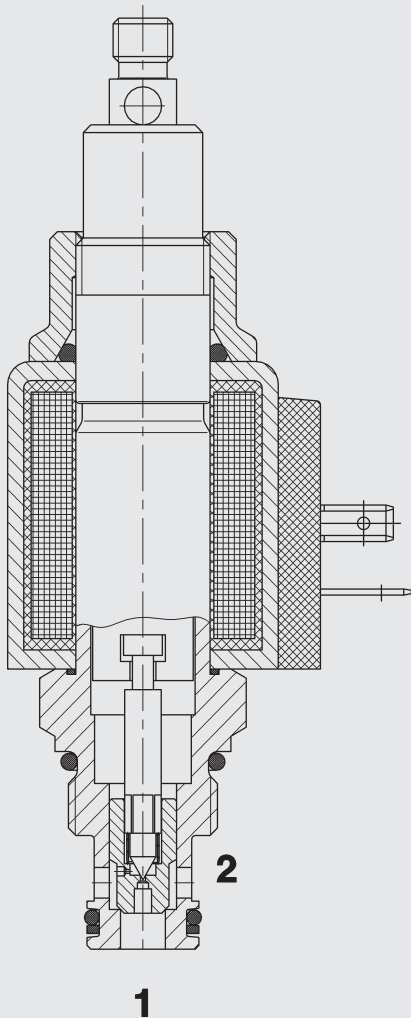


up to 40 l/min  
up to 350 bar

## 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.

Flow from 1 to 2 is severely restricted in this mode.

## 2/2 Solenoid Directional Valve Poppet Type - Pilot Operated Spring-Return Manual Override Normally Closed (Reverse Flow) Cartridge Valve - 350 bar

WSM06020Z-01J

## FEATURES

- All surfaces zinc-plated and corrosion-proof
- All valve parts made of high-strength steel with hardened and ground components to ensure minimal wear and extended service life
- Waterproof design standard
- Wide variety of connectors available
- Rigid design using one-piece body minimizes the effect of eccentricity and maximizes reliability
- Excellent switching performance by high power HYDAC solenoid
- Low pressure drop by CFD optimized flow-path

## SPECIFICATIONS

Operating pressure:	Max. 350 bar
Nominal flow:	Max. 40 l/min
Internal leakage:	Leakage-free
Media operating temp. range:	-20 °C to +120 °C
Ambient temperature range:	-20 °C to +60 °C
Type of voltage:	DC solenoid, AC voltage is rectified using a bridge rectifier built into the coil
Current draw at 20 °C:	1.5 A at 12 V DC 0.8 A at 24 V DC
Minimum pull-in voltage:	+/-15% of nominal voltage
Coil duty rating:	Continuous up to 115% of nominal voltage at 60 °C ambient temperature
Manual override:	The pull-force required is dependent on the operating pressure max. approx. 150 N The max. permissible pull-force is 180 N
Response time:	Energized: approx. 35 ms De-energized: approx. 50 ms (typical 24 V DC-coil)
Fluids:	Hydraulic oil to DIN 51524 Part 1 and 2
Viscosity:	10 mm <sup>2</sup> /s to 420 mm <sup>2</sup> /s is recommended
Filtration:	ISO 4406 Class 21/19/16 or cleaner
Installation:	Optional
Materials:	Valve body: high tensile steel Piston: hardened and ground steel Seals: NBR (standard) FKM (optional) back-up ring in PTFE Coil: Steel/Polyamide
Cavity:	06020
Weights:	Valve complete: 0.36 kg Coil only: 0.19 kg

