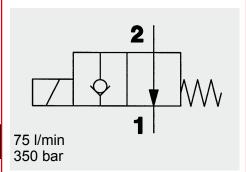


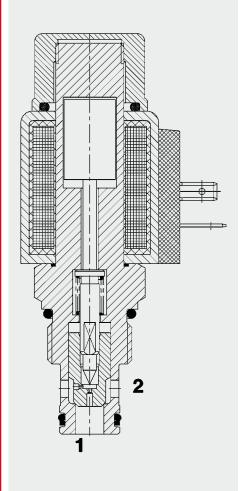
DAC) INTERNATIONAL



2/2 Solenoid Directional Valve UNF **Poppet Type, Pilot-Operated Normally Open** SAE-10 Čartridge – 350 bar

WS10Y-01

FUNCTION



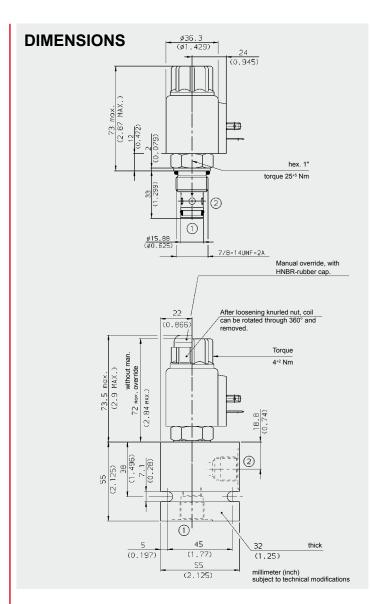
When de-energized, there is free flow through the valve from port 2 to port 1. Flow is not possible in the reverse direction. When the solenoid coil is energized, the valve is closed from port 2 to port 1. In the reverse direction the valve will allow flow from port 1 to 2 when the hydraulic force on the piston overcomes the solenoid force (approx. 2.5 to 10 bar).

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 due to CFD optimized flow path

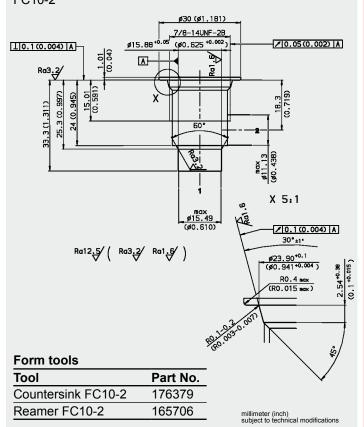
SPECIFICATIONS

Operating pressure:	max. 350 bar		
Nominal flow:	max. 75 l/min		
Leakage:	Leakage-free		
		cm³/min at 350 bar)	
Media operating temperature range:	min20 °C to max. +100 °C		
Ambient temperature range:	min20 °C to max. + 60 °C		
Operating fluid:	Hydraulic oil to DIN 51524 Part 1 and 2		
Viscosity range:	min. 7.4 mm²/s to max. 420 mm²/s		
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner		
MTTF _d :	150 years (see "Conditions and instructions for valves" in brochure 5.300)		
Installation:	No orientation restrictions		
Materials:	Valve body:	free-cutting steel	
	Piston:	hardened and	
		ground steel	
	Seals:	NBR (standard)	
		FKM (optional, media	
		temperature range	
	Daale en minara	-20 °C to +120 °C) PTFE	
	Back-up rings:		
Carriet	Coil:	Steel/Polyamide	
Cavity:	FC10-2	0.07 km	
Weight:	Valve complete	0.37 kg	
Floration I data.	Coil only	0.19 kg	
Electrical data:	F	25	
Response time:	Energized:	approx. 35 ms	
T ()	De-energized:	approx. 50 ms	
Type of voltage:	DC solenoid, AC voltage is rectified		
Command draw at 20 °C	using a bridge rectifier built into the coil		
Current draw at 20 °C:	1.5 A at 12 V DC		
Voltage televence	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		
	20 10 1000		

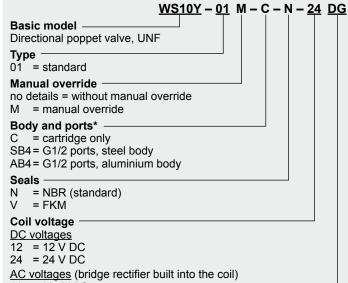


CAVITY

FC10-2



MODEL CODE



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 mm² 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.
WS10Y-01-C-N-24DG	3030653
WS10Y-01-C-N-230AG	3043826
Other models on request	

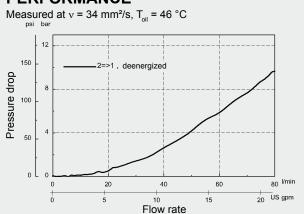
* Standard in-line bodies

Code	Part No.	Material	Ports	Pressure
FH102-SB4	3037594	Steel, zinc-plated	G1/2	350 bar
FH102-AB4	3037777	Aluminium, anodized	G1/2	210 bar
Other housings	s on request			

Seal kits

Code	Material	Part No.
FS102-N SEAL KIT	NBR	3033872
FS102-V SEAL KIT	FKM	3051757

PERFORMANCE



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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