated 2-way, 2-position cartridge is a direct-acting directional poppet valve. Available in either normally open or normally closed configurations, these valves feature a pressure-balanced design, low leakage, and allow flow or blocking in both directions.

This cartridge can be installed directly into a cavity in the end of many of Sun's pilot operated and ventable valves to provide integrated pilot control.

TECHNICAL DATA

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

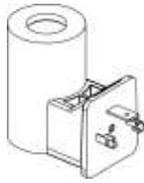
| | |
|---|-----------------------|
| Maximum Operating Pressure | 350 bar |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 0,07 cc/min.@350 bar |
| Viscosity Range | 2,8 - 380 cSt |
| Response Time - Typical | 50 ms |
| Switching Frequency | 15,000 max. cycles/hr |
| U.S. Patent # | 10,302,201 |
| Seal kit - Cartridge | Buna: 990608007 |
| Seal kit - Cartridge | Viton: 990608006 |

NOTES

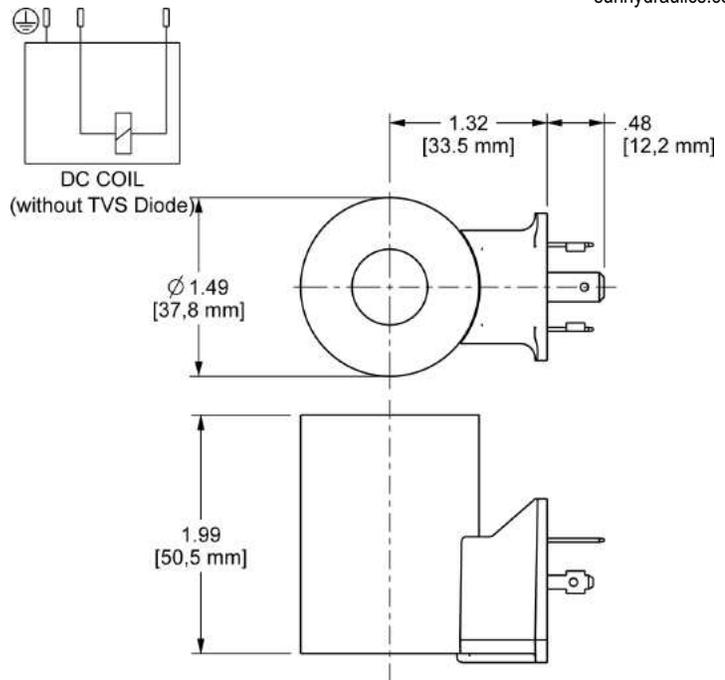
- For Series 1 cartridges configured with an O control (panel mount handknob), a .75 in. (19 mm) diameter hole is required in the panel.
- Please verify cartridge clearance requirements when choosing a Sun manifold. Different valve controls and coils require different clearances.
- An additional 2.00 inches (50,8 mm) beyond the valve extension is needed for coil installation and removal.

CONFIGURATION OPTIONS
Model Code Example: DTAFMHN224

| CONTROL | (M) | POPPET CONFIGURATION | (H) | SEAL MATERIAL | (N) | COIL * | (224) |
|--|-----|--------------------------|-----|-----------------|-----|---|-------|
| M Manual Override | | H Normally Open | | N Buna-N | | 224 DIN 43650-Form A, 24 VDC | |
| X No Manual Override | | C Normally Closed | | E EPDM | | No coil | |
| D Twist/Lock (Dual) Manual Override | | | | V Viton | | * Additional coil options are available | |
| L Twist/Lock (Detent) Manual Override | | | | | | | |
| T Twist (Momentary) Manual Override | | | | | | | |



CONFIGURATION



TECHNICAL DATA

| | |
|---|--|
| Operating Temperature Range | -40 to 110 °C |
| Arc Suppression (TVS) | None |
| Power Consumption (cold) - at rated voltage | 25 Watts |
| Maximum Ambient Temperature | 50 °C |
| Voltage/Frequency | 24 VDC |
| Operating Voltage Range | +10%/-15% |
| Duty Cycle Rating | 100 % |
| Connector | ISO4400 - EN/DIN175301-803, Form A (ISO/DIN 43650) 3-pin |
| Coil Nut Torque | 0,5 Nm |

USED WITH

| | | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|--------|------|
| DBAF | DBAFS | DFBF | DFBG | DFCI | DFCJ | DFDI | DFDJ | DFEI | DFEJ |
| DFFI | DFFJ | DLDF | DLDFS | DMBF | DNBF | DTAF | DTAFS | DTBF | DTCF |
| DTDF | DTDFS | DWBF | DWDF | FDEP | FMDF | FMDG | FPBF | FPBG | FPBI |
| FPBJ | FPBU | FREP | PRDF | PRDG | RPEI | RVCK | RVCL | RVCM | RVCN |
| 991711300 | 991711600 | 991712300 | 991712600 | 991713030 | 991713060 | 991740001 | XMD-01 | XMD-02 | |