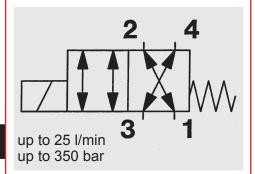


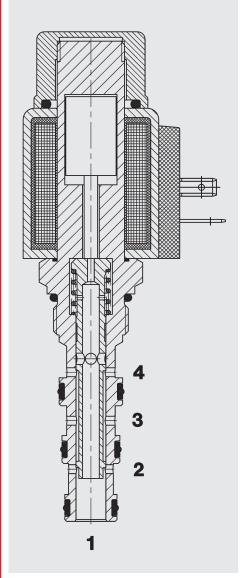
## DACHINTERNATIONAL



# 4/2 Solenoid Directional Valve **Spool Type, Direct-Acting, Metric Cartridge – 350 bar**

WKM08140Y-01

#### **FUNCTION**



### **FEATURES**

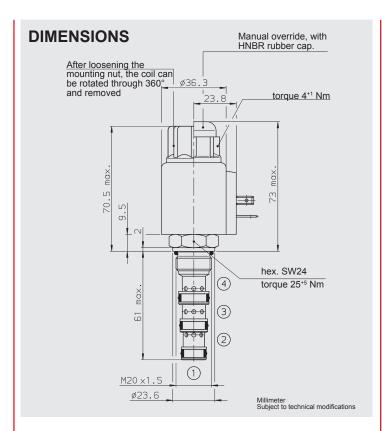
- External surfaces zinc-plated and corrosion proof
- Hardened and ground internal valve components to ensure minimal wear and extended service life
- Coil seals protect the solenoid system
- Wide variety of connectors available
- Excellent switching performance by high power HYDAC solenoid
- Low pressure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

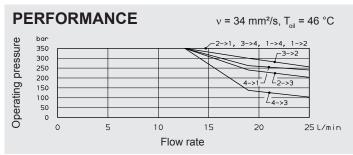
#### **SPECIFICATIONS**

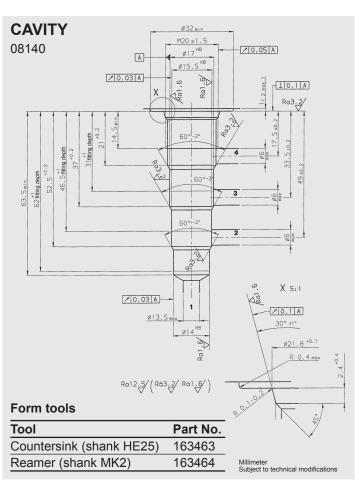
may 250 har		
min20 °C to max. +100 °C		
min20 °C to max. +60 °C		
Hydraulic oil to DIN 51524 Part 1 and 2		
min. 10 mm <sup>2</sup> /s to max. 420 mm <sup>2</sup> /s		
Class 21/19/16 according to ISO 4406 or cleaner		
150 years (see "Conditions and		
instructions for valves" in brochure 5.300)		
No orientation restrictions		
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	
08140		
Valve complete	0.38 kg	
Coil only	0.19 kg	
DC solenoid, AC voltage is rectified using a bridge rectifier built into the coil		
using a bridge i	ectinei bunt into the con	
1.5 A at 12 V D		
1.5 Å at 12 V D0 0.8 Å at 24 V D0		
1.5 Å at 12 V DO 0.8 Å at 24 V DO ± 15% of the no Continuous up t nominal voltage		
1.5 Å at 12 V D0 0.8 Å at 24 V D0 ± 15% of the no Continuous up t	minal voltage o max. 115% of the	
1.5 Å at 12 V DO 0.8 Å at 24 V DO ± 15% of the no Continuous up t nominal voltage temperature	minal voltage o max. 115% of the at 60 °C ambient	
	min20 °C to m Hydraulic oil to min. 10 mm²/s to Class 21/19/16 cleaner 150 years (see instructions for No orientation rowalve body: Piston: Seals:  Back-up rings: Coil: 08140 Valve complete Coil only	

When the solenoid coil is not energized, there is free flow through the valve from port 3 to 4 or 4 to 3 and also from 2 to 1 or 1 to 2.

When the solenoid coil is energized, there is free flow through the valve from port 3 to 2 or from 2 to 3 and also from port 4 to 1 or from 1 to 4.







#### **MODEL CODE** WKM08140Y - 01 M - C - N - 24 DG Basic model Directional spool valve, metric 01 = standard Manual override no details = without manual override M = manual override Body and ports\* C = cartridge only Seals = NBR (standard) = FKM Coil voltage DC voltages 12 = 12 V DC 24 = 24 V DC AC voltages (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 EN175301-803 DT = AMP Junior Timer, 2-pole, radial

#### Standard models

Model code	Part No.
WKM08140Y-01-C-N-24DG	3086566
WKM08140Y-01-C-N-230AG	3091791

DK = Kostal threaded connection M27 x 1 DL = 2 flying leads 475 mm long, 0.75 mm<sup>2</sup>

DN = Deutsch connector, axial

AC: AG = DIN connector to EN175301-803

#### \*Standard in-line bodies

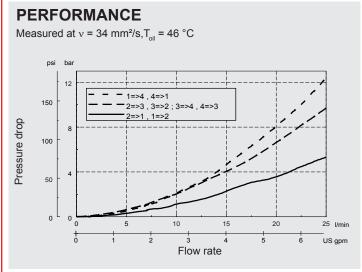
Other connectors on request

Code	Part No.	Material	Ports	Pressure
R08140-01X-01	394473	Steel, zinc-plated	G3/8	420 bar
R08140-01X-01	393535	Steel, zinc-plated	M 14 x 1.5	420 bar

Other housings on request

#### Seal kits

Code	Material	Part No.
SEAL KIT WKM08140C-N	NBR	3098029



#### **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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