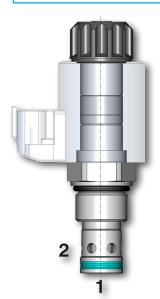
SD3E-C2*S5(S6)

1-1/16-12 UN • Q_{max} 150 l/min (40 GPM) • p_{max} 350 bar (5100 PSI)



Technical Features

- > Hardened precision parts
- > High flow capacity and high tightness of poppet in the seat
- > High transmitted hydraulic power, max. pressure 350 bar
- > Normally open and normally closed version
- > Wide range of manual overrides available
- > All ports may be fully pressurized
- > Coil interchangeability among SD*- C/H* product line
- > In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

2-way, 2-position pilot operated poppet valve in form of a screw-in cartridge. The valve is used mainly for on-off bi-directional control of flow to actuators with leak-free closing in both directions.

Model Code	2S5	256
Symbol	2	2

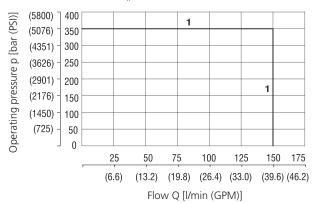
Technical Data

Valve size / Cartridge cavity			1-1/16-12 UN / C2 (VC12-2)	
			High performance	
Max. flow		l/min (GPM)	150 (39.6)	
Fluid temperature range (FPM) Ambient temperature range Max. inner leakage of closed valve at kinematic viscosity 32 mm²/s Supply voltage tolerance Max. switching frequency		bar (PSI)	350 (5080)	
		°C (°F)	-3080 (-22176)	
		°C (°F)	-2080 (-4176)	
		°C (°F)	-3080 (-22176)	
		cm³/min	0.7	
		%	AC, DC: ± 15	
		1/h	7 000	
		kg (lbs)	0.40 (0.88)	
		Datasheet	Туре	
		GI_0060	Products and operating conditions	
Coil types		C_8007	C22B*	
Valve bodies	In-line mounted	SB_0018	SB-C2*	
valve bodies	Sandwich mounted	SB-04(06,10)_0028	on request	
Cavity details / Form tools		SMT_0019	SMT-C2*	
Spare parts		SP_8010		

Characteristics measured at $v = 32 \text{ mm}^2\text{/s}$ (156 SUS)

Operating limits - High performance

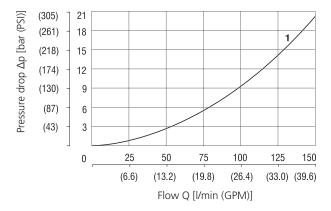
Oil 80 °C (176 °F) / Ambient temperature 50 °C (122 °F) / Voltage U_0 -10% (21.6 V DC)



	Model	Connection
1	2S5	1→2, 2→1
1	2S6	1→2, 2→1

Pressure drop related to flow rate

- High performance

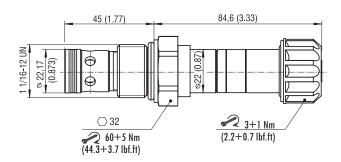


	Model	Connection	Solenoid
1	2S5	1→2, 2→1	on
1	2S6	1→2, 2→1	off

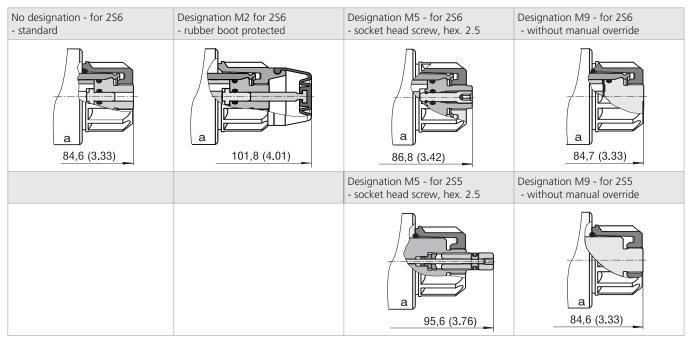
For operating limits under conditions other than shown contact the technical support.



High performance

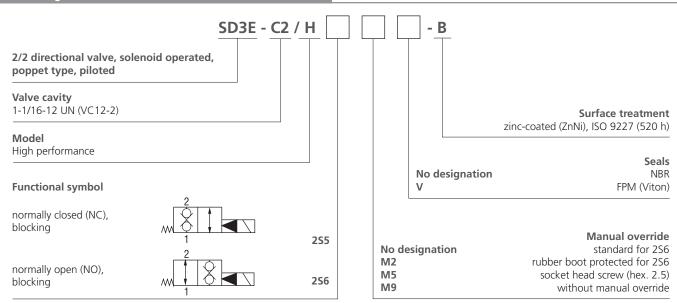


Manual Override in millimeters (inches)



In case of solenoid malfunction or power failure, the valve poppet can be shifted by manual override under the condition that the pressure in the back line does not exceed 25 bar (363 PSI). For alternative manual overrides contact our technical support.

Ordering Code



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