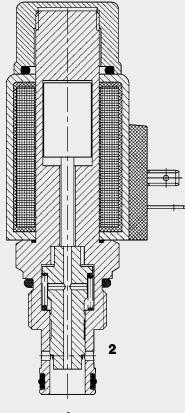


350 bar

FUNCTION



1

When the solenoid coil is de-energized, the valve is open in both directions. When the solenoid coil is energized, the valve is closed in both directions. **2/2 Solenoid Directional Valve UNE Spool Type, Direct-Acting, SAE-10 Cartridge – 350 bar** WK10V-01

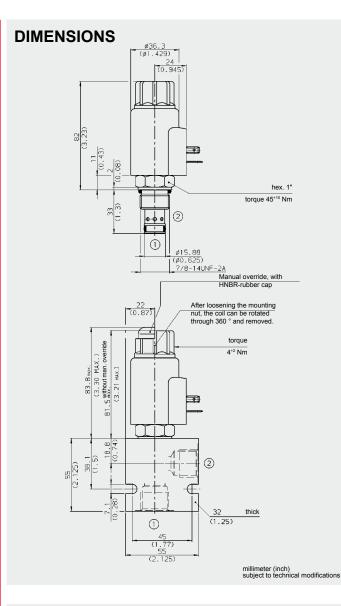
FEATURES

- 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

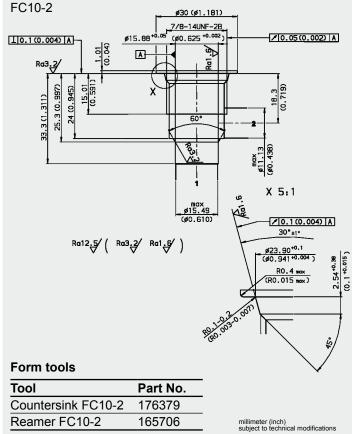
SPECIFICATIONS

Operating pressure:	max. 350 bar		
Nominal flow:	max. 35 l/min	max. 35 l/min	
Internal leakage:		max. 190 cm ³ /min at 250 bar and 34 mm ² /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 mm²/s	min. 7.4 mm ² /s to max. 420 mm ² /s	
Filtration:	Class 21/19/16 or cleaner	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	
Cavity:	FC10-2		
Weight:	Valve complete 0.45 kg		
	Coil only	0.23 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:		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%		
con daty runnig.	of the nominal voltage at		
	60 °C ambient temperature		
Coil type:		Coil50-1836	

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CAVITY



MODEL CODE WK10V-01 M-C-N-24 DG Basic model -

Directional spool valve, UNF Туре 01 = standard Manual override no details = without manual override M = manual override Body and ports* = cartridge only С SB4 = G1/2 ports, steel body AB4 = G1/2 ports, aluminium body Seals Ν = NBR (standard)

= FKM V

Coil voltage

DC voltages

12 = 12 V DC

24 = 24 V DC

AC voltages (bridge rectifier built into the coil) 115 = 115 V AC

230 = 230 V AC

Other voltages on request

Coil connectors (type 50-1836)

- DC: DG = DIN connector to EN 175301-803

 - DK = KOSTAL threaded connection M27x1 DL = 2 flying leads, 457 mm long, 0.75 mm²
 - DN = Deutsch connector, 2-pole, axial
 - DT = AMP Junior Timer, 2-pole, radial
- AC: AG = DIN connector to EN 175301-803

Other connectors on request

Standard models

Model code	Part No.	
WK10V-01-C-N-24DG	3094516	
WK10V-01-C-N-230AG	3094517	
Other models on request		

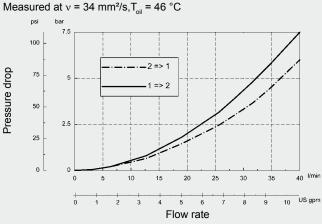
*Standard in-line bodies

Code	Part No.	Material	Ports	Pressure
FH102-SB4	3037594	Steel, zinc-plated	G1/2	420 bar
FH102-AB4	3037777	Aluminium, anodized	G1/2	210 bar
Other bodies of	n request			

Seal kits

Code	Material	Part No.
FS102-N SEAL KIT	NBR	3033872
FS102-V SEAL KIT	FKM	3051757

PERFORMANCE



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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