

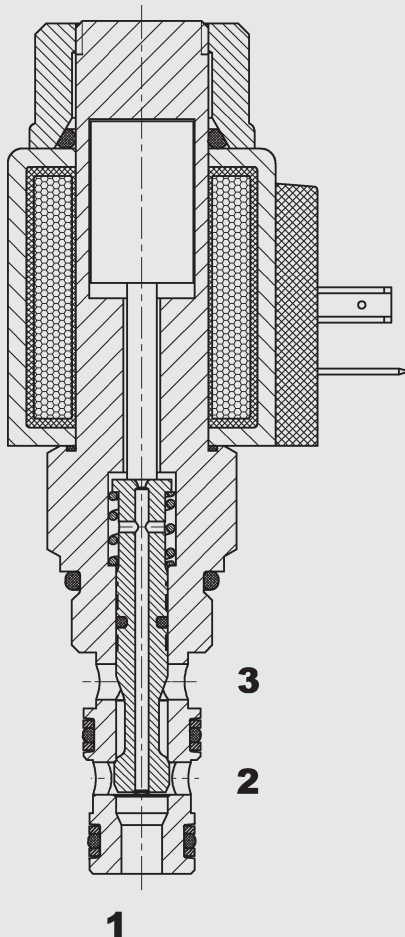
Solenoid Directional Valve SAE 8-Cartridge – 280 bar

3/2 Normally Open
Low Power Consumption

WS08D-51

Poppet Type – Direct Operated

FUNCTION



In the de-energized mode, the valve allows flow from 1 to 2, while blocking flow at 3.

When energized, the valve allows flow from 2 to 3, while blocking flow at 1.

FEATURES

- Excellent switching performance by high power HYDAC solenoid
- All valve parts made of high-strength steel with hardened and ground components to ensure minimal wear and to extend service life
- Rigid design using one-piece body minimizes the effect of eccentricity and maximizes reliability
- All surfaces zinc-plated and corrosion-proof
- Waterproof design standard
- Wide variety of connectors available
- Low pressure drop by CFD optimized flow-path

SPECIFICATIONS

Operating pressure:	280 bar
Nominal flow:	20 l/min
Internal leakage:	leakfree (less than 5 drops/min) max. at 280 bar
Media operating temp. range:	-20 °C to +120 °C
Ambient temp. range:	-20 °C to +60 °C
Coil duty rating:	Continuous from 85% to 115% of nominal voltage
Current draw at 20 °C:	1.5 A at 12 V DC 0.8 A at 24 V DC
Minimum pull-in voltage:	85 % of nominal
Response time:	Energized: 35 ms De-energized: 45 ms typical 24 V DC-coil
Fluids:	Mineral-based or synthetics with lubricating properties
Viscosity:	7.4 to 420 cSt
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner
Installation:	No orientation restrictions
Material:	Valve body: carbon steel Piston: carbon steel Seals: NBR (standard) FKM (optional) Steel/polyamide
Cavity:	FC08-3
Weights:	Valve complete: 395 g Coil only: 190 g

