

Solenoid Valves Catalog 3-Way, 2-Position Spool

HSV08-23-02



OPERATION

This is a direct-acting, 3-way, 2-position, spool-type solenoid valve. Recommend the following connections: port 3 to inlet, port 1 to actuator and port 2 to drain. When de-energized, the HSV08-23-02 allows flow from port 1 to port 2, while port 3 is blocked. When energized, flow is allowed from port 3 to port 1, while port 2 is blocked. Follow the "Operating Envelope" limits to ensure shifting of the valve during operation.

APPLICATIONS

Common applications include on-off control of single-acting cylinders, clutches, or motors. Solenoid spool-type valves are direct acting and respond quickly to coil voltage input. Spool valves will have some leakage due to spool clearance, so if your application requires no leakage at the working port(s), apply a low leakage poppet valve(s), like PO check valve, counterbalance valve, etc., in addition to this solenoid valve.



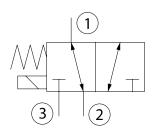
Shown with Standard Coil, **Deutsch Connector**

SPECIFICATIONS

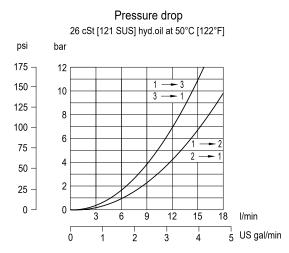
Rated pressure*	350 bar [5075 psi]
Rated flow at 7 bar	16 l/min
[100 psi]	[4.2 US gal/min]
Weight	0.35 kg [0.77 lb]
Cavity	SDC08-3
Standard Coil	M13 20 Watt
Robust Coil	R13 16 Watt
	Robust Nut P/N 173800539
	(no coil O-rings needed)

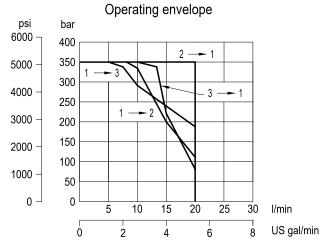
^{*} Rated Pressure based on NFPA fatigue test standards (at 1 Million Cycles).

SCHEMATIC



PERFORMANCE CURVES

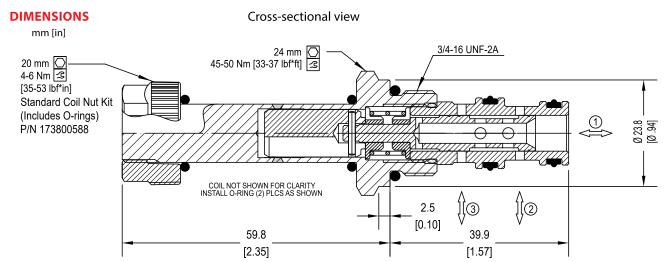




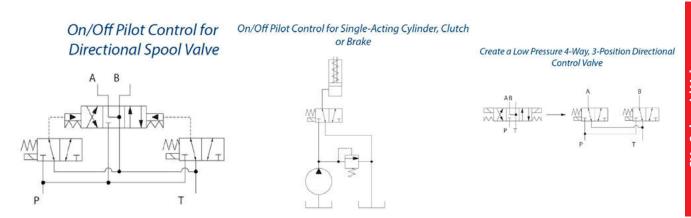


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EXAMPLE CIRCUITS



ORDERING INFORMATION

