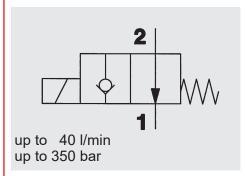


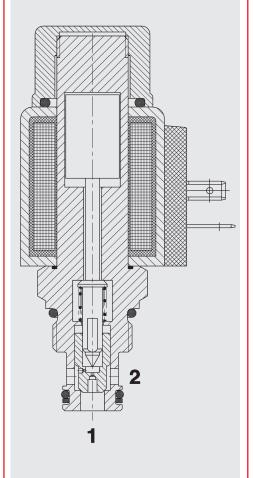
(PAC) INTERNATIONAL



2/2 Solenoid Directional Valve **Poppet Type, Pilot-Operated** Normally Öpen Metric Cartridge – 350 bar

WSM06020Y-01

FUNCTION



FEATURES

- Excellent switching performance by high power HYDAC solenoid
- Coil seals protect the solenoid system
- Compact design enables space-saving installation in connection housings and control blocks
- Exposed surfaces zinc-nickel plated for increased corrosion protection (1.000 h Salt spray test)

SPECIFICATIONS*

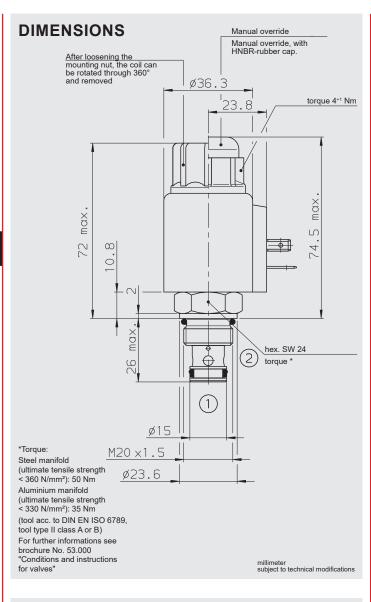
Operating pressure:	max. 350 bar	max. 350 bar		
Nominal flow:	max. 40 l/min			
Internal leakage:	Leakage-free max. 5 drops/mii	Leakage-free max. 5 drops/min (0.25 cm³/min) at 350 bar		
Media operating temperature range:	min20 °C to m	min20 °C to max. +100 °C		
Ambient temperature range:	min20 °C to m	nax. + 60 °C		
Operating fluid:	Hydraulic oil to l	Hydraulic oil to DIN 51524 part 1, 2 and 3		
Viscosity range:	min. 10 mm²/s to	min. 10 mm²/s to max. 420 mm²/s		
Filtration:	Class 21/19/16 cleaner	Class 21/19/16 according to ISO 4406 or cleaner		
MTTF _d :		150 - 1200 years, according to DIN EN ISO 13849-1		
Installation:	No orientation re	No orientation restrictions		
Materials:	Valve body:	free-cutting steel		
	Poppet:	hardened and ground steel		
	Seals:	NBR (standard) FKM (optional, media temperature range -20 °C to +120 °C)		
	Back-up rings:	PTFE		
	Coil:	steel / polyamide		
Cavity:	06020			
Weight:	Valve complete:	0.33 kg		
	Coil only:	0.19 kg		
Electrical data				
Type of voltage:	AC: alternating	DC: direct current solenoid AC: alternating current solenoid with a bridge rectifier built into the coil		
Current draw at 20 °C:		1.5 A at 12 V DC 0.8 A at 24 V DC		
Voltage tolerance:	± 15 % of the no	± 15 % of the nominal voltage		
Coil duty rating:	max. 115 % of t	Continuous up to max. 115 % of the nominal voltage at 60 °C ambient temperature		
Response time:	energized: de-energized:	approx. 50 ms approx. 35 ms		
	substantially extended response times possible at other operating conditions			
Coil type:	Coil40-1836	Coil40-1836		

When de-energized, there is free flow through the valve from port 2 to 1. Flow in the reverse direction is not permitted. When the solenoid coil is energized, the valve is closed from port 2 to port 1. In the reverse direction there is free flow through the valve when the hydraulic force on the piston exceeds the solenoid force (approx. 9 to 20 bar).

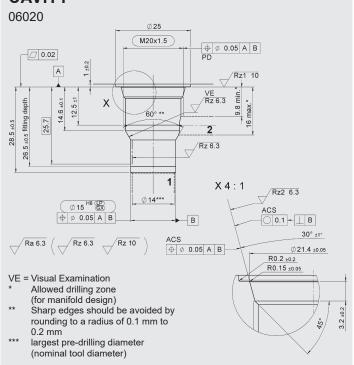
Please mind: In pilot operated solenoid valves, shift performance and response times depend i.a. very much on pressure drop and volume flow during actuation.

EN **5.947**.4/11.18

^{*} see "Conditions and instructions for valves" in brochure 53.000



CAVITY

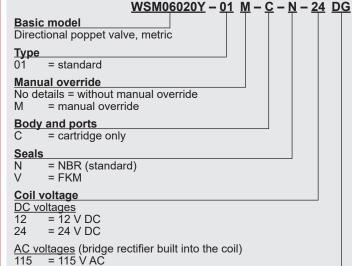


Part No.

1000768

170033

MODEL CODE



Other voltages on request

= 230 V AC

230

Coil connectors (type 40-1836) DC: DG = DIN connector to EN175301-803 DK = Kostal threaded connection M27 x 1 DL = 2 flying leads 475 mm long, 0.75 mm² DN = Deutsch connector type A, 2 pole, axial DT = AMP Junior Timer, 2 pole, radial

AC: AG = DIN connector type A to EN175301-803

Other connectors on request

Standard models

Model code	Part No.
WSM06020Y-01-C-N-24DG	3056077
WSM06020Y-01-C-N-230AG	3056075

Standard in-line bodies

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

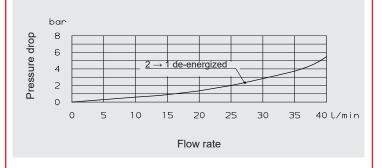
For other connection housings, see brochure no. E 5.252.

Seal kits

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

TYPICAL PERFORMANCE

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



NOTE

millimeter subject to technical modifications

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.

Form tools

Countersink (shank MK3)

Reamer (shank MK2)

Tool