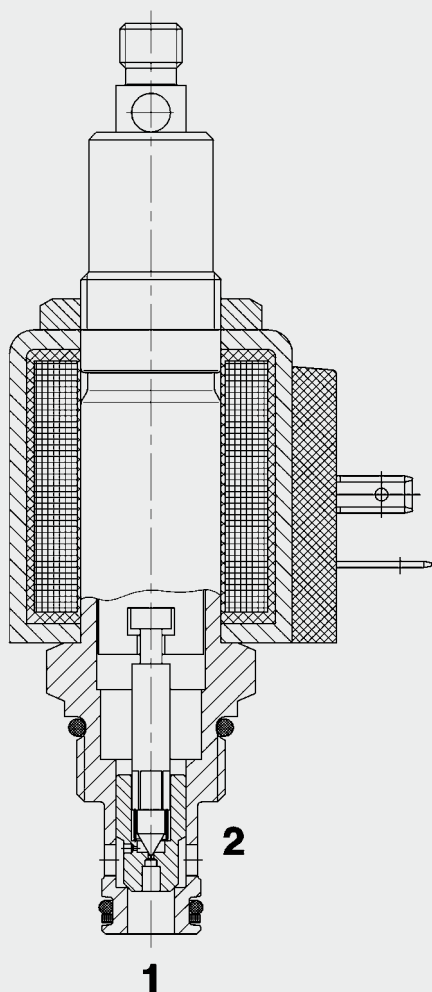


2/2 Solenoid Directional Valve Poppet Type, Pilot-Operated Spring-Return Manual Override Normally Closed SAE-08 Cartridge – 350 bar

UNF

WS08Z-01J

FUNCTION



When the solenoid coil is not energized, the valve is closed from port 2 to port 1. Flow is permitted from port 1 to port 2.

When energized, there is free flow through the valve from port 2 to port 1. Return flow from port 1 to 2 is prevented.

FEATURES

- Excellent switching performance by high power HYDAC solenoid
- Solenoid coil available with wide variety of connectors
- Hardened and ground internal valve components to ensure minimal wear and extended service life
- External surfaces zinc-plated and corrosion-proof
- Low pressure drop due to CFD optimized flow path
- Wide variety of connectors available

SPECIFICATIONS

Operating pressure:	max. 350 bar
Nominal flow:	max. 38 l/min
Leakage:	Leakage-free (max. 5 drops \approx 0,25 cm ³ /min at 350 bar)
Media operating temperature range:	min. -20 °C to max. +100 °C
Ambient temperature range:	min. -20 °C to max. +60 °C
Operating fluid:	Hydraulic oil to DIN 51524 Part 1 and 2
Viscosity range:	min. 7.4 mm ² /s to max. 420 mm ² /s
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner
MTTF _d :	150 years (see "Conditions and instructions for valves" in brochure 5.300)
Installation:	No orientation restrictions
Materials:	Valve body: free-cutting steel Poppet: hardened and ground steel Seals: NBR (standard) FKM (optional, media temperature range -20 °C to +120 °C) Back-up rings: PTFE
Cavity:	FC08-2
Weight:	Valve complete 0.36 kg Coil only 0.19 kg

Electrical data:

Coil duty rating:	Continuous up to max. 115% of the nominal voltage at 60 °C ambient temperature
Current draw at 20 °C:	1.5 A at 12 V DC 0.8 A at 24 V DC
Voltage tolerance:	\pm 15% of the nominal voltage
Manual override:	The pull-force required is dependent on the operating pressure max. approx. 150 N. The max. permitted pull-force is 180 N
Response time:	Energized: De- approx. 35 ms energized: approx. 50 ms
Coil type:	Coil...-40-1836

