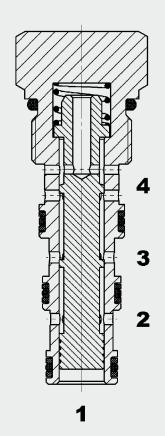
YDAC INTERNATIONAL

Up to 10 I/min Up to 250 bar

3/2 Directional Spool Valve Hydraulically Operated Direct-Acting SAE-10 Cartridge – 250 bar WKH10C

UNF

FUNCTION



FEATURES

- Low pressure drop throughout flow range
- External surfaces zinc-plated and corrosion-proof
- Hardened and ground internal valve components to ensure minimal wear and extended service life

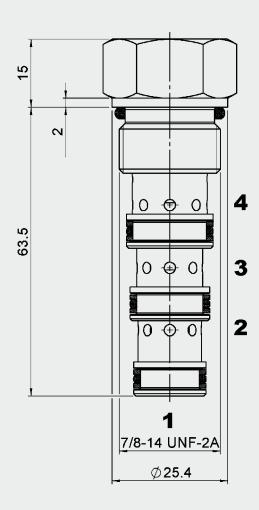
SPECIFICATIONS

Operating pressure:	max. 250 bar		
Nominal flow:	max. 10 l/min		
Internal leakage:	max. 120 cm³/min at 250 bar and 36 mm²/s		
Media operating temperature range:	min30 °C to max. +100 °C		
Ambient temperature range:	min30 °C to max. +80 °C		
Operating fluid:	Hydraulic oil to DIN 51524 Part 1 and 2		
Viscosity range:	min. 10 mm²/s 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		
Materials:	Valve body: steel Spool: hardened and ground steel Seals: NBR (standard) FKM (optional, media temperature range -20 °C to +120 °C) Back-up rings: PTFE		
Cavity:	FC10-4		
Weight:	approx. 0.15 kg		

The WKH10C is a hydraulically operated 3/2 directional valve. Normally closed at the pump port 2, oil can flow from port 3 (consumer) to port 4 (tank) below the spring pressure.

With an application of pressure at port 1 against the spring force, the valve opens from pump port 2 to port 3. The tank port 4 is then closed.

DIMENSIONS



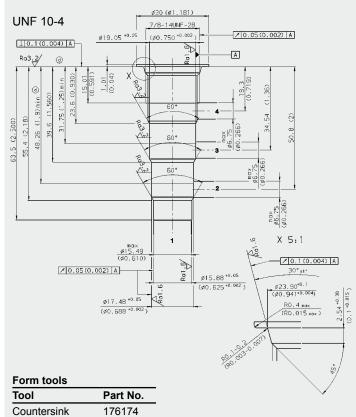
Millimeter Subject to technical modifications.

Millimeter (inch)
Subject to technical modifications.

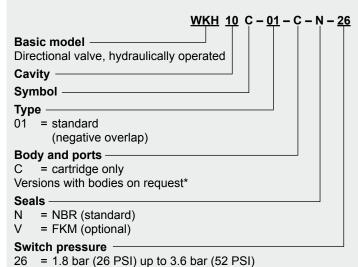
CAVITY

Reamer

176175



MODEL CODE



Standard models

Others on request

Model code	Part No.
WKH10C-01-C-N-26	3036366
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, anodized	1/2 BSP	210 bar

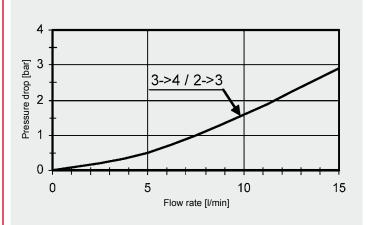
Other line bodies on request

Seal kits

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

PERFORMANCE

measured at $v = 33 \text{ mm}^2/\text{s}$, $T_{oil} = 46 ^{\circ}\text{C}$,



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.

HYDAC Fluidtechnik GmbH Justus-von-Liebig-Str. D-66280 Sulzbach/Saar Tel: 0 68 97 / 509-01 Fax: 0 68 97 / 509-598 E-Mail: flutec@hydac.com