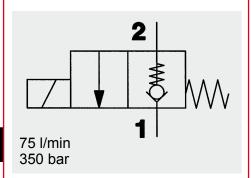


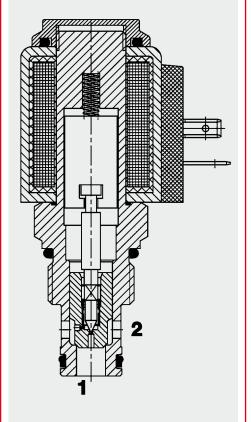
DACINTERNATIONAL



2/2 Solenoid Directional Valve UNI Poppet Type - Pilot Operated, Normally Closed SAE-10 Cartridge - 350 bar

WS10Z-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

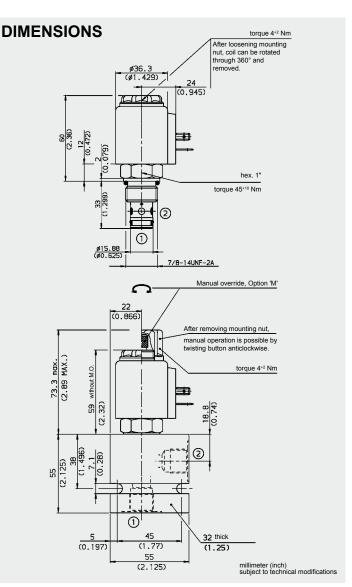
SPECIFICATIONS

Operating pressure:	max. 350 bar		
Nominal flow:	max. 75 l/min		
Leakage:	Leakage-free		
		0,25 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 mm ² /s to max. 420 mm ² /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 r	No orientation restrictions	
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	
Covity	FC10-2	steer / polyamide	
Cavity: Weight:		. 0.27 kg	
weight:	Valve complete		
Floatiscal data:	Coil only:	0.19 kg	
Electrical data:		20 72	
Switching time:	energized:	approx. 30 ms	
-		approx. 60 ms	
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 D		
Voltage tolerance:		± 15% of the nominal voltage	
		ous up to max. 115% of the	
	nominal voltage	e at 60 °C ambient	
- ·	temperature		
Coil type:	Coil40-1836		

When the solenoid coil is not energized, the valve is closed from port 2 to port 1. There is free flow from port 1 to port

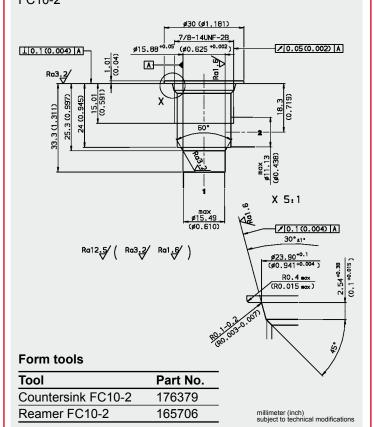
2. When energized, there is free flow through the valve from port 2 to port 1. Flow in the reverse direction is not

possible.

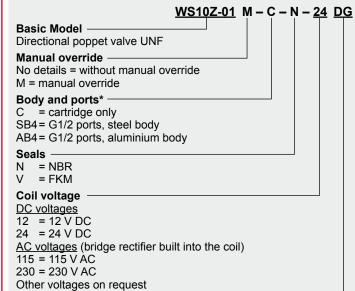


CAVITY

FC10-2



MODEL CODE



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.
WS10Z-01-C-N-24DG	3030560
WS10Z-01-C-N-230AG	3043793
Other models on request	

*Standard in-line bodies

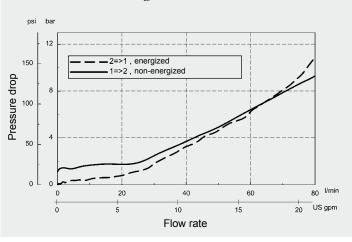
Code	Part No.	Material	Ports	Pressure
FH102-SB4	3037594	Steel, zinc-plated	G1/2	420 bar
FH102-AB4	3037777	Aluminium, clear anodized	G1/2	210 bar
Other housings	on request			

Seal kits

Code	Material	Part No.
FH102-N Seal kit	NBR	3033872
FH102-V Seal kit	FKM	3051757

PERFORMANCE

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



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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