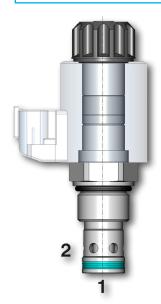


SD3E-C2*S5(S6)

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 (520 h corrosion protection in NSS 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

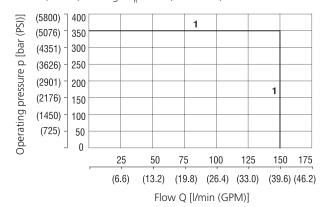
Technical Data

Valve size / Cartridge cavity			1-1/16-12 UN / C2	
			High performance	
Max. flow		l/min (GPM)	150 (39.6)	
Max. operating pressure		bar (PSI)	350 (5080)	
Fluid temperature range (NBR)		°C (°F)	-3080 (-22176)	
Fluid temperature range (FPM)		°C (°F)	-2080 (-4176)	
Ambient temperature range		°C (°F)	-3080 (-22176)	
Max. inner leakage of closed valve at kinematic viscosity 32 mm²/s		cm³/min	0.7	
Supply voltage tolerance		%	AC, DC: ± 15	
Max. switching frequency		1/h	7 000	
Weight without coil		kg (lbs)	0.40 (0.88)	
		Datasheet	Type	
General information		GI_0060	Products and operating conditions	
Coil types		C_8007	C22B*	
Value badies	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

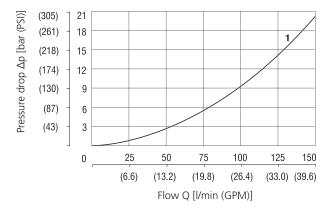
Oil 80 °C (176 °F) / Ambient temperature 50 °C (122 °F) / Voltage U_n -10% (21.6 V DC)



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

Pressure drop related to flow rate

- High performance

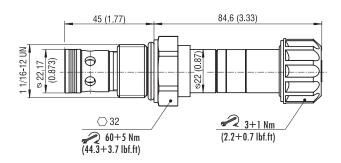


	Model	Connection	Solenoid
1	2S5	1→2, 2→1	on
1	2S6	1→2, 2→1	off

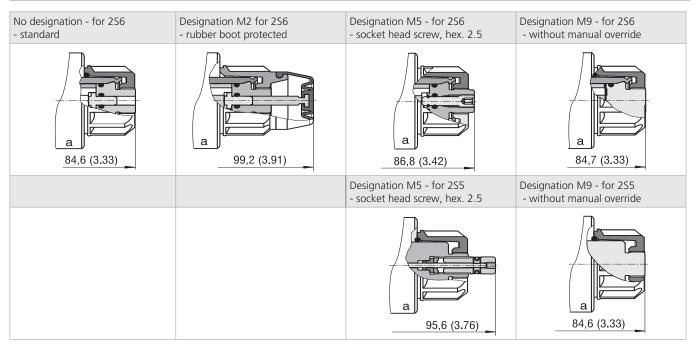
For operating limits under conditions other than shown contact the technical support.



High performance

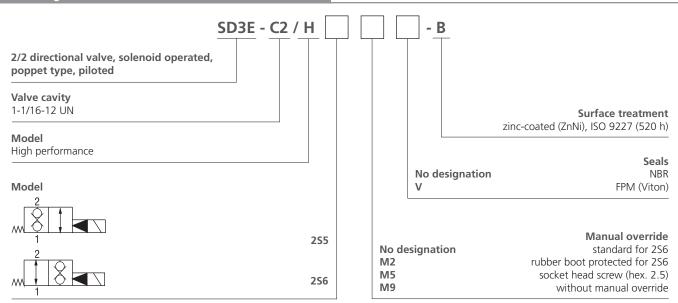


Manual Override in millimeters (inches)



In case of solenoid malfunction or power failure, the spool of the valve can be shifted by manual override as long as the pressure in port 1 does not exceed 25 bar (363 PSI). For alternative manual overrides contact our technical support.

Ordering Code



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