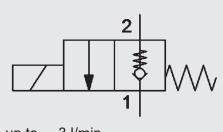
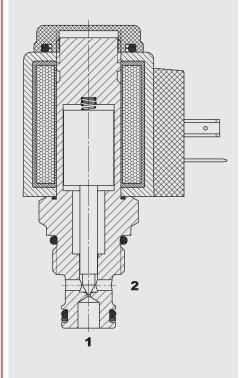


DAD INTERNATIONAL



3 I/min up to up to 350 bar

FUNCTION



The directional valve is a direc-acting poppet valve, which is particularly suitable for low flow rates.

When the coil is not energized, the valve is closed from port 2 to port 1. In the opposite direction, the valve opens at a pressure differential of approx. 60 bar. When the coil is energized, the valve allows flow from port 2 to 1.

2/2 solenoid directional valve poppet type, direct-acting normally closed Metric Cartridge - 350 bar

WSM06020Z-70

FEATURES

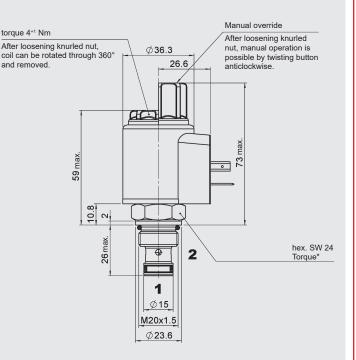
- The valve is specially designed for use as a pilot valve
- Coil seals protect the solenoid system
- Wide variety of connectors available
- Excellent switching performance by high power HYDAC solenoid
- Exposed surfaces zinc-nickel plated for increased corrosion protection (1.000 h Salt spray test)

SPECIFICATIONS*

Operating pressure:	max. 350 bar		
Nominal flow:	max. 3 l/min		
Internal leakage:	Leakage-free		
	max. 5 drops/min (0,25 cm³/min) at 350 bar		
Media operating temperature range:	min20 °C to max. +100 °C		
Ambient temperature range:	min20 °C to n		
Operating fluid:	Hydraulic oil to DIN 51524 Part 1, 2 and 3		
Viscosity range:	min. 7.4 mm²/s to max. 420 mm²/s		
Filtration:	< 210 bar: min. 20/18/15		
(according to ISO 4406)	> 210 bar: min.		
MTTF _d :	150 - 1200 years,		
	according to DIN EN ISO 13849-1		
Installation:	No orientation restrictions		
Materials:	Valve body:	steel	
	Poppet:	hardened and ground steel	
	Seals:	NBR (standard)	
		FKM (optional, media	
		temperature range	
		-20 °C to +120 °C)	
	Back-up rings:	PTFE	
Cavity:	06020		
Weight:	Complete valve	•	
-	Coil only:	0.19 kg	
Electrical data			
Type of voltage:	DC: direct curre		
	AC: alternating current solenoid with a		
	bridge rectifier built into the coil		
Current draw at 20 °C:	1.5 A at 12 V DC		
V. 16 6 .1	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		
Pagnanas timo:	temperature	annray 20 ma	
Response time:	energized:	approx. 20 ms	
(at p_{max} , Q_{max} , $v = 33 \text{ mm}^2/\text{s}$)	de-energized:		
Coil type:	Coil40-1836		

see "Conditions and instructions for valves" in brochure 53.000

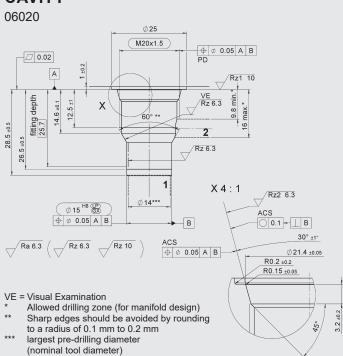
EN **5.943.3**.2/03.20



*Torque: Steel manifold (ultimate tensile strength < 360 N/mm²): 55 Nm Aluminium manifold (ultimate tensile strength < 330 N/mm²): 42 Nm (tool acc. to DIN EN ISO 6789, tool type II class A or B) For further informations see brochure No. 53.000 "Conditions and instructions for valves"

millimeter subject to technical modifications

CAVITY

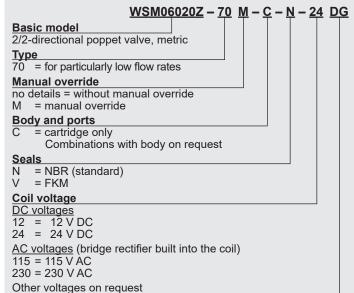


Form tools

Tool	Part No.	
Countersink MK3	170033	
Reamer MK2	1000768	millimete
		subject to

er to technical modifications

MODEL CODE



Coil connectors (type 40-1836)

DC: DG = DIN connector type A to EN 175301-803 DK = KOSTAL threaded connection M27x1 DL = 2 flying leads, 457 mm long, 0.75 mm² DN = Deutsch connector DT04-2P, 2-pole, axial

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

Other connectors on request

Standard models

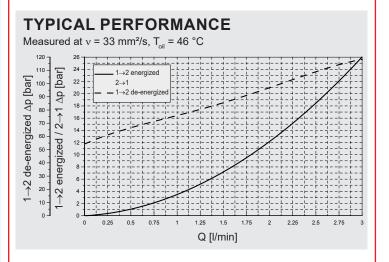
Model code	Part No.
WSM06020Z-70-C-N-12DG	3581216
WSM06020Z-70-C-N-24DG	3534256
WSM06020Z-70-C-N-230AG	3534257
Other models on request	'

Standard in-line bodies

Code	Part No.	Material	Ports	Pressure
R06020-01X-01	275266	Steel, zinc-plated	G3/8"	350 bar

Seal kits

Code	Material	Part No.
SEAL KIT 06020-NBR	NBR	3119017
SEAL KIT 06020-FKM	FKM	3262477



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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