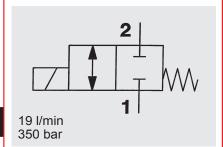


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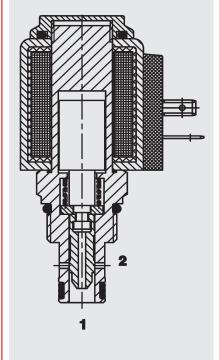


2/2 Solenoid Directional Valve UNE Spool Type, Direct-Acting SAE-08 Cartridge – 350 bar WK08W-01

FUNCTION

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



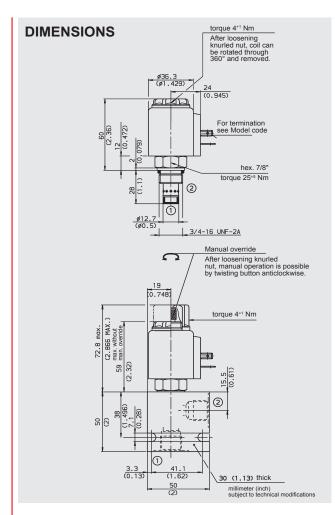
SPECIFICATIONS

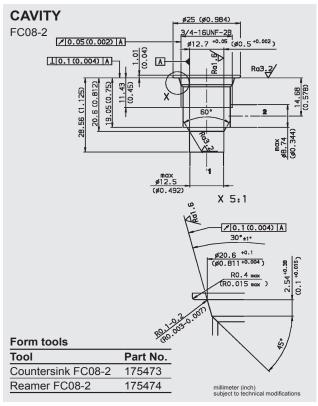
Operating pressure:	max. 350 bar	max. 350 bar		
Nominal flow:	max. 19 l/min	max. 19 l/min		
Internal leakage:	150 cm³/min at	150 cm³/min at 250 bar		
Media operating temperature range:	min20 °C to m	min20 °C to max. +100 °C		
Ambient temperature range:	min20 °C to m	min20 °C to max. + 60 °C		
Operating fluid:	Hydraulic oil to I	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			
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		
MTTF _d :	150 years (see "Conditions and instructions for valves" in brochure 5.300)			
Mounting position	No orientation re	No orientation restrictions		
Cavity:	FC08-2	FC08-2		
Weight:	Valve complete	0.36 kg		
	Coil only	0.19 kg		
Electrical data:				
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			
Voltage tolerance:	± 15% of the no	± 15% of the nominal voltage		
Coil duty rating:	Continuous up to max. 115% of the nominal voltage at 60 °C ambient temperature			
Coil type:	Coil40-1836	Coil40-1836		

In the de-energized mode, the valve blocks flow in both directions. When energized the valve allows flow in both directions.

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MODEL CODE WK08W - 01 M - C - N - 24 DG Basic model -Directional spool valve, UNF 01 = standard Manual override no details = without manual override M = manual override Body and ports* = cartridge only SB3 = G3/8 ports, steel body AB3 = G3/8 ports, aluminium body = NBR (standard) V = FKM Coil voltage DC voltages 12 = 12 V DC = 24 V DC $\underline{AC \ voltages}$ (bridge rectifier built into the coil) 115 = 115 V AC 230 = 230 V AC Other voltages on request Coil connectors (type 40-1836) DC: DG = DIN connector to EN 175301-803

Standard models

Model code	Part No.
WK08W-01-C-N-24DG	3018585
WK08W-01-C-N-230AG	3044038
Other models on request	

DK = KOSTAL threaded connection M27x1

DN = Deutsch connector, 2-pole, axial DT = AMP Junior Timer, 2-pole, radial AC: AG = DIN connector to EN 175301-803

DL = 2 flying leads, 457 mm long, 0.75 mm²

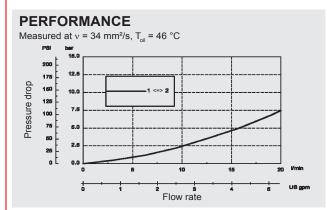
*Standard in-line bodies

Other connectors on request

Code	Part No.	Material	Ports	Pressure
FH082-SB3	560919	Steel, zinc-plated	G3/8	420 bar
FH082-AB3	3011423	Aluminium, clear anodized	G3/8	210 bar
Other housings on request				

Seal kits

Code	Material	Part No.
FS082-N SEAL KIT	NBR	3033920
FS082-V SEAL KIT	FKM	3051756



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. Subject to technical modifications

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