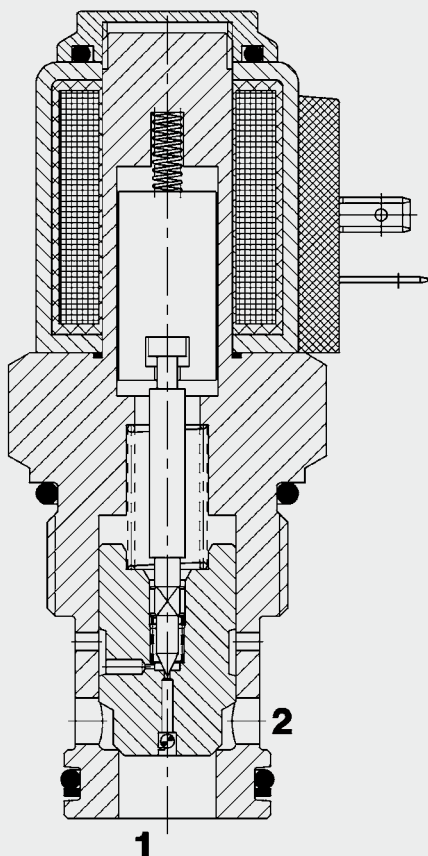


150 l/min
350 bar

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 the valve allows flow in both directions.

2/2 Solenoid Directional Valve **UNF** Poppet Type, Pilot-Operated Normally Closed (Reverse Flow) SAE-16 Cartridge – 350 bar WS16ZR-01

FEATURES

- Excellent switching performance by high power HYDAC solenoid
- Wide variety of connectors available
- Hardened and ground internal valve components to ensure minimal wear and extended service life
- External surfaces zinc-plated and corrosion-proof
- Coil seals protect the solenoid system

SPECIFICATIONS

Operating pressure:	max. 350 bar
Nominal flow:	max. 150 l/min up to 280 bar max. 100 l/min, from 280 to 350 bar
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
Coil duty rating:	Continuous up to max. 115% of the nominal voltage at 60 °C ambient temperature
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 Coil: steel / polyamide
Cavity:	FC16-2
Weight:	Valve complete 0.62 kg Coil only 0.19 kg

Electrical data:

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
Response time:	Energized: approx. 35 ms De-energized: approx. 70 ms
Coil type:	Coil...-40-1836

