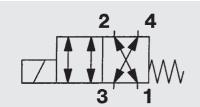
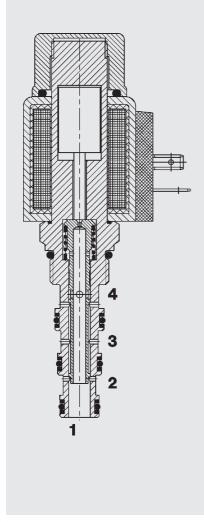


GYDAD INTERNATIONAL



19 l/min 350 bar

FUNCTION



In the de-energized mode, the valve allows flow from port 3 to 4 & port 4 to 3 and from port 2 to 1 & port 1 to 2. When the solenoid coil is energized, the valve allows flow in both directions between ports 3 and 2 and also between ports 4 and 1.

432 **HYDAC**

E 5.905.4/09.13

4/2 Solenoid Directional Valve UNF Spool Type, Direct-Acting SAE-08 Cartridge – 350 bar WK08Y-01

FEATURES

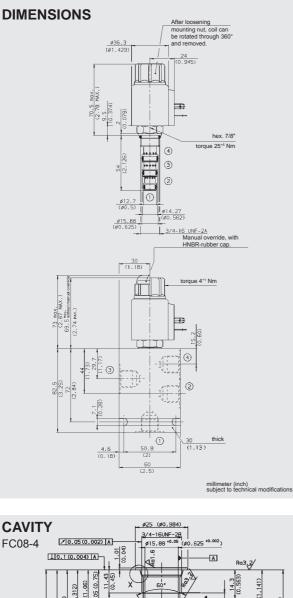
- External surfaces zinc-plated and corrosion-proof
- Hardened and ground internal valve components to ensure minimal wear and extended service life
- Coil seals protect the solenoid system
- Wide variety of connectors available
- Excellent switching performance by high power HYDAC solenoid
- Low pressure drop by CFD optimized flow path

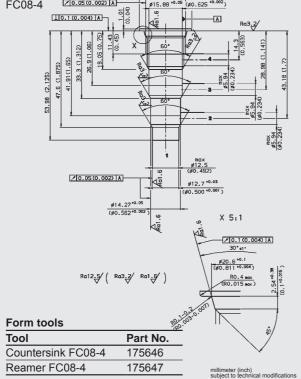
SPECIFICATIONS

Operating pressure:	max. 350 bar			
Nominal flow:	19 l/min (Consu above 207 bar)	19 l/min (Consult HYDAC for flow ratings above 207 bar)		
Internal leakage:	90 cm ³ /min at 2	90 cm ³ /min at 250 bar and 34 mm ² /s		
Media operating temperature range:	min20 °C to r	min20 °C to max. +100 °C		
Ambient temperature range:	min20 °C to r	min20 °C to max. + 60 °C		
Operating fluid:	Hydraulic oil to DIN 51524 Part 1 and 2			
Viscosity range:	min. 7.4 mm ² /s to max. 420 mm ² /s			
Filtration:	Class 21/19/16 cleaner	Class 21/19/16 according to ISO 4406 or cleaner		
MTTF _d :	150 years (see "Conditions and instructions for valves" in brochure 5.300)			
Materials:	Valve body:	free-cutting steel		
	Piston:	hardened and ground steel		
	Seals:	NBR (standard) FKM (optional, media temperature range -20 °C to 120 °C)		
	Back-up rings:	PTFE		
	Coil:	steel, polyamide		
Cavity:	FC08-4			
Weight:	Valve complete	0.38 kg		
	Coil only	0.19 kg		
Electrical data:				
Type of voltage:		DC solenoid, AC voltage is rectified using a bridge rectifier built into the coil		
Nominal voltage at 20 °C:	1.5 A at 12 V DC 0.8 A at 24 V DC			
Voltage tolerance:	± 15% of the nominal voltage			
Coil duty rating:	Continuous up to max. 115% of the nominal voltage at 60 °C ambient temperature			
Coil type:	Coil40-1836			

Archivierung 12/2020







MODEL CODE	
<u>WK08Y</u> – <u>01</u> M – C	C – N – <u>24</u> <u>DG</u>
Basic model Directional spool valve, UNF	
Type	
Manual override no details = without manual override M = manual override	
Body and ports* C = cartridge only SB3 = G3/8 ports, steel body AB3 = G3/8 ports, aluminium body	
Seals N = NBR (standard) V = FKM	
Coil voltage DC voltages: 12 = 12 V DC 24 = 24 V DC	
<u>AC voltages</u> (bridge rectifier built into the coil) 115 = 115 V AC 230 = 230 V AC	
Other voltages on request	
Coil connectors (type 40-1836) DC: DG = DIN connector to EN 175301-803 DK = KOSTAL threaded connection M27x1 DL = 2 flying leads, 457 mm long, 0.75 mm ² DN = Deutsch connector, 2-pole, axial	

- DT = AMP Junior Timer, 2-pole, radial
- AC: AG = DIN connector to EN 175301-803

Other connectors on request

Standard models

Model code	Part No.
WK08Y-01-C-N-24DG	3020645
WK08Y-01-C-N-230AG	3044084
Other models on request	

*Standard in-line bodies

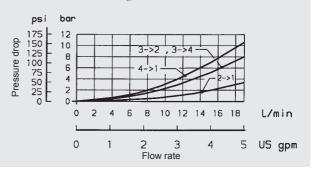
Code	Part No.	Material	Ports	Pressure
FH084-SB3	563383	Steel, zinc-plated	G3/8	420 bar
FH084-AB3	3011407	Aluminium, clear anodized	G3/8	210 bar
Other models on	request	·		

Seal kits

Code	Material	Part No.
FS084-N SEAL KIT	NBR	3071272
FS084-V SEAL KIT	FKM	3071273

PERFORMANCE

Measured at $v = 34 \text{ mm}^2/\text{s}$, $T_{oil} = 46 \text{ °C}$



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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E 5.905.4/09.13 **HYDAC** | 433

Archivierung 12/2020