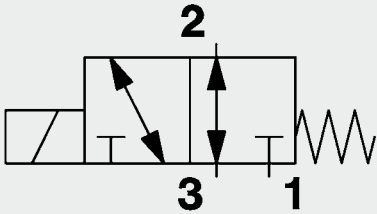


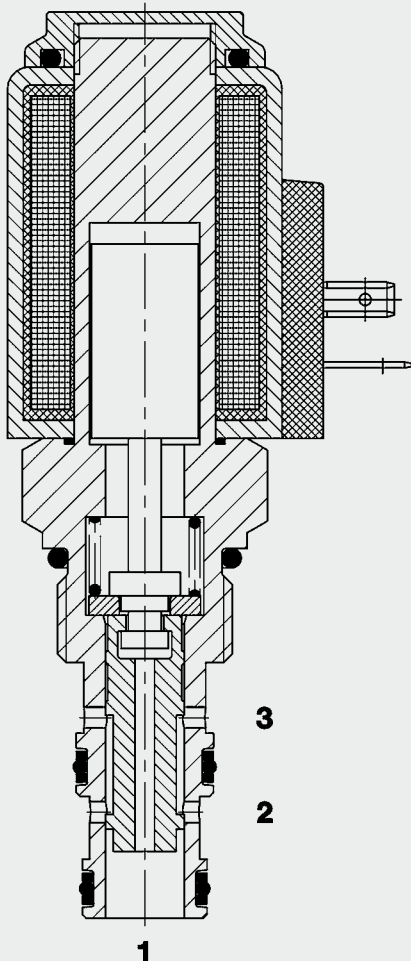
## 3/2 Solenoid Directional Valve **UNF** Spool Type, Direct-Acting SAE-10 Cartridge – 350 bar

WK10D-01



max. 32 l/min  
max. 350 bar

### FUNCTION



When de-energized, the valve allows flow in both directions between ports 3 and 2, while blocking flow at port 1.

When energized, the valve allows flow in both directions between ports 1 and 2, while blocking flow at port 3.

### 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
- Low pressure drop due to CFD optimized flow path

### SPECIFICATIONS

Operating pressure:	max. 350 bar
Nominal flow:	max. 32 l/min
Internal leakage:	max. 120 cm <sup>3</sup> /min at 250 bar and 34 mm <sup>2</sup> /s
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 <sup>2</sup> /s to max. 420 mm <sup>2</sup> /s
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner
MTTF <sub>d</sub> :	150 years (see "Conditions and instructions for valves" in brochure 5.300)
Materials:	Valve body: free-cutting steel
	Spool: 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:	FC10-3
Weight:	Valve complete 0.47 kg
	Coil only 0.23 kg

### Electrical data:

Coil duty rating:	Continuous up to max. 115% of the 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
Voltage tolerance:	± 15% of the nominal voltage
Coil type:	Coil...-50-1836

