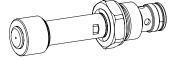


Solenoid operated poppet valve cartridge

- ◆ solenoid operated
- direct operated
- ◆ normally closed
- ◆ 2/2-way
- \bullet $\Omega_{max} = 15 \text{ l/min}$
- ightharpoonup p $_{max}$ = 250 bar

M20 x 1,5



DESCRIPTION

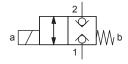
Direct operated 2/2-way solenoid poppet valve in screw-in cartridge construction for cavity according to Wandfluh standard. In case of the BA execution, the valve is closed in the de-energised position.

APPLICATION

Poppet valves are used where tight closing functions of the valve are essential like leakfree load holding, clamping or gripping. The poppet valve cartridge is mainly used in the mobile and stationary block construction.

SYMBOL

"Normally closed" BA



TYPE CODE

		S D E PM20 X5 #
Poppet valve		
Direct operated		
Solenoid		
Screw-in cartridge M20 x 1,5		
2/2 way, «normally closed»	BA	
Without coil	(The coil has to be ordered separately)	
Design index (subject to change)		
1.11-205A		

GENERAL SPECIFICATIONS

2/2-way poppet valve
Direct operated
Screw-in cartridge type
M20 x 1,5
Switching solenoid
-30+110 °C
0,12 kg
150 years

HYDRAULIC SPECIFICATIONS

Working pressure	p _{max} = 250 bar
Maximum volume flow	Ω_{max} = 15 l/min, see characteristics
Leakage volume flow	Seat tight, max. 5 drops / min at p _{max}
Fluid	Mineral oil, other fluid on request
Viscosity range	8 mm ² /s420 mm ² /s
Temperature range fluid	-20+70 °C
Contamination efficiency	Class 20 / 18 / 14
Filtration	Required filtration grade $\& 1016 \ge 75$, see data sheet 1.0-50

SURFACE TREATMENT

 The armature tube and the external parts of the cartridge body are zinc coated

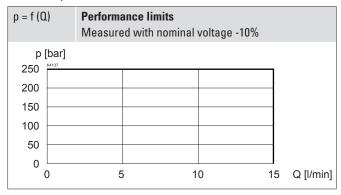
MANUAL OVERRIDE

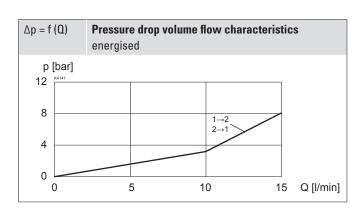
None



PERFORMANCE SPECIFICATIONS

Oil viscosity $v = 30 \text{ mm}^2/\text{s}$

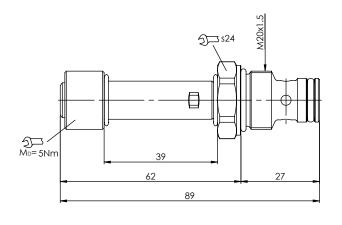




Switching times

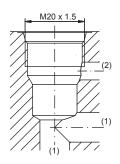
SDEPM20	Туре	Switch on	Switch off
SDEFIVIZO	ВА	approx. 20 ms	approx. 40 ms

DIMENSIONS



HYDRAULIC CONNECTION

Cavity drawing according to Wandfluh standard



Note!

For detailed cavity drawing and cavity tools see data sheet 2.13-1042

ACCESSORIES

Technical explanations	data sheet 1.0-100
Hydraulic fluids	data sheet 1.0-50
Filtration	data sheet 1.0-50
Relative duty factor	data sheet 1.1-430

ACTUATION

Actuation	Switching solenoid, wet pin push type, pressure tight
Execution	K.E33 / 13 x 39 (data sheet 1.1-160)
Connection	Connector socket EN 175301 – 803
	Connector socket AMP Junior-Timer
	Connector Deutsch DT04 – 2P

Note!

The solenoid coil is not included in the delivery!



INSTALLATION NOTES

Mounting type	Screw-in cartridge M20 x 1,5
Mounting position	Any, preferably horizontal
Tightening torque	M _p = 40-45 Nm for screw-in cartridge

STANDARDS

Protection class	EN 60 529
Contamination	ISO 4406
efficiency	

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