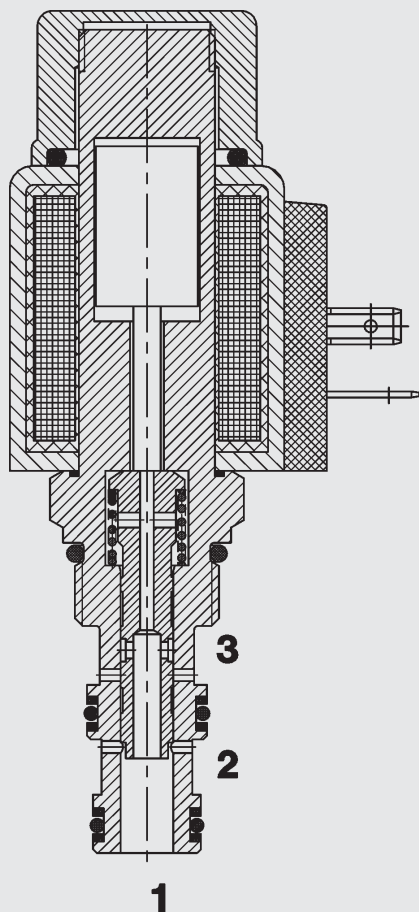


17 l/min  
350 bar

## FUNCTION



In the de-energized mode, the valve allows flow bidirectionally between ports 1 & 2, while blocking at port 3. When energized, the valve allows flow bidirectionally between ports 1 & 3, while blocking at port 2.

## 3/2-Solenoid Directional Valve SAE 8-Cartridge - 350 bar

WK08L-01  
SPOOL Type - Direct Operated

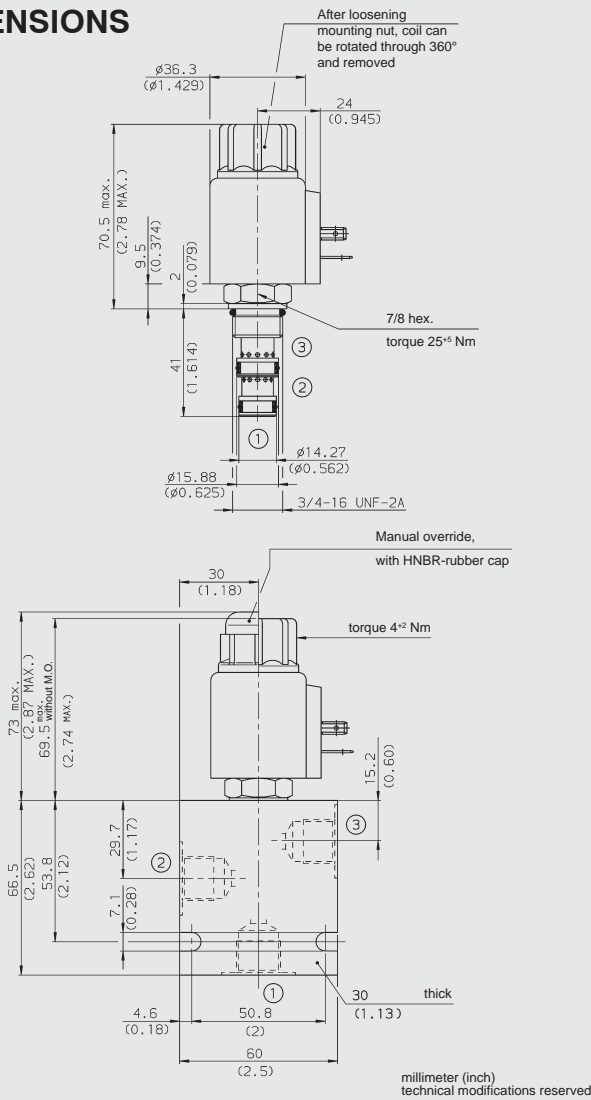
### FEATURES

- All surfaces zinc-plated and 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
- Wide variety of connectors available
- Rigid design using one-piece body minimizes the effect of eccentricities in cavity and maximizes reliability
- Excellent switching performance by high power HYDAC solenoid
- Low pressure drop due to CFD optimized flow-path

### SPECIFICATIONS

Operating pressure:	350 bar
Proof pressure:	520 bar
Nominal flow:	17 l/min Consult factory for flow ratings above 207 bar
Internal leakage:	90 cm <sup>3</sup> /min max at 250 bar and 34 mm <sup>2</sup> /s
Media operating temp. range:	-20 °C to +120 °C
Ambient temp. range:	-20 °C to +60 °C
Fluids:	Hydraulic oil to DIN 51524 Part 1 and 2
Viscosity:	7.4 to 420 mm <sup>2</sup> /s
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner
Material:	Valve body: high tensile steel Spool: hardened and ground steel Seals: NBR (standard) FKM (optional) Coil: Steel/Polyamide
Cavity:	FC08-3
Weights:	Valve complete: 0.37 kg Coil only: 0.19 kg
Type of voltage	DC solenoid, AC voltage is rectified by a built-in rectifier built into the coil
Current draw at 20 °C:	1.5 A at 12 V DC 0.8 A at 24 V DC
Voltage tolerance	± 15 % of nominal voltage
Switch-on time	Continuous up to 115 % of nominal voltage at 60 °C ambient temperature

## DIMENSIONS



## MODEL CODE

**WK08L-01 M - C - N - 24 DG**

**Designation**  
 Directional spool valve UNF  
 Cavity 08  
 Function code L  
 Type 01 = standard

**Option**  
 Omission = No Option  
 M = Manual Override

**Body and Ports\***  
 C = Cartridge Only  
 SB3 = 3/8 BSP ports, steel body  
 AB3 = 3/8 BSP ports, aluminium body

**Seals**  
 N = NBR  
 V = FKM

**Coil Voltage**  
**DC**  
 12 = 12 V DC  
 24 = 24 V DC

**AC** (internally full wave rectified)  
 115 = 115 V AC  
 230 = 230 V AC

other voltages on request

**Coil Connector**  
 DC: DG = DIN Connector to EN 175301-803  
 DK = Kostal connector  
 DL = Leadwires (2) - 457mm (18") long  
 DN = Deutsch connector 2-pole  
 DT = 2-pole AMP Junior Timer plug

AC: AG = DIN Connector to EN 175301-803  
 other connectors on request

## Standard models

Model code	Part no.
WK08L-01-C-N-24DG	3021475
WK08L-01-C-N-230AG	3043947

other models on request

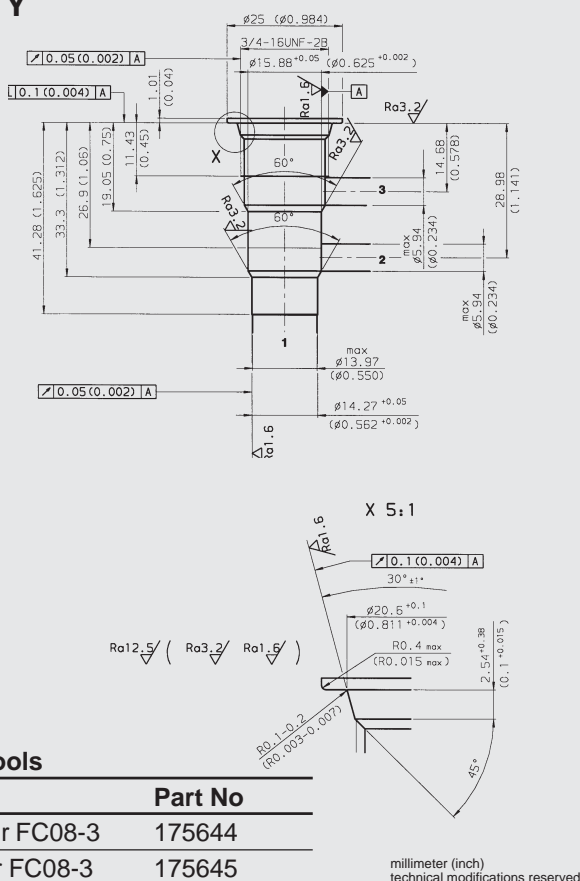
## \* Inline connection housings

Code	Part no.	Material	Ports	Pressure
FH083-SB3	560922	Steel, zinc-plated	3/8 BSP	420 bar
FH083-AB3	3011427	Aluminium, clear anodized	3/8 BSP	245 bar

other housings on request

## CAVITY

FC08-3

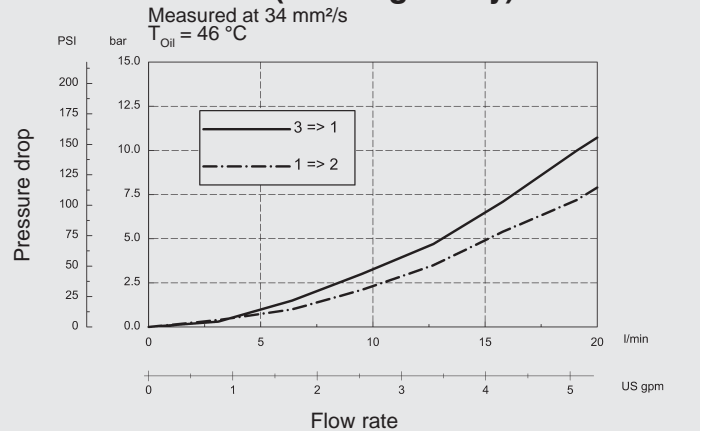


## Form tools

Tool	Part No
Rougher FC08-3	175644
Finisher FC08-3	175645

millimeter (inch)  
 technical modifications reserved

## PERFORMANCE (Cartridge Only)



## NOTE

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

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