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# 30SD10-31 TYPE

## Solenoid Directional Valve

Rated pressure (bar / psi)	207 / 3000
Peak flow (L/min / gpm)	22.7 / 6

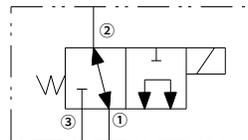
### Features

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

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### Symbol

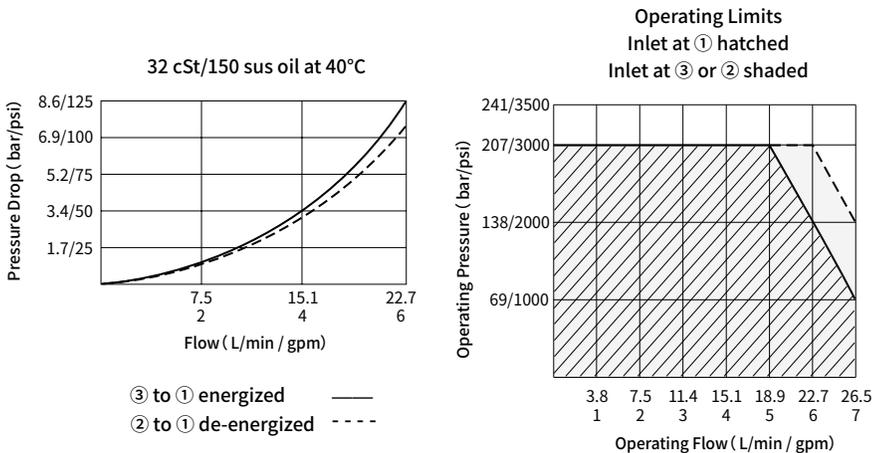




## Technical Data

Rated pressure	207 bar (3000 psi)	
Peak flow	22.7 L/min (6 gpm)	
Internal leakage	≤ 164 mL/min @ 207 bar	
Coil duty rating	Continuous from 85% to 115% of nominal voltage	
Response time	First indication of change of state with 100% voltage supplied at 80% of nominal flow rating: Energized: 60 msec. ; De-energized: 10 msec.	
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	VC10-3 (See technical reference)	
Fluid	Mineral-based or synthetics with lubricating properties	
Viscosity range	7.4 to 420 mm <sup>2</sup> /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

