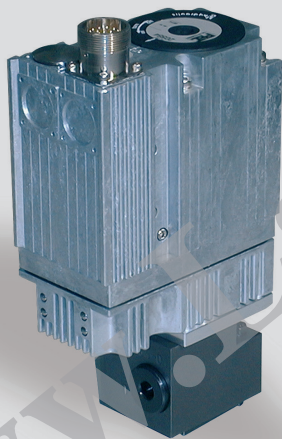


Flow Control Valve NG 6, stepper-motor controlled Technical Data Sheet



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Technical Data

General

Type	gap throttle valve
Control	stepper motor
Rotation angle	300°
Valve fastening	4x M5x50 DIN912
Port connection	mounting plate
Mounting position	any position
Ambient temperature	+5°C to +50°C
Mass valve	3 kg

Hydraulic

Operating pressure in ports A, B	max. 150 bar
Hydraulic oil temperature	-10 to +70 °C
Viscosity range	10 to 300 mm ² /s
Flow	max. 20 l/min

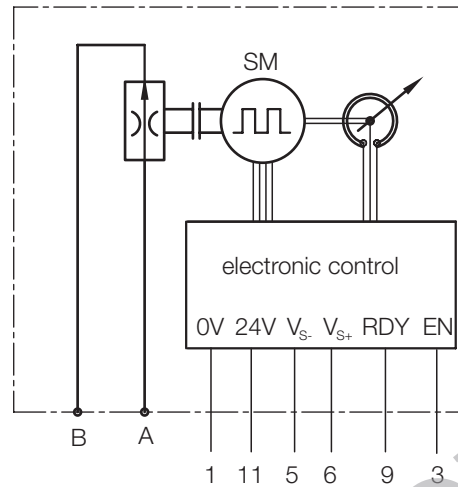
Electric

Power supply, DC	24V, DC 10%
Current consumption without break	max. 0,6 A
Current consumption with break	max 1,1A
Setpoint setting analog	0 to 10V
Setpoint setting digital (option)	up/down, CAN Bus, Profibus
control speed	approx. 200ms at 100% adjustment
Connector	Circon M23

Features

- Reproducibility even with low flow rates up to 5 cm³/min
- Nearly pressure and viscosity independently flow control
- High setting accuracy
- Resolution 0.075%
- Control range 0 to 100%
- Electric position feedback
- Integrated electronics (digital or analog control)
- Port connection according to ISO 4401
- Optional with electric break

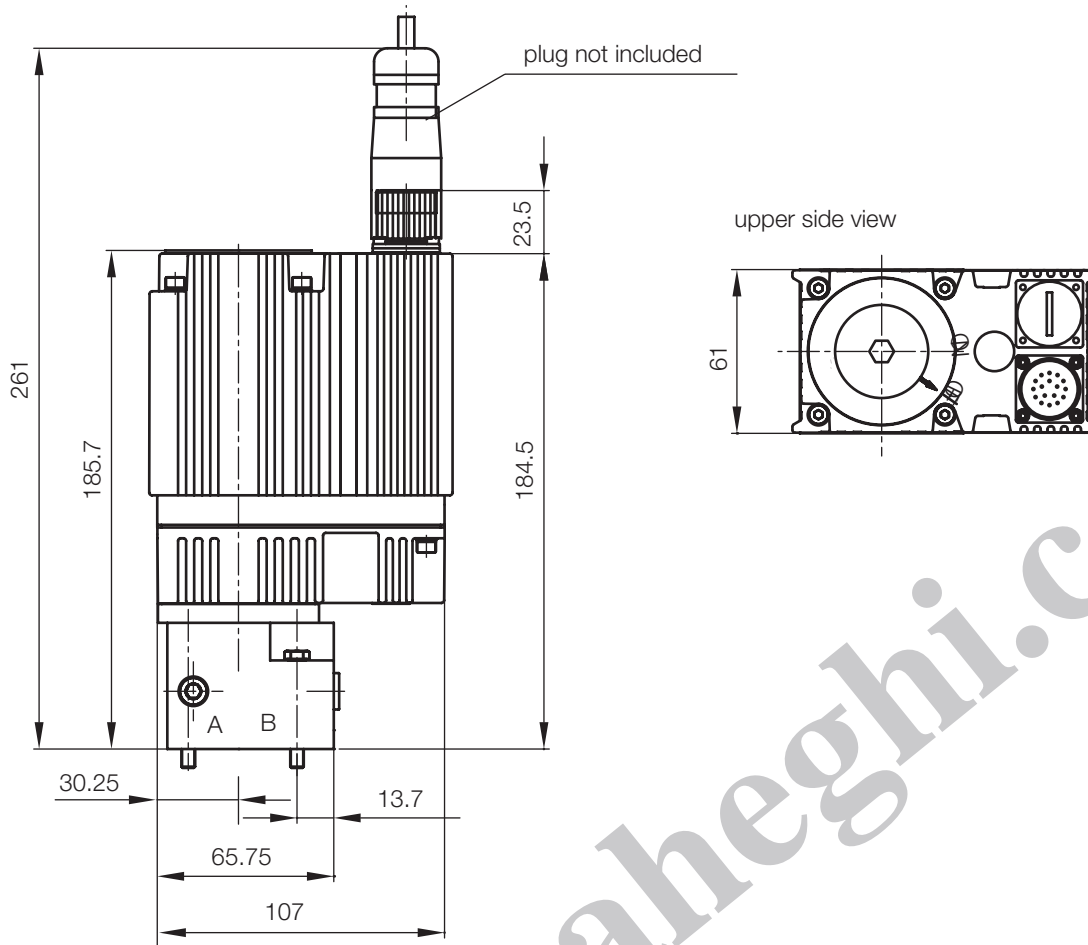
Symbol



Circular plug-in connector 17-pole

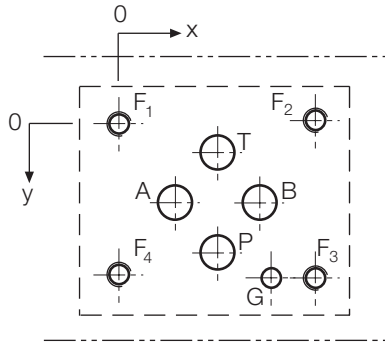
1	0 V	power supply
11	24V DC	power supply 24V/1A
5	V _{s-}	reference nominal value
6	V _{s+}	nominal value 0 to10V
9	RDY	status: ready
3	EN	release

Dimensional drawing



all dimensions in mm

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The figure shows the side of the mounting plate to which the valve is fastened.

	P	A	T	B	F1	F2	F3	F4	G
Ø max [mm]	7.5	7.5	7.5	7.5	-	-	-	-	4
x [mm]	21.5	12.7	21.5	30.2	0	40.5	40.5	0	33
y [mm]	25.9	15.5	5.1	15.5	0	-0.75	31.75	31	31.75

F: M5, thread depth min. 1.5 x Ø

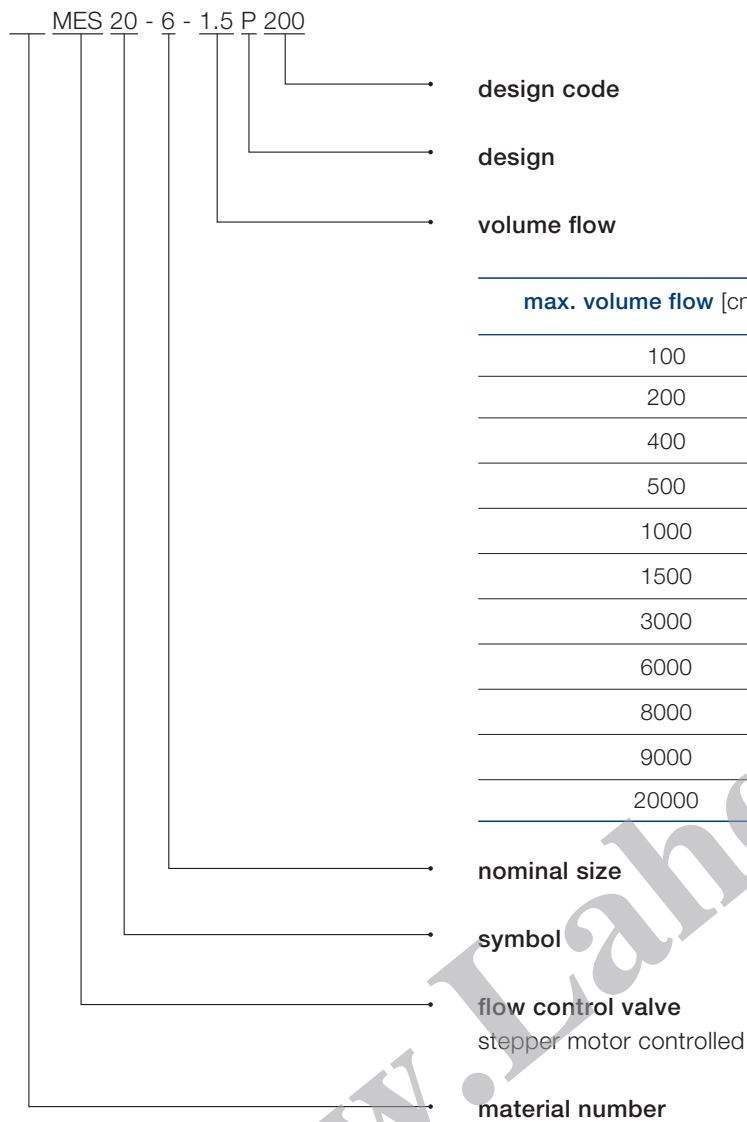
G: hole depth min. 1.5 x Ø

For connection of the flow control valve, the ports A and B are used.

Various single and multiple mounting plates are available.

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Type Code



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