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30SD10-34 TYPE

Solenoid Directional Valve

Rated pressure (bar / psi) 207 / 3000

Peak flow (L/min / gpm) 22.7 / 6

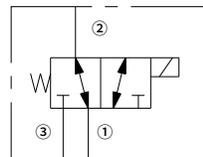
Features

- 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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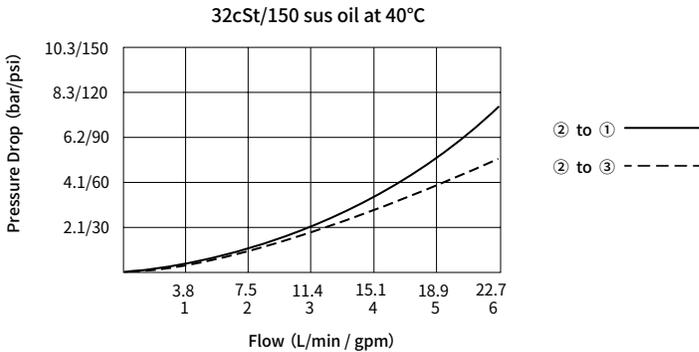
Symbol



Technical Data

Rated pressure		207 bar (3000 psi)
Proof pressure		350 bar (5075 psi)
Peak flow		22.7 L/min (6 gpm)
Internal leakage		≤ 115 mL/min (7 cu. in./minute) @ 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 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)

