



HYDRAULIC VALVES

(DIRECTIONAL CONTROL)

SELECTOR VALVES SD5 SERIES Specification Sheet



The CROSS SD5 2-wheel/4-wheel selector valve is a special version of the SD series valve with a special spool and body. It has been specifically designed for use with hydrostatic transmissions and permits selection of either 2-wheel (Transport mode) or 4-wheel (Work mode) drive positions.

GENERAL SPECIFICATIONS

Maximum working pressure.....	5000 psi (345 bar)
Maximum shock and surge pressure.....	6000 psi (414 bar)
Maximum flow capacity.....	50 gpm (189.3 l/m)
Shipping weight.....	10 lbs. (4.5 Kg)
Mounting.....	2-bolt, any position

MATERIAL SPECIFICATIONS

Body	High tensile strength cast iron
Spool	Ground, plated and polished steel
Seals	Buna N

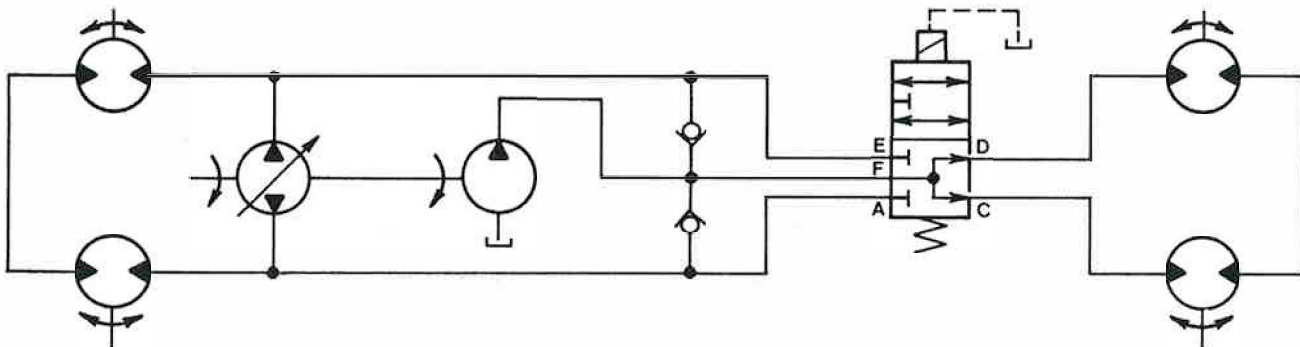
STANDARD FEATURES

- 1 1/16 - 12 (3/4", SAE #12) ports
- 12 VDC solenoid actuator
- 2-wheel/4-wheel selector spool
- Spring return
- 7/16-20 charge pressure port

OPTIONAL FEATURES AVAILABLE

- 3/4-16 (1/2", SAE #8) ports
- 1 5/16-12 (1", SAE #16) ports
- 3/4" NPTF ports
- Handle actuator
- Knob
- Clevis
- Actuator at either side
- Pilot actuator
- Charge pressure port sizes to 1 5/16-12

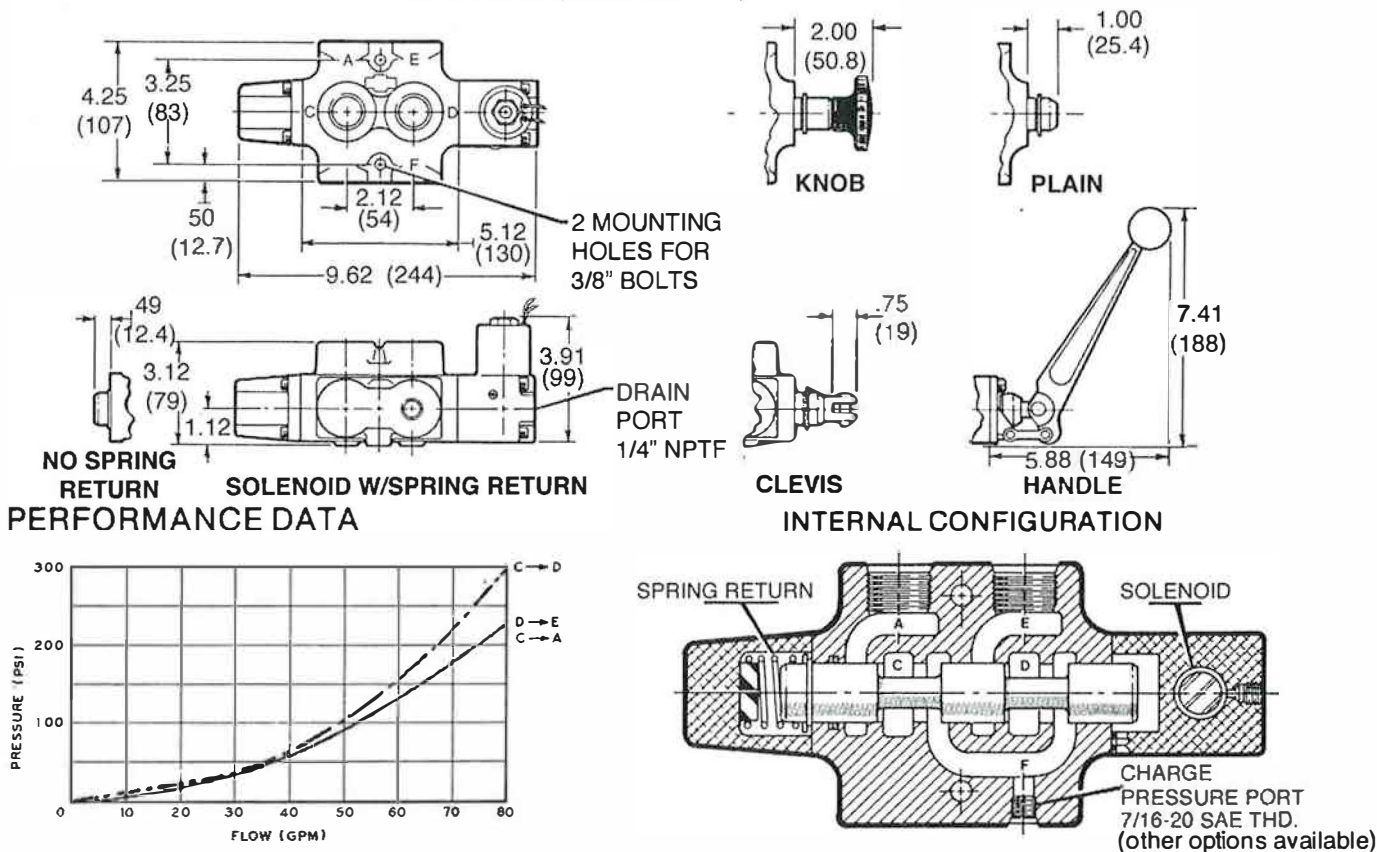
APPLICATION



Note that when in 2-wheel drive, supercharge oil is supplied to the non-driving wheels, preventing cavitation. When operating in 2-wheel drive for long periods of time, it may be necessary to occasionally shift into 4-wheel drive in order to cool the non-driving wheel motors.



DIMENSIONAL DATA in inches and (millimeters)



ORDERING DATA

SERIES	MODEL	ACTUATOR LOCATION	ACTUATOR OPTIONS	END CAP OPTIONS	SPOOL TYPE	PORT SIZE (PORTS A, E, C, D)
SD	5 50 gpm	A Port C side B Port D side	A - Handle C - Clevis K - Knob L - Plain S - 12v DC Solenoid T - 24v DC Solenoid U - Hydraulic Pilot G - Other, Specify	L - Plain B - Spring Return D - 2 pos. Detent U - Hydraulic Pilot G - Other Specify	A 2-wheel/4-wheel selector	2 3/4-16 (SAE 8) 4 3/4" NPTF 5 1 1/16-12 (SAE 12) 7 1 5/16-12 (SAE 16)
SD	5	B	S	B	A	5

Example: SD5BSBA5 is a 2-wheel/4-wheel selector valve with 12v DC solenoid actuator at the "D" port side with spring return and 1 1/16 - 12 (SAE 12) ports.

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