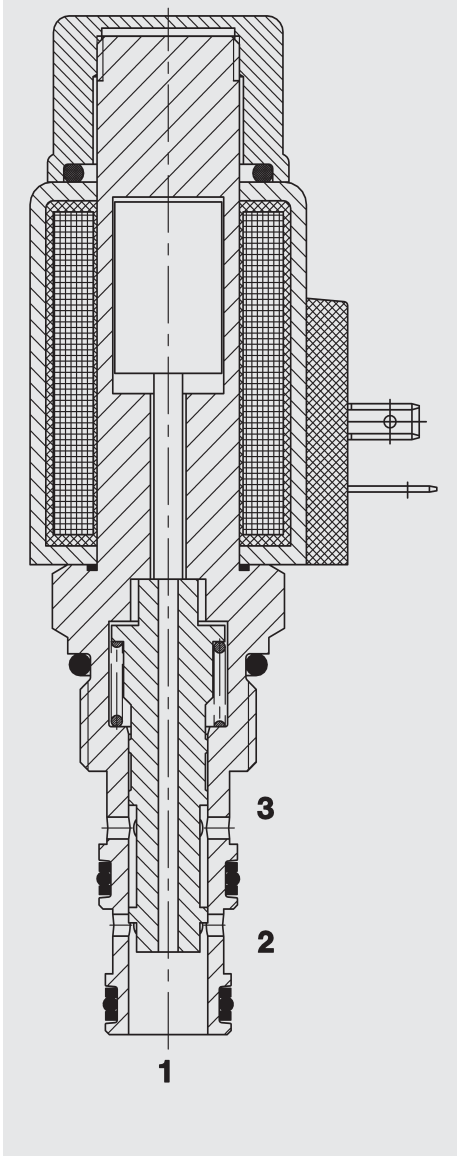


## FUNCTION



In the de-energized mode, the valve allows flow from 2 to 1 or from 1 to 2, while blocking flow at 3.

When energized, the valve allows flow from 3 to 2 or from 2 to 3, while blocking flow at 1.

## 3/2-Solenoid Directional Valve SPOOL Type - Direct Operated SAE 10-Cartridge - 350 bar

WK10C-01

## FEATURES

- All surfaces zinc-plated and corrosion-proof
- All valve parts made of high-strength steel with hardened and ground components to assure minimal wear and to extend 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:	350 bar
Proof pressure:	520 bar
Nominal flow:	32 l/min
Internal leakage:	120 cm <sup>3</sup> /min max at 250 bar and 34 mm <sup>2</sup> /s
Media operating temp. range:	-20 °C to +120 °C
Ambient temp. range:	-20 °C to +60 °C
Coil duty rating:	Continuous up to 115% of nominal voltage at 60 °C ambient temperature
Current draw at 20 °C:	2.22 A at 12 V DC 1.13 A at 24 V DC
Minimum pull-in voltage:	± 15% of nominal voltage
Fluids:	Mineral-based or synthetics with lubricating properties
Viscosity:	7.4 to 420 mm <sup>2</sup> /s
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner
Installation:	optional
Materials:	Valve body: high tensile steel Spool: hardened and ground steel Seals: NBR (standard) FKM (optional) back-up ring in PTFE Coil: Steel/Polyamide
Cavity:	FC10-3
Weights:	Valve complete: 470 g Coil only: 230 g

