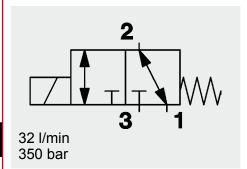
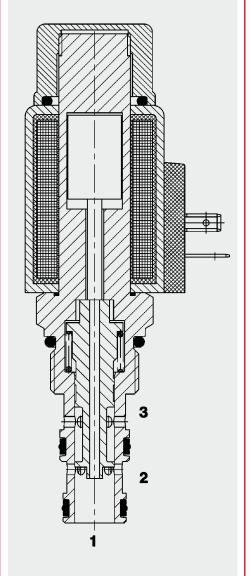


DAGINTERNATIONAL



3/2 Solenoid Directional Valve UNE Spool Type, Direct Acting SAE-10 Cartridge – 350 bar WK10C-40

FUNCTION



When de-energized, the valve allows flow in both directions between to 1, while blocking flow at power with the tour of the to flow in both directions between ports 2 to 1, while blocking flow at port 3.

When energized, the valve allows flow in both directions between ports 3 and 2,

FEATURES

- Excellent switching performance by high power HYDAC solenoid
- Hardened and ground internal valve components to ensure minimal wear and extended service life
- Wide variety of connectors available
- External surfaces zinc-plated and corrosion-proof
- Coil seals protect the solenoid system
- Low pressure drop due to CFD optimized flow path

SPECIFICATIONS

Operating pressure:	max. 350 bar	
Nominal flow:	max. 32 l/min	
Internal leakage:	max. 250 cm³/min at 250 bar and 34 mm²/s	
Media operating temperature range:	min20 °C to max. +100 °C	
Ambient temperature range:	min20 °C to max. +60 °C	
Operating fluid:	Hydraulic oil to DIN 51524 Part 1 and 2	
Viscosity range:	min. 7.4 mm ² /s to max. 420 mm ² /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)	
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	
Type of voltage:	DC solenoid, AC voltage is rectified using a bridge rectifier built into the coil	
Coil type:	Coil50-1836	

DIMENSIONS Manual override, with HNBR-rubber cap. After loosening the mounting nut, the coil can be rotated through 360 and removed. torque 4+2 Nm hex. SW1" torque 45⁺¹⁰ Nm (3) j 2 (2)

thick 32 (1.25)

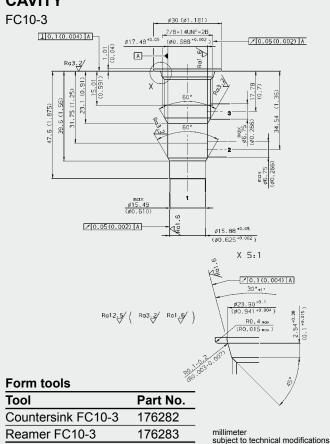
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millimeter subject to technical modifications

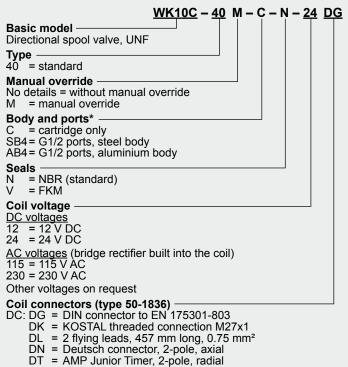
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OPERATING LIMITS $v = 34 \text{ mm}^2/\text{s}, T_{op} = 46 \text{ °C}$ Operating pressure 5000 300 4000 3->2, 2->3 3000 200 1->2 2000 100 1000 0 8 US gpm Flow rate

CAVITY







Standard models

Model code	Part No.
WK10C-40-C-N-24DG	3129698
WK10C-40-C-N-230AG	3129699

*Standard in-line bodies

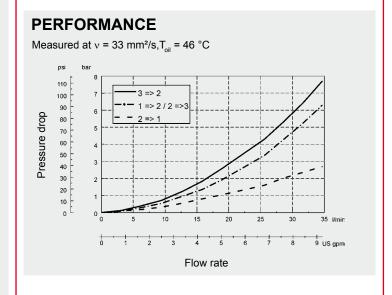
Other connectors on request

AC: AG = DIN connector to EN 175301-803

Code	Part No.	Material	Ports	Pressure
FH103-SB4	3037697	Steel, zinc-plated	G1/2	420 bar
FH103-AB4	3038092	Aluminium, anodized	G1/2	210 bar
Other line bodi	es on request			

Seal kits

Code	Material	Part No.
FS103-N SEAL KIT	NBR	3071274
FS103-V SEAL KIT	FKM	3049443



NOTE

The information in this brochure relates to the operating conditions and applications described. For applications or operating conditions not described, please contact the relevant technical

department.
Subject to technical modifications.

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