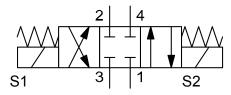


# AC INTERNATIONAL

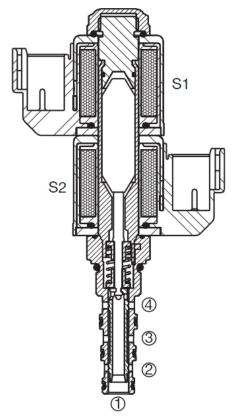
#### SYMBOL



4/3 Solenoid Directional Valve UNE Spool type, direct acting Cartridge-Minivalve - 350 bar **WK06E-01** 

up to 11 I/min up to 350 bar

### **FUNCTION**



In de-energized mode all ports are blocked.

If the coil S1 is energized, there is free flow from port 3 to 4 and from 2

If the coil S2 is energized, there is flow from port 3 to 2 and from 4 to 1.

## **FEATURES**

- All exposed surfaces corrosion-proof
- All valve parts made of high-strength steel with hardened and ground components to ensure minimal wear and extended service life
- Coil seals protect the solenoid system
- Coils easy to exchange and pivotable

### **SPECIFICATIONS**

Operating pressure:

Nominal flow:

Leakage:

Temperature range of operating fluid:

Ambient temperature range:

Fluid:

Viscosity range:

Filtration:

MTTF<sub>d</sub>: Installation:

Materials:

Cavity:

Weight:

max. 350 bar

max. 210 bar at Tank (port 1)

max. 11 l/min

< max. 100 cm<sup>3</sup>/min at 207 bar and

28 mm<sup>2</sup>/s

Min. - 30°C up to max. +100° C Min. - 30°C up to max. + 60° C

Hydraulic fluid to DIN 51524 T1 + T2 min. 7,4 mm<sup>2</sup>/s up to max. 420 mm<sup>2</sup>/s

Class 21 / 19 /16 according

to ISO 4406 or cleaner

150 years

no orientation restrictions

Valve body: steel with hardened work

surfaces

Piston: hardened and ground steel

Seals: NBR (Standard)

FKM (optional, temperature

range -20°C up to +120°C)

Back-up rings: TPE-E

FC06-4

Complete valve: 0,374 kg

Coil only: 0,088 kg (2x)

Electrical data

Type of voltage: DC coil, AC voltage is rectified by a rectifier

built-in the plug Nominal current at 20°C: 984 mA at 12 V DC

492 mA at 24 V DC Voltage tolerance: +/- 15% of Coil voltage

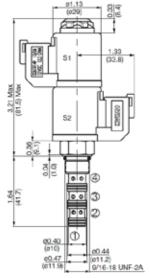
Coil duty rating: 100% continuous up to max. 115% of Coil voltage at 60°C

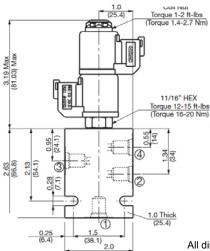
ambient temperature

Switching time: Energized: approx. 30 - 60 ms De-energized: approx. 20 - 40 ms

5.151.1 /01.13

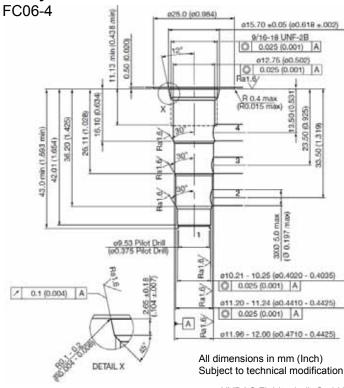
#### **DIMENSIONS**





All dimensions in inch (mm) Subject to technical modification

## Cavity



**Tools** 

Code Part No. Twist drill 2582057 2582058 Countersink

HYDAC Fluidtechnik GmbH Justus-von-Liebig-Str. 5 66280 Sulzbach / Saar Tel.: 06897 / 509 -0 06897 / 509 -598

Email: flutec@hydac.com

Fax:

**MODEL CODE** 

WK06E - 01M - C - N - 24 DNBasic model Directional Spool type, direct acting Type

01 = Standard

01M = manual override

01A = lockable manual override

Body & ports

C = cartridge only

\*versions in line bodies on request

N = NBR (Standard)

V = FKM (optional)

Coil voltage

= without coil (with nut and Seals)

DC: 12 = 12 Volt DC voltage 24 = 24 Volt DC voltage

AC: 115 = 105 Volt DC voltage

230 = 205 Volt DC voltage (at AC voltage plug with

suppressor diode necessary Mat. 2600582)

Coil connector (Coil... 32-1329)

DC: DG = DIN Plug to EN175301-803 Form B

DL = 2 leadwires, 450mm long

DN = Deutsch Plug, axial (Type DT04-2P)

Standard models

Code Part No. WK06E-01-C-N-0 without coil

(coils please choose from brochure D 5.155.0)

Other types on request

\*Line bodies

Code	Part No.	Material	Ports	<u>Pressure</u>
FH064-SB2	3740589	steel, zinc plate	ed G1/4	420 bar
FH064-AB2	3741315	Alu, anodized	G1/4	245 bar
other line bodies on request				

Seal kits

Code Part No. Seal kit-NBR 2610188 Seal kit-FKM 2610189

### **PERFORMANCE**

Measured at 28 mm<sup>2</sup>/s and T oil = 38°C

