



2.40

30SD38-38 TYPE

Solenoid Directional Valve

Rated pressure (bar / psi) 207 / 3000
 Peak flow (L/min / gpm) 11.4 / 3 (See performance chart)

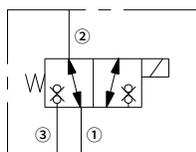
Features

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

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Symbol



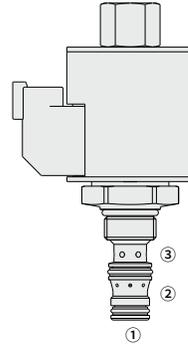
Description

A solenoid-operated, 2-position, 3-way, bi-directional blocking, screw-in hydraulic cartridge valve. It is designed for low leakage in load-holding applications.

Operation

When de-energized, the 30SD38-38 blocks flow from ③ to ② or from ② to ③.

When energized, flow is blocked from ② to ① or from ① to ②.



Ordering Code

	30SD38-38	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Option:	None	Blank										
Cartridge only		0										
Seals:	Polyurethane (Std.)			P								
	Buna N			N								
	Fluorocarbon			V								
						Voltage Std. Coil:						
						Less Coil	00					
						10VDC	10					
						12VDC	12					
						20VDC	20					
						24VDC	24					
										Termination (VDC)		
										E-Coil:		
										Amp Junior Timer	EJ	
										(IP67 Rated)		
										Deutsch DT04-2P	ER	
										(IP69K Rated)		
										DIN 43650	EG	
										(IP65 Rated)		
										Termination (VDC)		
										D-Coil:		
										Dual Spades	DS	
										(SAE J858a, IP65K Rated)		

Materials

Cartridge:

Weight: 0.2 kg; Steel with hardened work surfaces. Zinc-plated exposed surfaces; Polyurethane (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.

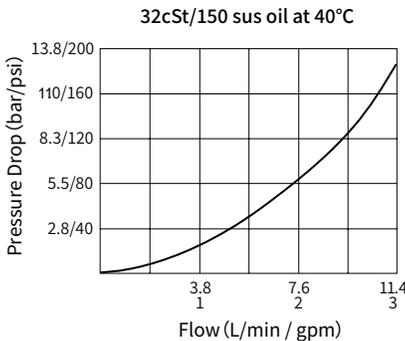
E-Coil:

Weight: 0.41 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	
Internal leakage	≤ 5 drops/min@207 bar	
Coil duty rating	Continuous from 85% to 115% of nominal voltage	
Initial coil current draw at 20°C	E-Coil	1.7 A at 12VDC; 0.85 A at 24VDC
	D-Coil	1.67 A at 12VDC; 0.83 A at 24VDC
Minimum pull-in voltage	85% of nominal at 207 bar	
Cavity	VC08-3 (See technical reference)	
Fluid	Mineral-based or synthetics with lubricating properties	
Viscosity range	7.4 to 420 mm ² /s	
Temperature range	-54 to 107 °C (Polyurethane seals)	
	-40 to 100 °C (Buna N 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	

Performance (Cartridge Only)

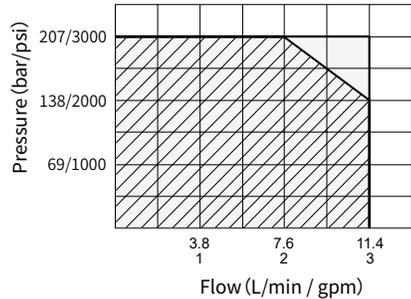


Operating Limits

Shaded: Inlet at ①, load at ②, tank at ③

Shaded: Inlet at selector valve

Hatched: Inlet at ③, load at ②, tank at ①



Dimensions

(Dimensions in mm)

