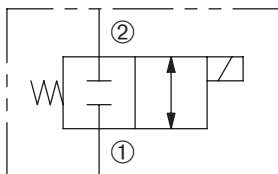


DSV2-080-2NCS

Normally-Closed, Two-Way, Two-Position,
Spool-Type Solenoid Valve



SERIES 8



DESCRIPTION

A cartridge valve designed to operate as a bi-directional blocking valve.

OPERATION

When de-energized, the DSV2-080-2NCS blocks flow in both directions.

When energized, the cartridge's spool shifts to allow flow in either direction.

Operation of Manual Override Option M: To override, push button in, twist counterclockwise and release. In this position, the valve will remain open. To return to normal operation, push button in, twist clockwise and release. Override will be detented in this position. **Option MP, MF, MM:** To override, pull spring-loaded knob/adaptor on top of valve. Release to return to normal operation.

FEATURES and BENEFITS

- Both ports may be fully pressurized.
- Continuous-duty solenoid.
- Hardened precision spool and sleeve for long life.
- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Optional coil voltages and terminations.
- Manual override option.
- Industry common cavity.

SPECIFICATIONS

Operating Pressure: 3000 PSI (207 Bar)

Flow: See PRESSURE DROP VS. FLOW graph.

Internal Leakage: 5 in.³/min. (82 cc/min.) max. at 3000 PSI (207 Bar)

Temperature: -30° F to +250° F (-35°C to +120° C)

Coil Rating: Continuous from 85% to 110% of rated voltage.

Current Draw: 12 VDC is 1.3 amps.

Minimum Pull-In Voltage: 85% of rated voltage at 3000 PSI (207 Bar)

Response Time: 80% of final change of state with 100% voltage supplied at 100% of nominal flow rating.

Pull-In: 12 VDC 85 m. sec. **Drop-Out:** 12 VDC 95 m. sec.

Recommended Filtration: ISO 17/15/13

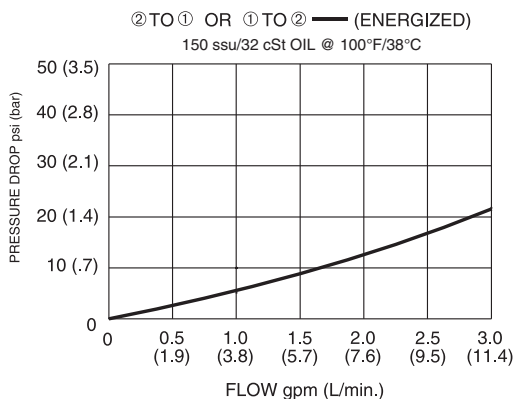
Fluids: Mineral-based fluids. For other fluid compatibility consult factory.

Cavity/Cavity Tool: 080-2, see page 11.08.2

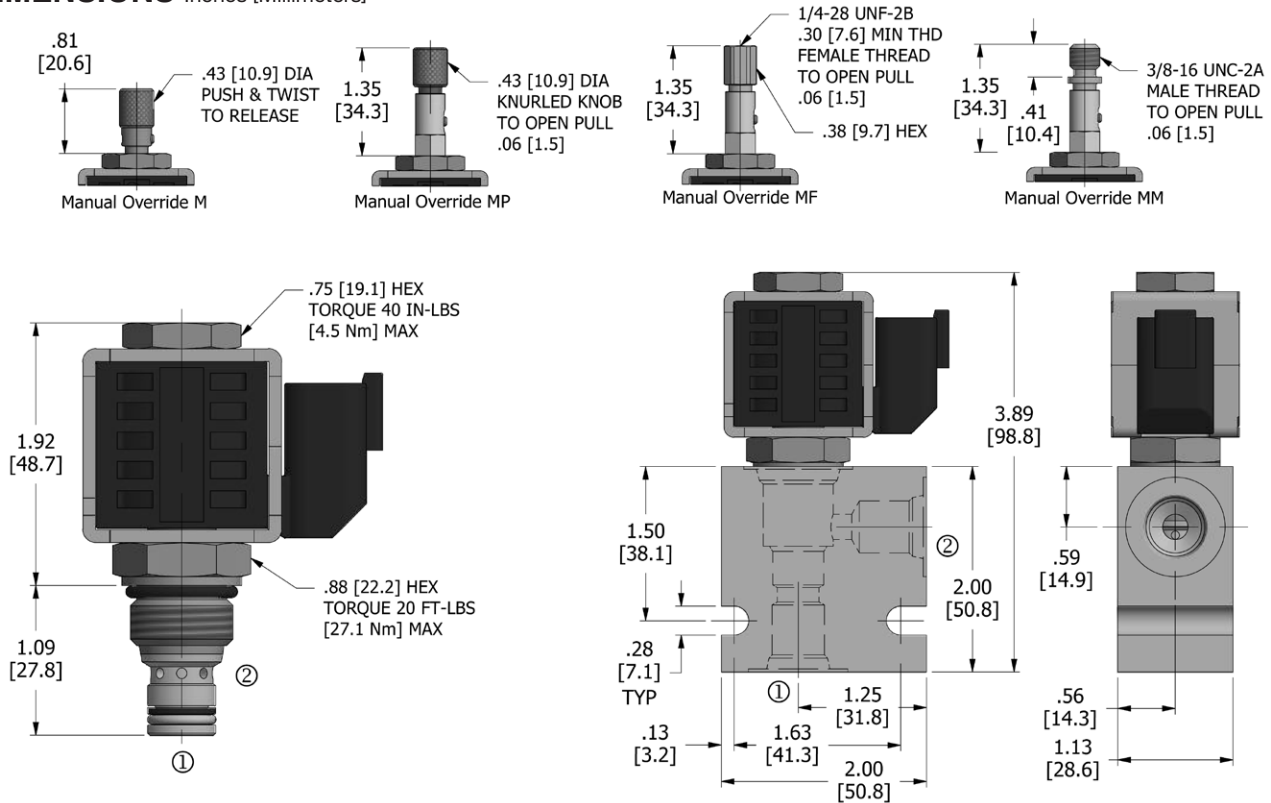
In-Line Body Material: Anodized 6061T6 aluminum
alloy rated at 3000 PSI (207 Bar).



PRESSURE DROP VS. FLOW



DIMENSIONS Inches [Millimeters]



HOW TO ORDER

DSV2	-	080	-	2		NC		S	-	*	-	*	-	**		**	-	**
Solenoid Valve		Cavity		Flow Path		Normally Closed		Spool		Seals		Manual Override		Voltage		Termination		Porting

Seals		Seal Kit
N	Buna N	DSK-080-2-N-A
V	Viton	DSK-080-2-V-A

Manual Override	
omit	No manual override
M	Detented in both positions
MP	Knurled Knob Pull
MF	Female Pull 1/4-28 UNF
MM	Male Pull 3/8-16 UNC

Voltage†	
omit	Cartridge only w/nut
D1	DC 12 Volt
D2	DC 24 Volt
D9	DC 20 Volt
D10	DC 10 Volt
A5	AC 120 Volt
A6	AC 240 Volt

Termination†	
omit	Cartridge only w/nut
DE	Double Lead
SE	Single Lead
HS	Hirschmann®
CS	Conduit
BE	Double Spade
EE	Single Stud
UE	Deutsch
PE	Metri-Pack
JE	Amp Junior Timer

Porting†		In-Line Body w/o Cartridge
omit	Cartridge only w/nut	
2N	1/4 PTF	B-080-2-2N
3N	3/8 PTF	B-080-2-3N
4T	SAE 4	B-080-2-4T
6T	SAE 6	B-080-2-6T

† Other options available – consult factory

All variations may not be configurable. Minimum order quantities may be required on other models. Contact Deltrol Fluid Products for complete details.