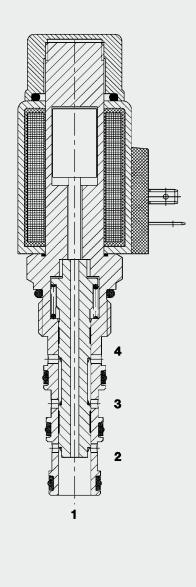


350 bar

FUNCTION



When de-energized, the valve allows flow in both directions between ports 1 and 2. When the solenoid coil is energized valve is closed in both directions. flow in both directions between ports 3 and 4 and also in both directions

When the solenoid coil is energized, the

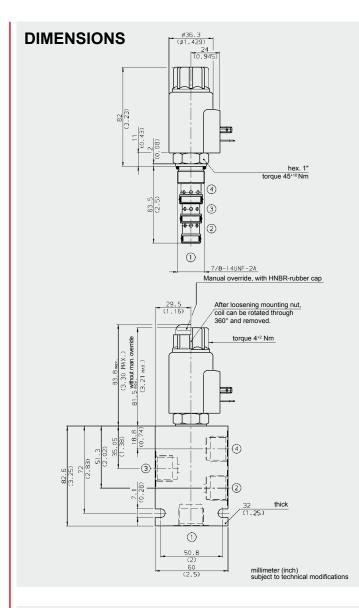
4/2 Solenoid Directional Valve UNE Spool Type, Direct Acting SAE-10 Cartridge – 350 bar WK10A-01

FEATURES

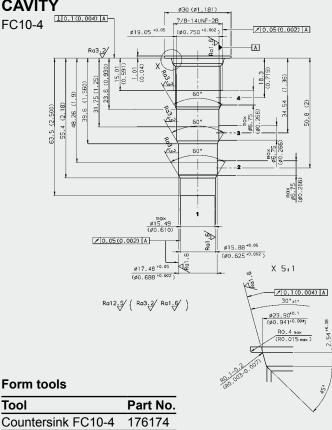
- External surfaces zinc-plated and corrosion-proof
- Hardened and ground internal valve components to ensure minimal wear and extended service life
- Coil seals protect the solenoid system
- Wide variety of connectors available
- Excellent switching performance by high power HYDAC solenoid
- Low pressure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

SPECIFICATIONS

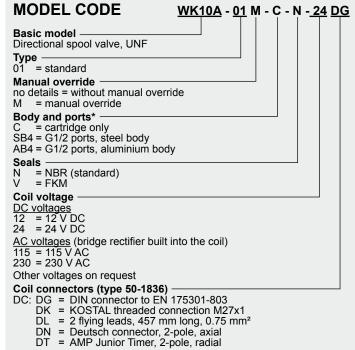
Operating pressure:	max. 350 bar	
Nominal flow:	max. 32 l/min	
Internal leakage:	max. 160 cm³/mi mm²/s	n at 250 bar and 34
Media operating temperature range:	min20 °C to ma	ax. +100 °C
Ambient temperature range:	min20 °C to ma	ax. +60 °C
Operating fluid:	Hydraulic oil to D	IN 51524 Part 1 and 2
Viscosity range:	min. 7.4 mm²/s to	o max. 420 mm²/s
Filtration:	Class 21/19/16 a cleaner	ccording to ISO 4406 or
MTTF _d :	150 years (see " instructions for va	Conditions and alves" in brochure 5.300)
Installation:	No orientation re	strictions
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	0.48 kg
	Coil only	0.23 kg
Electrical data:		
Type of voltage:		voltage is rectified ctifier built into the coil
Current draw at 20 °C:	2.22 A at 12 V D 1.13 A at 24 V D	-
Voltage tolerance:	± 15% of the non	ninal voltage
Coil duty rating:	Continuous up to nominal voltage a temperature	max. 115% of the at 60 °C ambient
Coil type:	Coil50-1836	







Tool	Part No.
Countersink FC10-4	176174
Reamer FC10-4	176175



AC: AG = DIN connector to EN 175301-803

Other connectors on request

Standard models

Model code	Part No.
WK10A-01-C-N-24DG	3098530
WK10A-01-C-N-230AG	3098531
Other models on request	

*Standard in-line bodies

Code	Part No.	Material	Ports	Pressure
FH104-SB4	3037784	Steel, zinc-plated	G1/2	350 bar
FH104-AB4	3038097	Aluminium, anodized	G1/2	210 bar
Other bodies on	request			
• · · · ·	-			

Seal kits

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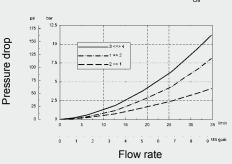
millimeter (inch) subject to technical modifications

NOTE

NIDD	
NBR	3051912
FKM	3071275

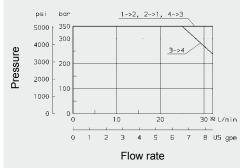
PERFORMANCE

Measured at ν = 34 mm²/s T_ $_{\rm Oil}$ = 46 $^{\circ}{\rm C}$



OPERATING LIMITS

PRESSURE DROP



The information in this brochure relates to the

department. Subject to technical modifications.

For applications or operating conditions not described. For applications or operating conditions not described, please contact the relevant technical

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