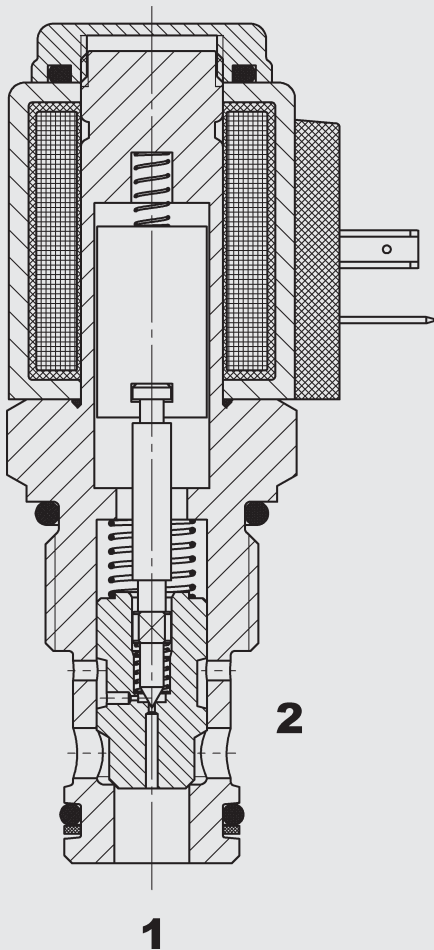


FUNCTION



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

When energized, the valve allows flow from 2 to 1. Flow from 1 to 2 is severely restricted in this mode.

Solenoid Directional Valve SAE 12-Cartridge – 350 bar 2/2 Normally Closed

WS12Z-01

Poppet Type - Pilot Operated

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 by 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:	350 bar
Nominal flow:	110 l/min
Internal leakage:	leakfree (less than 5 drops/min) 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: 30 ms De-energized: 70 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) Coil: Steel/polyamide
Cavity:	FC12-2
Weights:	Valve complete: 460 g Coil only: 190 g

