



2.19

# 50SD10-22 TYPE

## Solenoid Directional Valve

Rated pressure (bar / psi)	350 / 5075
Peak flow (L/min / gpm)	75.7 / 20

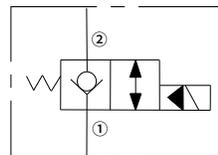
### Features

- 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

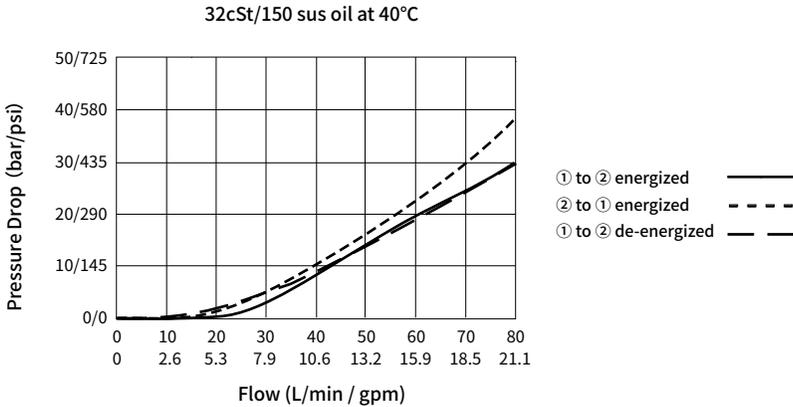




## Technical Data

Rated pressure	350 bar (5075 psi)	
Proof pressure	525 bar (7612 psi)	
Peak flow	75.7 L/min (20 gpm)	
Internal leakage	≤ 0.15 mL/min (3 drops/min) @350 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 350 bar	
Cavity	VC10-2 (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 18/16/13, and level 15/13/11 is recommended to prolong the service life	

## Performance (Cartridge Only)



# Dimensions

( Dimensions in mm )

