

2.11

30SD08-35 TYPE Solenoid Directional Valve

Rated pressure (bar / psi)

207 / 3000

Peak flow (L/min / gpm)

11.4 / 3 (See performance chart)

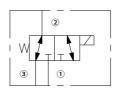
Features

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

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Symbol



0 0 0

Description

A solenoid-operated, 2-position, 3-port, direct-acting, spool-type, screw-in hydraulic directional valve.

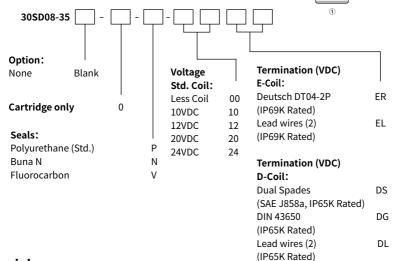
Operation

When de-energized, the valve blocks flow at 1, while allowing flow from 2 to 3.

When energized, the spool shifts to provide flow from ② to ① , while blocking port ③ .

While port $\widehat{\mathbb{O}}$ may be fully pressurized, it is not intended to be used as the inlet.

Ordering Code



Materials

Cartridge:

Weight: 0.09 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.

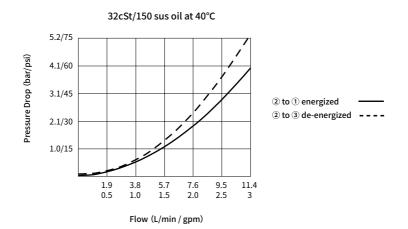
E-Coil

Weight:0.14 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		11.4 L/min (3 gpm) ; See performance chart	
Internal leakage		≤ 98 mL/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		VC08-3 (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)



Dimensions

(Dimensions in mm)

