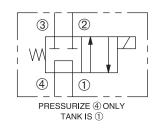
DSV2-080-4TC

Four-Way, Two-Position, Spool-Type Solenoid Valve



SERIES 8





DESCRIPTION

A cartridge valve designed as a four-way, spool-type, directional control valve, with two ports normally-closed and two ports normally-open. This valve is commonly used in a series circuit to allow flow to and from a double-acting cylinder or motor.

OPERATION

When de-energized, the DSV2-080-4TC allows flow from (4) to (1) and is blocked at 2 and 3.

When energized, the cartridge's spool shifts and allows flow from 4 to 3 and from 2 to 1.

Operation of Manual Override Option: To override, push button in, twist counterclockwise and release. In this position, valve will remain detented in the shifted condition.

To return to normal operation, push button in, twist clockwise and release. Override will be detented in this position.

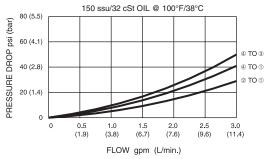
FEATURES and BENEFITS

- 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: (Per land) 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 45 m. sec. Drop-Out: 12 VDC 11 m. sec. Recommended Filtration: ISO 17/15/13 Fluids: Mineral-based fluids. For other fluid compatibility, consult factory. Cavity/Cavity Tool: 080-4, see page 11.08.4 In-Line Body Material: Anodized 6061T6 aluminum alloy rated at 3000 PSI (207 Bar).

PRESSURE DROP VS. FLOW 4 TO 3 (ENERGIZED) 2 TO 1 (ENERGIZED) @ TO 1 (DE-ENERGIZED)



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LIK OFFICE

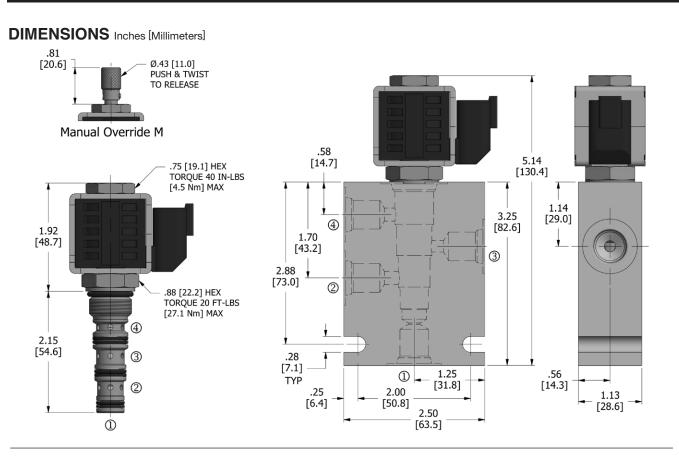


DSV2-080-4TC

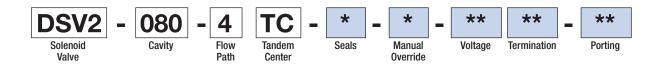
Four-Way, Two-Position, Spool-Type Solenoid Valve

SERIES 8

SOLENOID



HOW TO ORDER



Seals		Seal Kit	Voltage [†]			Т	ermination [†]			Porting [†]	In-Line Body
Ν	Buna N	DSK-080-4-N-A	omit	Cartridge only w/nut		omit	Cartridge only w/nut		omit	Cartridge only w/nut	w/o Cartridge
V	Viton		D1	DC 12 Volt		DE	Double Lead		2N	1/4 PTF	B-080-4-2N
D2 DC 24 Volt					SE	Single Lead		ЗN	3/8 PTF	B-080-4-3N	
Manual Override			D9	DC 20 Volt		HS	Hirschmann®		4T	SAE 4	B-080-4-4T
omit No manual override			D10	DC 10 Volt		CS	Conduit		6T	SAE 6	B-080-4-6T
-	M Manual override		A5	AC 120 Volt		BE	Double Spade	_			
IVI			A6	AC 240 Volt		EE	Single Stud				
				·		UE	Deutsch				
						PE	Metri-Pack				

JE

† 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.

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Amp Junior Timer

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