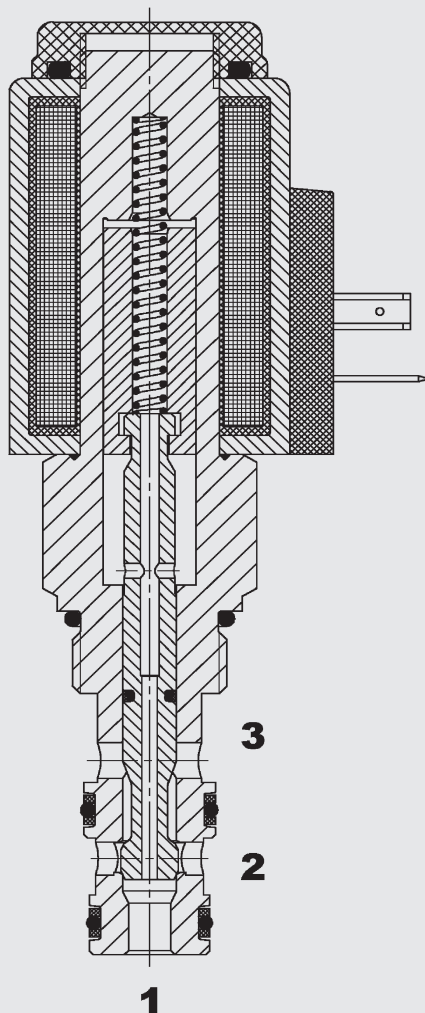


Up to 22 l/min
Up to 350 bar

FUNCTION



When de-energized, there is free flow through the valve from port 2 to 3. Port 1 is closed.

When energized, there is free flow through the valve from port 1 to 2. Port 3 is closed.

3/2 Solenoid Directional Valve Poppet Type, Direct-Acting Metric Cartridge – 350 bar

WSM08130C-01

FEATURES

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

SPECIFICATIONS

Operating pressure:	max. 350 bar
Nominal flow:	max. 22 l/min
Internal 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
Material:	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:	08130 metric
Weight:	Valve complete: 0.49 kg Coil only: 0.23 kg

Electrical data:

Response time:	Energized: approx. 30 ms De-energized: approx. 20 ms
Type of voltage:	DC solenoid, AC voltage is rectified using a bridge rectifier built into the coil
Current draw at 20 °C:	2.22 A at 12 V DC 1.13 A at 24 V DC
Voltage tolerance:	\pm 15 % of nominal voltage
Coil duty rating:	Continuous up to max. 115% of the nominal voltage at max. 60° C ambient temperature
Coil type:	Coil...-50-1836

