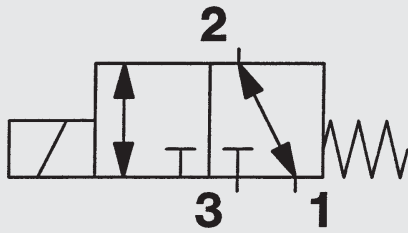


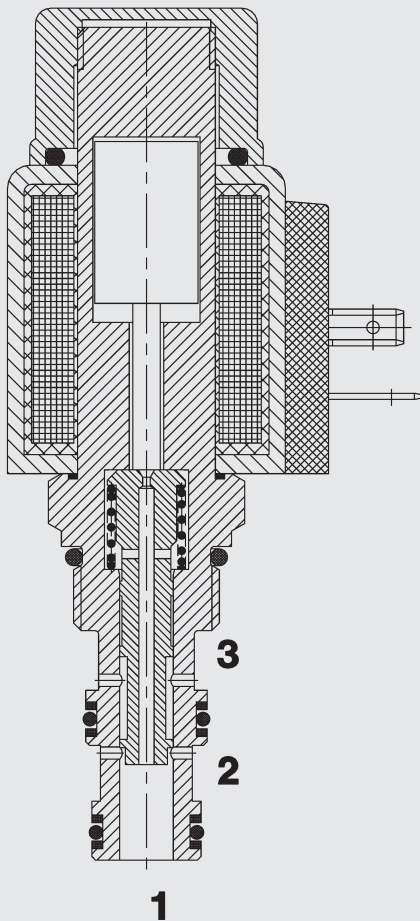
## 3/2-Solenoid Directional Valve UNF SAE 8-Cartridge - 350 bar

WK08C-01  
SPOOL Type - Direct Operated



19 l/min  
350 bar

### FUNCTION



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

### 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
- Coil seals protect the solenoid system
- Wide variety of connectors available
- Rigid design using one-piece body minimizes the effect of eccentricities in cavity and maximizes reliability
- Excellent switching performance by high power HYDAC solenoid
- Low pressure drop due to CFD optimized flow-path

### SPECIFICATIONS

Operating pressure:	350 bar
Nominal flow:	19 l/min
Internal leakage:	90 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
Fluids:	Hydraulic oil to DIN 51524 part 1 and 2
Viscosity:	min. 7.4 mm <sup>2</sup> /s up to max. 420 mm <sup>2</sup> /s
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner
Material:	Valve body: high tensile steel Spool: hardened and ground steel Seals: NBR (standard) FKM (optional) Support ring: PTFE
Cavity:	FC08-3
Weights:	Valve complete: 0.37 kg Coil only: 0.19 kg
Response time:	Energized: 20 - 85 ms De-energized: 40 - 80 ms
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
Pull-in voltage:	±15 % of nominal voltage
Coil duty rating:	Continuous up to 115 % of nominal voltage at 60 °C ambient temperature

