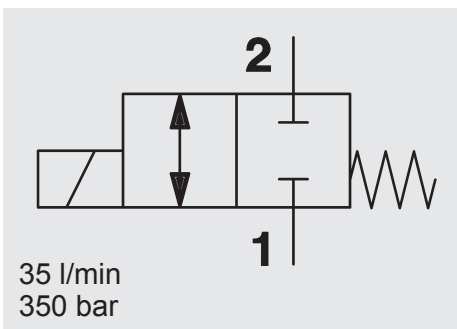
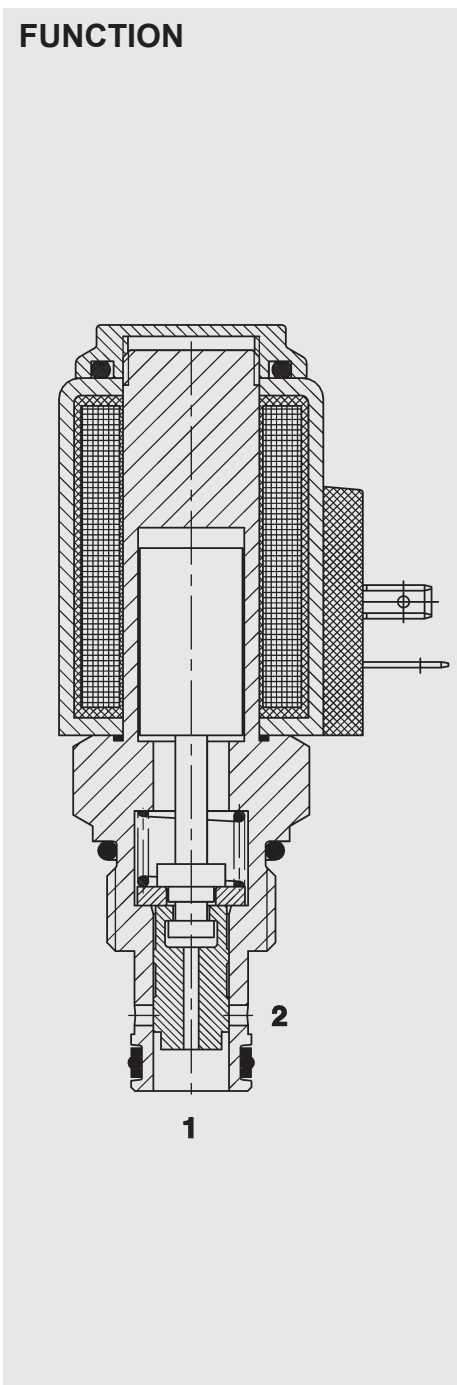




FUNCTION



When the solenoid coil is de-energized, the valve blocks flow in both directions. When energized the valve allows flow in both directions.

2/2 Solenoid Directional Valve **UNF** Spool Type, Direct-Acting, SAE-10 Cartridge – 350 bar WK10W-01

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. 35 l/min	
Internal leakage:	max. 150 cm³/min at 250 bar and 34 mm²/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 mm²/s to max. 420 mm²/s	
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner	
MTTF _d :	150 years (see "Conditions and instructions for valves" in brochure 5.300)	
Installation:	No orientation restrictions	
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:	FC10-2	
Weight:	Valve complete	0.45 kg
	Coil only	0.23 kg
Electrical data:		
Response time:	Energized:	approx. 35 ms
	De-energized:	approx. 50 ms
Type of voltage:	DC solenoid, AC voltage is rectified using a bridge rectifier built into the coil	
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 duty rating:	Continuous up to max. 115% of the nominal voltage at 60 °C ambient temperature	
Coil type:	Coil...-50-1836	

After loosening the mounting nut, the coil can be rotated through 360° and removed.

hex 1" torque 45⁺¹⁰ Nm

Manual override, Option 'M'

After loosening knurled nut, manual override is possible by twisting button anticlockwise.

torque 4⁺¹ Nm

32 thick (1.25)

millimeter (inch)
subject to technical modification

[illegible]

Tool	Part No.
Countersink FC10-2	176379
Reamer FC10-2	165706

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