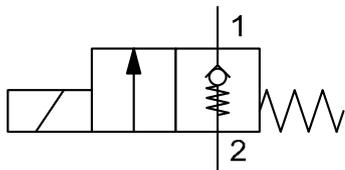
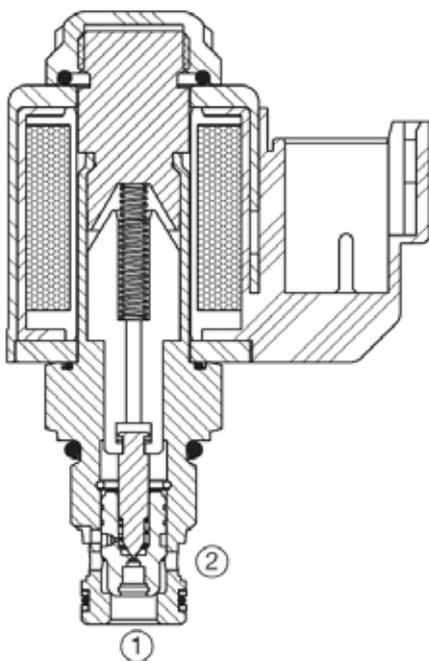


## SYMBOL



up to 20 l/min  
up to 350 bar

## FUNCTION



In de-energized mode the valve blocks flow from port 2 to 1.  
In the opposite direction the valve piston opens at a pressure differential from approx. 1,8 bar (Check function).  
If energized, there is flow from port 2 to 1. A backflow from port 1 to 2 is severely restricted.

## 2/2 Solenoid Directional Valve

### Poppet type, pilot operated, normally closed

## Cartridge-Minivalve – 350 bar

## WS06Z-01

# UNF

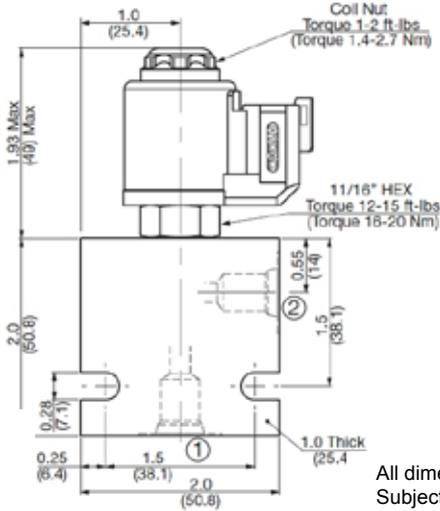
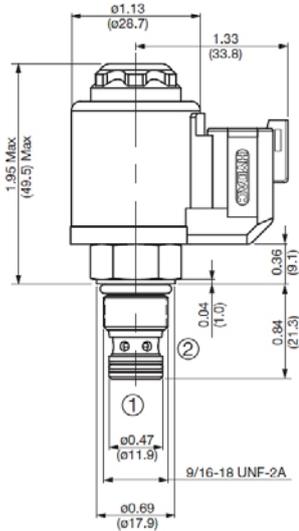
## FEATURES

- 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

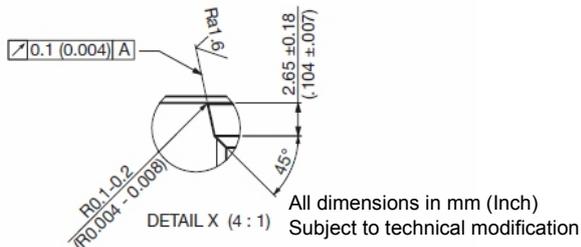
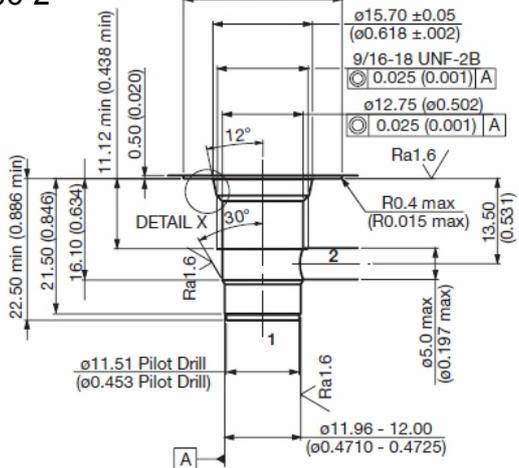
Operating pressure:	max. 350 bar
Nominal flow:	max. 20 l/min
Leakage:	leakage-free, < max. 0,35 cm <sup>3</sup> /min at nominal pressure
Temperature range of operating fluid:	Min. – 30°C up to max. +100° C
Ambient temperature range:	Min. – 30°C up to max. + 60° C
Fluid:	Hydraulic fluid to DIN 51524 T1 + T2
Viscosity range:	min. 7,4 mm <sup>2</sup> /s up to max. 420 mm <sup>2</sup> /s
Filtration:	Class 21 / 19 /16 according to ISO 4406 or cleaner
MTTF <sub>d</sub> :	150 years
Installation:	no orientation restrictions
Materials:	Valve body: steel Piston: hardened and ground steel Seals: NBR (Standard) FKM (optional, temperature range -20°C up to +120°C)
	Back-up rings: TPE-E FC06-2
Cavity:	
Weight:	Complete valve: 0,165 kg Coil only: 0,088 kg
<b>Electrical data</b>	
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. 35 ms De-energized: approx. 50 ms

## DIMENSIONS



All dimensions in inch (mm)  
Subject to technical modification

## Cavity FC06-2



All dimensions in mm (Inch)  
Subject to technical modification

## Tools

Code	Part No.	
Twist drill	2582046	
Countersink	2582047	

## MODEL CODE

WS06Z-01M-C-N-24 DN

**Basic model** \_\_\_\_\_  
Directional poppet valve, pilot operated

**Type** \_\_\_\_\_  
01 = Standard  
01M = manual override  
30 = with protection strainer around port 2

**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.
WS06Z-01-C-N-0 without coil	2610237

(coil please choose from brochure D 5.155.0)  
Other types on request

## \*Line bodies

Code	Part No.	Material	Ports	Pressure
FH062-SB2	3740528	steel, zinc plated	G1/4	420 bar
FH062-AB2	3741297	Alu, anodized	G1/4	245 bar

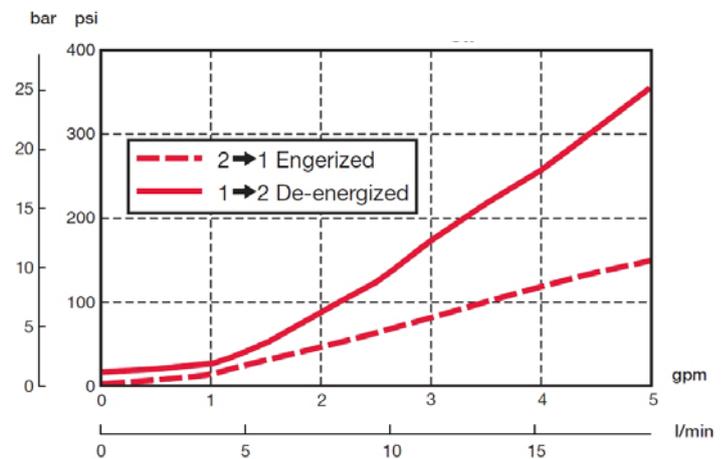
other line bodies on request

## Seal kits

Code	Part No.
Seal kit-NBR	2610184
Seal kit-FKM	2610185

## PERFORMANCE

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



## Annotation

The technical information in this brochure are relating to the operating conditions and applications. At deviant applications and/or operating conditions please contact the technical dept. Technical information are subject to technical modifications.

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