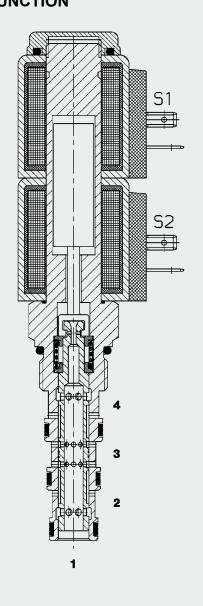
DAC) INTERNATIONAL

23 l/min 350 bar

FUNCTION



When de-energized, the valve allows flow from port 3 to 1, while blocking flow at ports 2 and 4. When solenoid coil S1 is energized, there is free flow through the valve from port 3 to 2 and from port 4 to 1. When solenoid coil S2 is energized, there is free flow through the valve from port 3 to 4 and from port 2 to 1.

4/3 Solenoid Directional Valve UNE Spool Type, Direct-Acting SAE-10 Cartridge – 350 bar

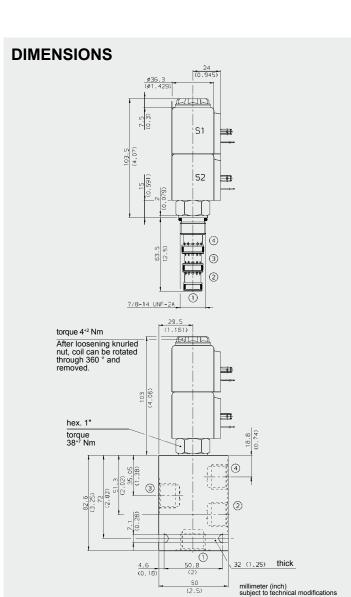
WK10G-01

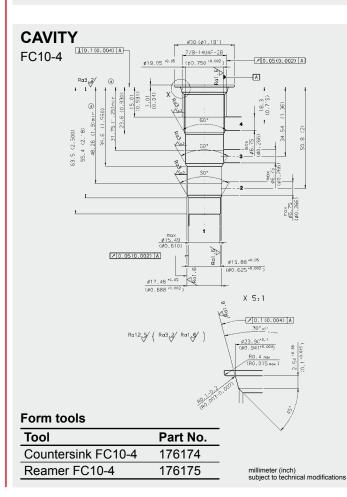
FEATURES

- 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

SPECIFICATIONS

Operating pressure:	350 bar		
Nominal flow:	max. 23 l/min (Consult HYDAC for flow		
	ratings above 207 bar)		
Internal leakage:	max. 280 cm³/min		
	at 207 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 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		
Material:	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:	FC10-4		
Weight:	Valve complete	e: 0.67 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 nominal voltage		
Coil duty rating:	Continuous up to max. 115% of nominal voltage at max. 60° C ambient temperature		
Coil type:	Coil40-1836 (2 pieces)		





MODEL CODE WK10G - 01 M - C - N - 24 DG Basic model Directional spool valve, UNF 01 = standard Manual override no details = without manual override = manual override Body and ports* = cartridge only SB4 = G1/2 ports, steel body AB4 = G1/2 ports, aluminium body Seals = NBR (standard) Ν = FKM 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 40-1836) DC: DG = DIN connector to EN 175301-803 DK KOSTAL-threaded connection M27x1

Standard models

DI

DT

AC: AG

DN =

Other connectors on request

Model code	Part No.
WK10G-01-C-N-12DG	3044464
WK10G-01-C-N-24DG	3038913
WK10G-01-C-N-230AG	3044482

2 flying leads, 457 mm long; 0.75 mm²

Deutsch connector, 2-pole, axial

AMP Junior Timer, 2-pole, radial

DIN connector to EN 175301-803

Other models on request

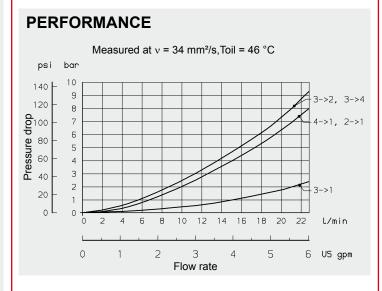
*Standard in-line bodies

Code	Part No.	Material	Ports	Pressure
FH104-SB4	3037784	Steel, zinc-plated	G1/2	420 bar
FH104-AB4	3038097	Aluminium, clear anodized	G1/2	210 bar

Other models on request

Seal kits

Code	Material	Part No.
Seal kit FS104-N	NBR	3051912
Seal kit FS104-N	FKM	3071275



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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