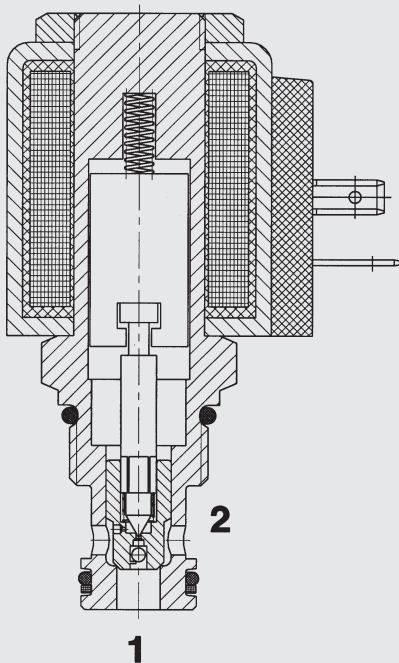


FUNCTION



In the de-energized mode, the valve blocks flow from 2 to 1 and acts as a check allowing flow from 1 to 2.

When energized, the valve allows flow in both directions.

Solenoid Directional Valve SAE 8-Cartridge - 350 bar

2/2-Normally Closed (Reverse Flow)
WS081ZR-01
Poppet Type - Pilot Operated

FEATURES

- Wet armature solenoid
- Wide voltage tolerance
- All valve parts made of high-strength steel with hardened and ground components to ensure minimal wear and to extend service life
- All surfaces zinc-plated and corrosion-proof
- Waterproof design standard
- Wide variety of coils and connectors available
- One piece body design

SPECIFICATIONS

Operating pressure:	350 bar
Proof pressure:	520 bar
Nominal flow:	38 l/min
Internal leakage:	leakfree (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
Coil duty rating:	Continuous from 85 % to 115 % of nominal voltage
Current draw at 20 °C:	1.5 amps at 12 V DC 0.8 amps at 24 V DC
Minimum pull-in voltage:	85 % of nominal
Response time:	Energized: 35 ms De-energized: 50 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 (Option) Steel/Polyamide
Cavity:	FC081-2
Weights:	Valve complete: 330 g Coil only: 190 g

