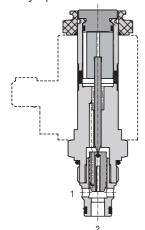
SD3E-A2

30 l/min (8 GPM) • p 420 bar (6100 PSI)

Normally Open



Technical Features

- Hardened precision parts
- > High flow capacity
- High transmitted hydraulic power
- Wide range of manual overrides available
- All ports may be fully pressurized
- Variety of optional spools available
- Coil interchangeability among SD*-A* product line
- Standard version zinc-coated with surface protection acc. to ISO 9227 (240 h salt spray)

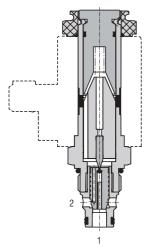
Functional Description

2-way, 2-position high pressure, piloted 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 one direction.

Symbol

202 2L2 Model Code

Normally Closed



Technical Data

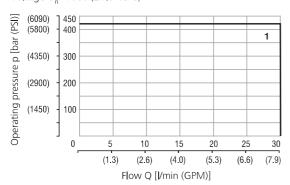
Valve size / Cartridge cavity		3/4-16 UNF-2A / A2
Max. flow	l/min (GPM)	30 (7.9)
Max. operating pressure	bar (PSI)	420 (6090)
Fluid temperature range	°C (°F)	-2080 (-4176)
Ambient temperature range	°C (°F)	-2080 (-4176)
Supply voltage tolerance	%	AC, DC: ± 15
Max. switching frequency	1/h	15 000
Mass without coil	kg (lbs)	0.20 (0.44)

		Datasheet	Тур	oe -
General information		GI_0060	Products and operating conditions	
Coil types		C_8007	C14B*	C19B*
Valve bodies	In-line mounted	SB_0018	SB-A2*	
	Sandwich mounted	SB-04(06)_0028	SB-*A2*	
Cavity details / Form tools		SMT_0019	SMT-A2*	
Spare parts		SP 8010		

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

Operating limits

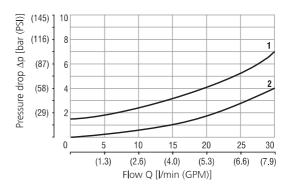
Oil 80 °C (176 °F) / Ambient temperature 50 °C (122 °F) / Voltage U₂ -10% (21.6 VDC)



	Model	Connection
1	2L2	1→2, 2→1
1	202	1→2, 2→1

For operating limits under conditions and flow directions other than shown contact our technical support.

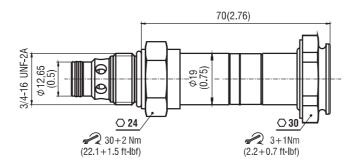
Pressure drop related to flow rate



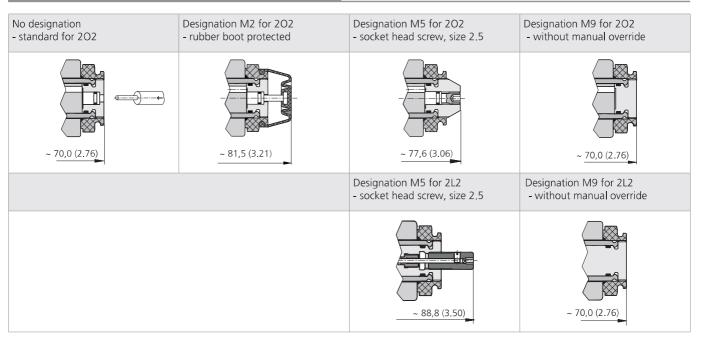
	Model	Connection	Solenoid
1	H2L2	1→2	off
2	H2L2	1→2	on
2	H2L2	2→1	on
2	H2O2	1→2	off
2	H2O2	2→1	off
2	H2O2	1→2	on

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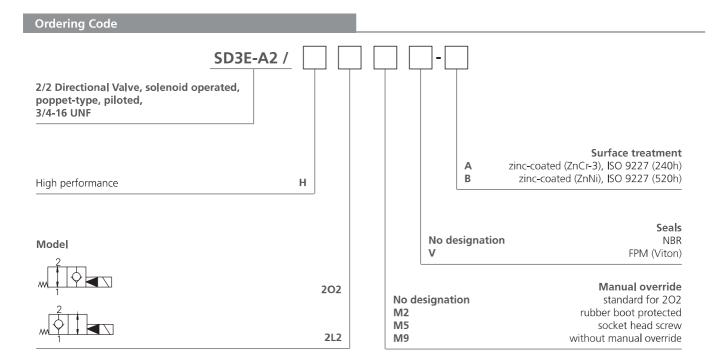




Manual Override in millimeters (inches)



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 T does not exceed 25 bar (363 PSI). For alternative manual overrides contact our technical support.



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