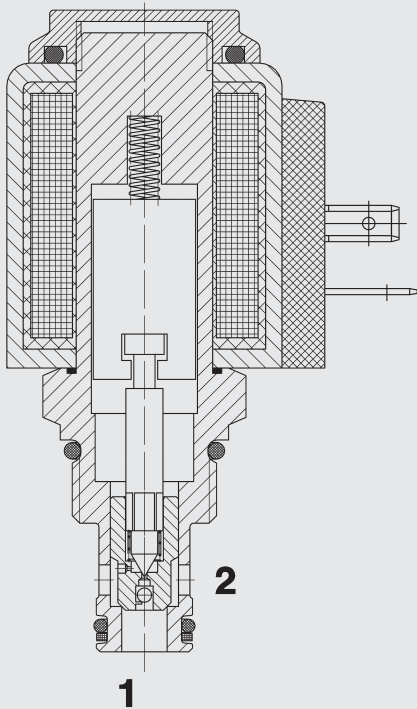


FUNCTION



In the de-energized mode, the valve blocks flow from port 2 to 1 and acts as a check allowing flow from port 1 to 2. When energized, the valve allows flow in both directions.

Solenoid Directional Valve SAE 8-Cartridge - 350 bar

UNF

2/2-Normally Closed (Reverse Flow)
WS08ZR-01
Poppet Type - Pilot Operated

FEATURES

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

SPECIFICATIONS

Operating pressure:	350 bar
Nominal flow:	38 l/min
Internal leakage:	leakage free (less than 5 drops/min) max. at 350 bar
Media operating temp. range:	- 20 °C to + 120 °C
Ambient temp. range:	- 20 °C to + 60 °C
Fluids:	Hydraulic oil to DIN 51524 part 1 and 2
Viscosity:	min. 7.4 mm ² /s up to max. 420 mm ² /s
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner
Installation:	optional
Material:	Valve body: high tensile steel Piston: hardened and ground steel Seals: NBR (Standard) FKM (Option) Support ring: PTFE
Cavity:	FC08-2
Weights:	Valve complete: 0.33 kg Coil only: 0.19 kg
Response time:	Energized: 35 ms De-energized: 50 ms typical 24 V DC-coil
Type of voltage:	DC solenoid, AC voltage is rectified using a bridge rectifier built into the coil
Current draw at 20 °C:	1.5 A at 12 V DC 0.8 A at 24 V DC
Minimum pull-in voltage:	±15 % of nominal voltage
Coil duty rating:	Continuous up to 115 % of nominal voltage at 60 °C ambient temperature

