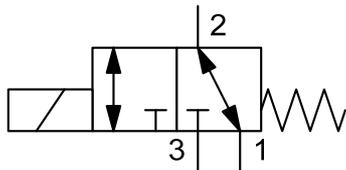


SYMBOL



up to 10 l/min
up to 350 bar

3/2 Solenoid Directional Valve

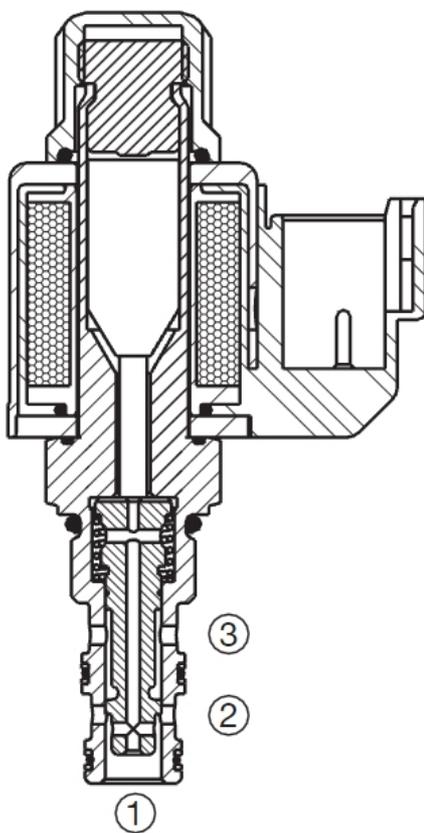
Spool type, direct acting

Cartridge-Minivalve – 350 bar

WK06C-01

UNF

FUNCTION



In de-energized mode there is free flow from port 1 to 2 and in the opposite direction. Port 3 is closed. If energized, the valve allows flow from port 2 to 3 and in the opposite direction. Port 1 is closed.

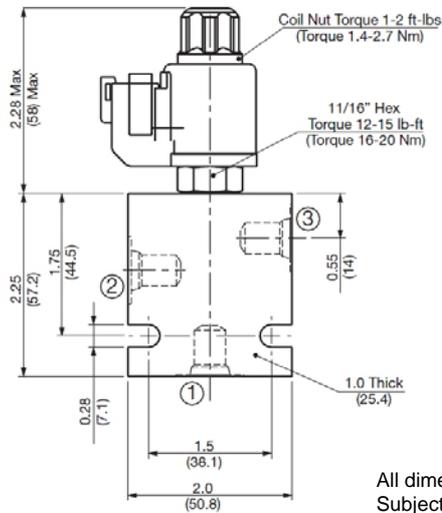
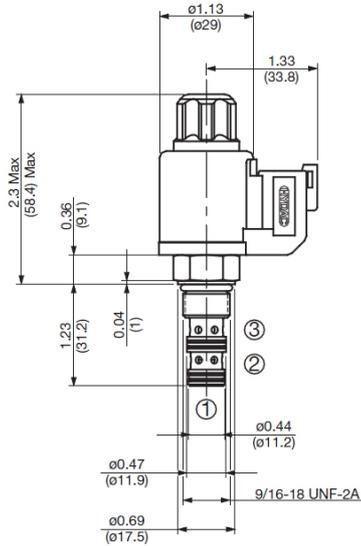
FEATURES

- 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
- Coil easy to exchange and pivotable

SPECIFICATIONS

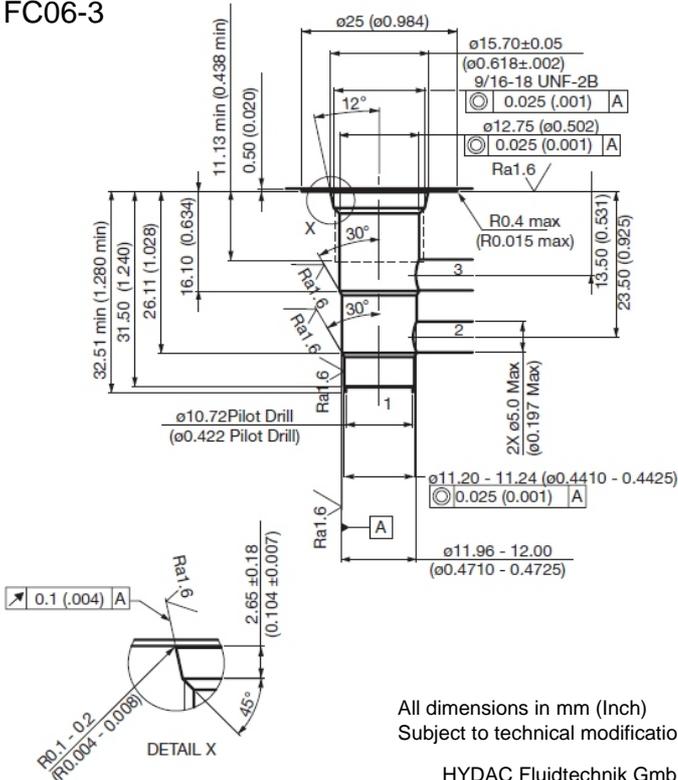
Operating pressure:	max. 350 bar
Nominal flow:	max. 10 l/min
Leakage:	< max. 90 cm ³ /min at 207 bar and 28 mm ² /s
Temperature range of operating fluid:	Min. – 30°C up to max. +100° C
Ambient temperature range:	Min. – 30°C up to max. + 60° C
Fluid:	Hydraulic fluid to DIN 51524 T1 + T2
Viscosity range:	min. 7,4 mm ² /s up to max. 420 mm ² /s
Filtration:	Class 21 / 19 /16 according to ISO 4406 or cleaner
MTTF _d :	150 years
Installation:	no orientation restrictions
Materials:	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
	FC06-3
	Complete valve: 0,175 kg
	Coil only: 0,088 kg
Cavity:	
Weight:	
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

DIMENSIONS



All dimensions in inch (mm)
Subject to technical modification

Cavity FC06-3



All dimensions in mm (Inch)
Subject to technical modification

Tools

Code	Part No.
Twist drill	2582050
Countersink	2582051



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Justus-von-Liebig-Str. 5
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Tel.: 06897 / 509-0
Fax: 06897 / 509-598
Email: flutec@hydac.com

MODEL CODE

WK06C - 01M - C - N - 24 DN

Basic model

Directional Spool type, direct acting

Type

01 = Standard

01M = manual override

Body & ports

C = cartridge only

*versions in line bodies on request

Seals

N = NBR (Standard)

V = FKM (optional)

Coil voltage

0 = 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.
WK06C-01-C-N-0 without coil	2610183

(coil please choose from brochure D 5.155.0)

Other types on request

*Line bodies

Code	Part No.	Material	Ports	Pressure
FH063-SB2	3740562	steel, zinc plated	G1/4	420 bar
FH063-AB2	3741286	Alu, anodized	G1/4	245 bar

other line bodies on request

Seal kits

Code	Part No.
Seal kit-NBR	2610186
Seal kit-FKM	2610187

PERFORMANCE

Measured at 28 mm²/s and T oil = 38°C

