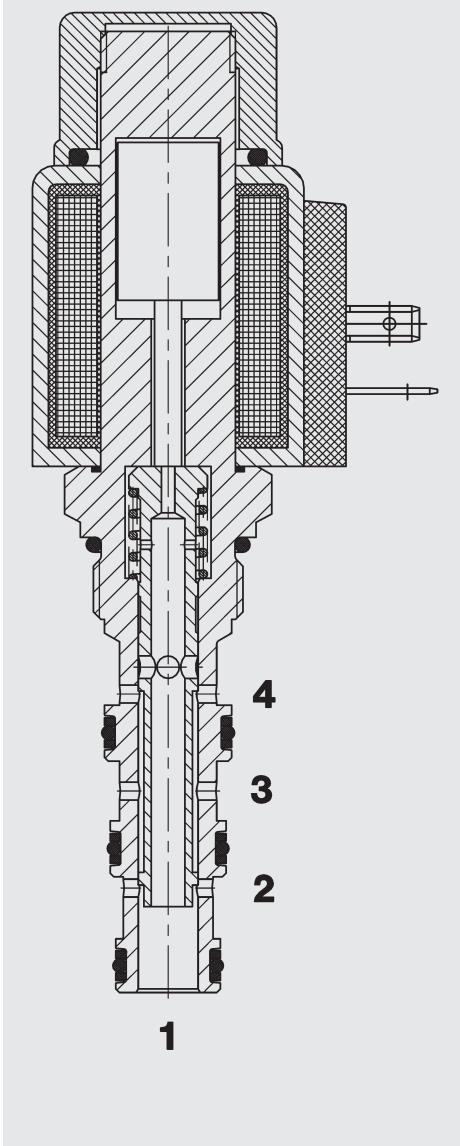


## FUNCTION



When the solenoid coil is not energized, there is free flow through the valve from 3 to 4 or 4 to 3 and from 2 to 1 or 1 to 2. When the solenoid coil is energized, there is free flow through the valve from 3 to 2 or 2 to 3 and from 4 to 1 or 1 to 4.

## 4/2 Solenoid Directional Valve Cartridge Valve – 350 bar SPOOL Type - Direct Operated

WKM08140Y-01

## 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. 25 l/min
Internal leakage:	max. 150 cm <sup>3</sup> /min, at 250 bar
Media operating temperature 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 at 60 °C
Coil duty rating:	continuous up to 115% of nominal voltage at 60 °C ambient temperature
Response time:	Energized: approx. 40 ms De-energized: approx. 30 ms
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:	Permissible contamination level of the operating fluid to ISO 4406 Class 21/19/16 or cleaner
Installation:	Optional
Materials:	Valve body: high tensile steel Closing elements: hardened and polished steel Seals: NBR (standard) FKM (optional) back-up ring in PTFE
Cavity:	08140
Weight:	Valve complete: 0.38 kg Coil only: 0.19 kg

