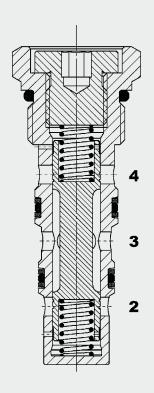
DAGINTERNATIONAL

Up to 45 I/min Up to 350 bar

FUNCTION



The WKH10DC is a hydraulically operated 3/3 directional valve in a 4-way cavity. In the spring-centred normal position, all ports are closed.

When there is an increase in pressure at port 2 against the spring force, the valve opens between port 3 and port 4. Oil can flow through the valve in both directions. Alternatively, when there is an increase in pressure at port 4 against the spring

force, the valve opens between port 2 and port 3. Oil can flow through the valve in both directions.

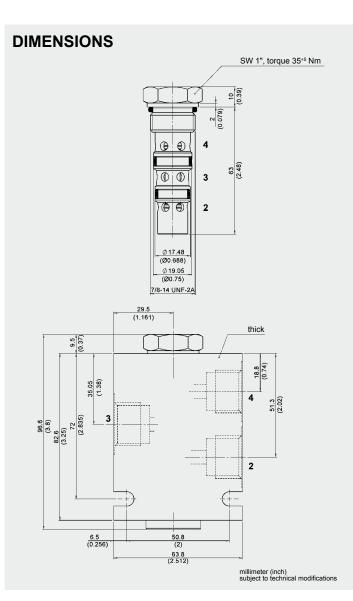
3/3 Directional Valve **Hydraulically Operated, Direct Acting** SAE-10 Cartridge - 250 bar WKH10DC

FEATURES

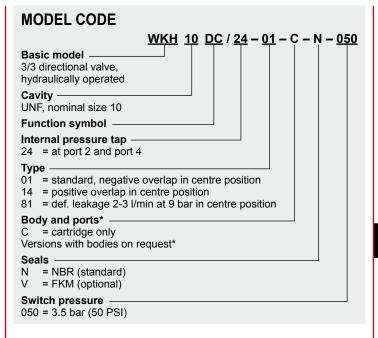
- Principal application is as a flushing valve for hydrostatic drives
- Excellent stability throughout the entire flow range
- External surfaces zinc-plated and corrosion-proof
- Hardened and ground internal valve components to ensure minimal wear and extended service life
- Versions available with various switch pressures

SPECIFICATIONS

Operating pressure:	max. 350 bar		
Nominal flow:	max. 45 l/min		
Internal leakage:	Max. 400 cm³/min at 350 bar and 36 mm²/s		
Media operating temperature range:	-20 °C to +100 °C		
Ambient temperature range:	-20 °C to +100 °C		
Operating fluid:	Hydraulic oil to DIN 51524 Part 1 and 2		
Viscosity:	min. 10mm²/s to max. 420mm²/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		
Materials:	Valve body:	steel	
	Spool:	hardened and ground steel	
	Seals:	NBR (standard) FKM (optional)	
	Back-up ring:	PTFE	
Cavity	FC10-4 (port 1 not used)		
Weight:	approx. 0.115 kg		



CAVITY UNF FC10-4 10.1(0.004) A 7/B-14UNF-2B /[0.05(0.002)[A] / 0.05(0.002) A X 5:1 Ra12.5/ (Ra3.2/ Ra1.6/ /0.1(0.004) A RO. 4 max (RO. 015 max) Form tools Part No. Tool Countersink 176174 176175 millimeter (inch) subject to technical modifications Reamer



Standard models

Model code	Part No.
WKH10DC/24-14-C-N-050	3481315
WKH10DC/24-81-C-N-050	3543256

Other models on request

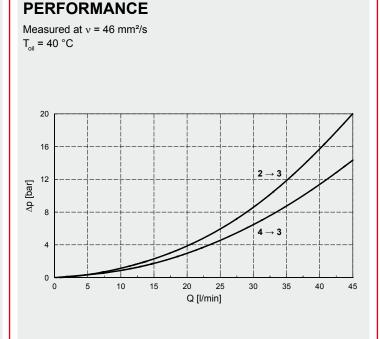
*Standard in-line bodies

Code	Part No.	Material	Ports	Pressure
FH104-SB4	3037784	Steel, zinc-plated	1/2 BSP	420 bar
FH104-AB4	3038097	Aluminium, clear anodized	1/2 BSP	210 bar

Other bodies on request

Seal kits

Code	Material	Part No.
FS104-N SEAL KIT	NBR	3051912
FS104-V SEAL KIT	FKM	3071275



NOTE

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

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