



2.7

30SD08-26 TYPE

Solenoid Directional Valve

Rated pressure (bar / psi) 207 / 3000
 Peak flow (L/min / gpm) 1.89 / 0.5 (See performance chart)

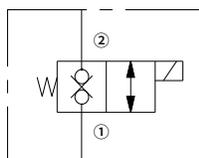
Features

- Continuous-duty rated coil
- Efficient wet-armature construction
- Cartridges are voltage interchangeable
- Optional waterproof E-Coils rated up to IP69K
- Industry common cavity
- Hardened parts for long life and low leakage

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Symbol



Description

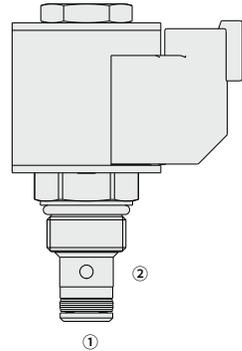
A solenoid-operated, 2-way, normally closed, direct-acting, needle-type, screw-in hydraulic cartridge valve, designed to function as a blocking or load-holding device for low flow circuits.

Operation

When de-energized, the 30SD08-26 blocks flow in both directions, to pressure rating.

If pressure on ① exceeds the rating, flow may pass from ① to ②.

When energized, the needle point lifts to open the valve bidirectionally. Port ② is the recommended load-holding port.



Ordering Code

30SD08-26		-	-	-	-	-	-	-
Option:	Blank							
Cartridge Only	0							
Seals:	Buna N (Std.)	N						
	Polyurethane	P						
	Fluorocarbon	V						
			Voltage					
			Std. Coil:					
			Less Coil	00				
			10VDC	10				
			12VDC	12				
			20VDC	20				
			24VDC	24				
						Termination (VDC)		
						E-Coil:		
						Deutsch DT04-2P	ER	
						(IP69K Rated)		
						Lead wires (2)	EL	
						(IP69K Rated)		
						Termination (VDC)		
						D-Coil:		
						Dual Spades	DS	
						(SAE J858a, IP65K Rated)		
						DIN 43650	DG	
						(IP65K Rated)		
						Lead wires (2)	DL	
						(IP65K Rated)		

Materials

Cartridge:

Weight: 0.11 kg; Steel with hardened work surfaces. Zinc-plated exposed surfaces; Buna N (Std.) seal.

Standard Ported Body:

Anodized high-strength aluminum alloy, rated to 240 bar; Ductile iron and steel bodies available; Dimensions may differ, consult factory.

Standard Coil: Consult factory.

E-Coil:

Weight: 0.14 kg; Perfect wound, fully encapsulated with rugged external metal shell; Rated up to IP69K with Deutsch sockets.

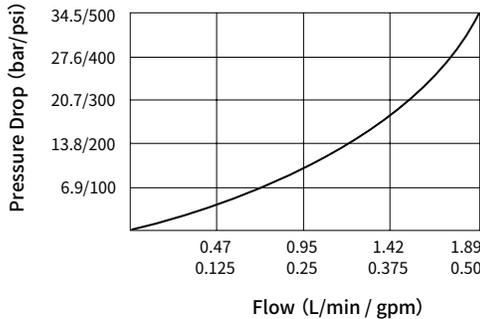
Technical Data

Rated pressure	207 bar (3000 psi)	
Peak flow	See performance chart	
Effective orifice size	0.81 mm (0.032 in.)	
Internal leakage	≤ 3 drops/min @207 bar	
Coil duty rating	Continuous from 85% to 115% of nominal voltage	
Initial coil current draw at 20°C	E-Coil	1.4 A at 12VDC; 0.7 A at 24VDC
	D-Coil	1.2 A at 12VDC; 0.6 A at 24VDC
Minimum pull-in voltage	85% of nominal at 207 bar	
Cavity	VC08-2 (See technical reference)	
Fluid	Mineral-based or synthetics with lubricating properties	
Viscosity range	7.4 to 420 mm ² /s	
Temperature range	-40 to 100 °C (Buna N seals)	
	-54 to 107 °C (Polyurethane seals)	
	-26 to 204 °C (Fluorocarbon seals)	
Degree of fluid contamination	The minimum pollution level is ISO4406 level 20/18/14, and level 17/15/13 is recommended to prolong the service life	

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Performance (Cartridge Only)

② to ① or ① to ② energized
32cSt/150 sus oil at 40°C



Dimensions

(Dimensions in mm)

