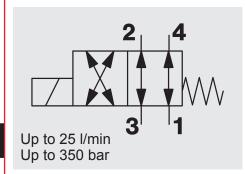


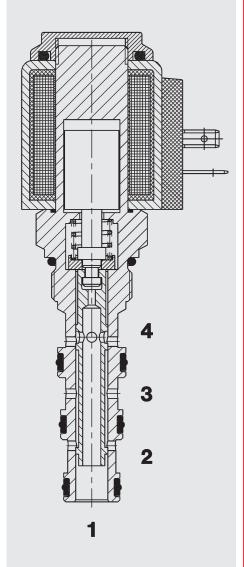
PAGINTERNATIONAL



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

WKM08140X-01

FUNCTION



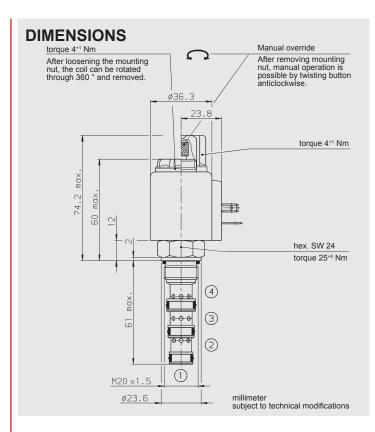
FEATURES

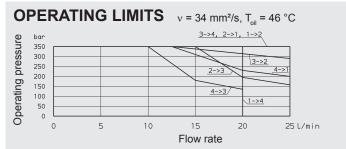
- Coil seals protect the solenoid system
- Wide variety of connectors available
- Hardened and ground control spool to ensure minimal wear and extended service life
- Low pressure drop due to CFD optimized flow path
- External surfaces zinc-plated and corrosion-proof
- Excellent stability throughout the entire flow range
- Compact design enables space-saving installation in connection housings and control

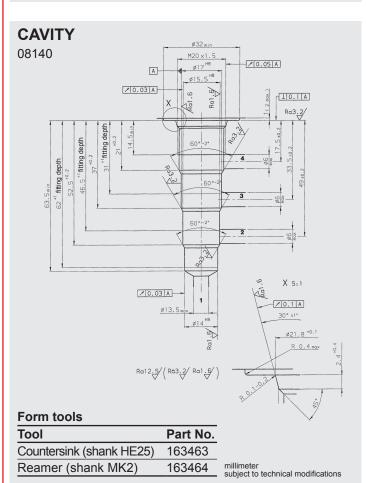
SPECIFICATIONS

. 350 bar . 25 l/min		
25 I/min		
. 23 //111111		
max. 150 cm³/min at 250 bar and 34 mm²/s		
-20 °C to max. +100 °C		
-20 °C to max. +60 °C		
Hydraulic oil to DIN 51524 Part 1 and 2		
min. 10 mm²/s to max. 420 mm²/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		
e body: free-cutting steel		
ol: hardened and ground steel		
s: NBR (standard) FKM (optional, media temperature range -20 °C to +120 °C)		
c-up rings: PTFE		
steel / polyamide		
10		
e complete 0.38 kg		
only 0.19 kg		
DC solenoid, AC voltage is rectified using a bridge rectifier built into the coil		
1.5 A at 12 V DC 0.8 A at 24 V DC		
± 15% of the nominal voltage		
100% (continuous) up to max. 115% of the nominal voltage at 60 °C ambient temperature		
Coil40-1836		

When the solenoid coil is de-energised, the valve allows flow from port 3 to 2 or 2 to 3 and from port 4 to 1 and 1 to 4. When energised, the valve allows flow from port 3 to 4 or 4 to 3 and from port 2 to 1 and 1 to 2.







MODEL CODE WKM08140X - 01 M - C - N - 24 DG Basic model -Directional spool valve, metric 01 = standard Manual override No details = without manual override = manual override Body and ports* C = cartridge only Seals Ν = NBR (standard) = FKM Nominal voltage for actuating solenoid DC voltages: = 12 V DC 12 = 24 V DC AC voltages (bridge rectifier built into the coil)

Other voltages on request Coil connectors (type 40-1836)

= 115 V AC

= 230 V AC

230

DC: DG = DIN connector to EN175301-803 DT = AMP Junior Timer, 2 pole, radial DK = Kostal threaded connection M27 x 1 DL = 2 flying leads, 475 mm long; 0.75 mm² DN = Deutsch connector, axial

AC: AG = DIN connector to EN175301-803

Other connectors on request

Standard models

Model code	Part No.
WKM08140X-01-C-N-24DG	3121197
WKM08140X-01-C-N-230AG	3121258

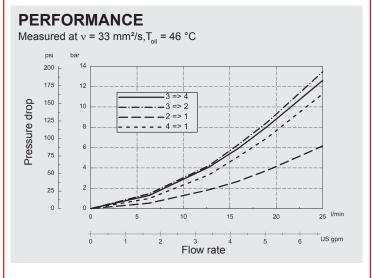
*Standard in-line bodies

Code	Part No.	Material	Ports	Pressure
R08140-01X-01	394473	Steel, zinc-plated	G 3/8	420 bar
R08140-01X-02	393535	Steel, zinc-plated	M 14 x 1.5	420 bar

Other bodies 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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