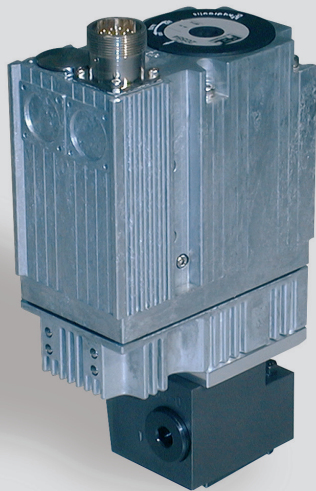


## Flow Control Valve NG 6, stepper-motor controlled Technical Data Sheet



- Reproducibility even with low flow rates up to 5 cm<sup>3</sup>/min
- Nearly pressure and viscosity independently flow control
- High setting accuracy
- Resolution 0,075%
- Control range 0 bis 100%
- Electric position feedback
- Integrated electronics (digital or analog control)
- Port connection according to ISO 4401
- Optional with electric break

## 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

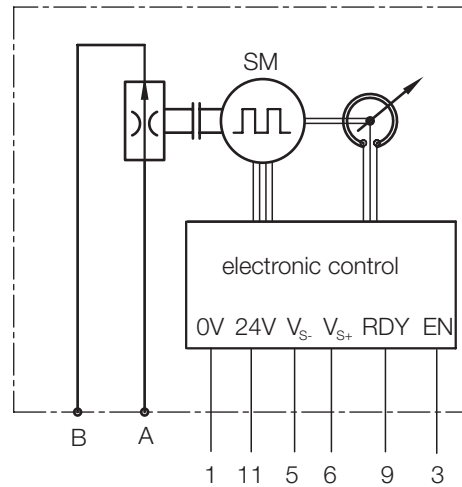
### Hydraulic

Operating pressure in ports A, B	max. 150 bar
Hydraulic oil temperature	-10 to +70 °C
Viscosity range	10 to 300 mm <sup>2</sup> /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

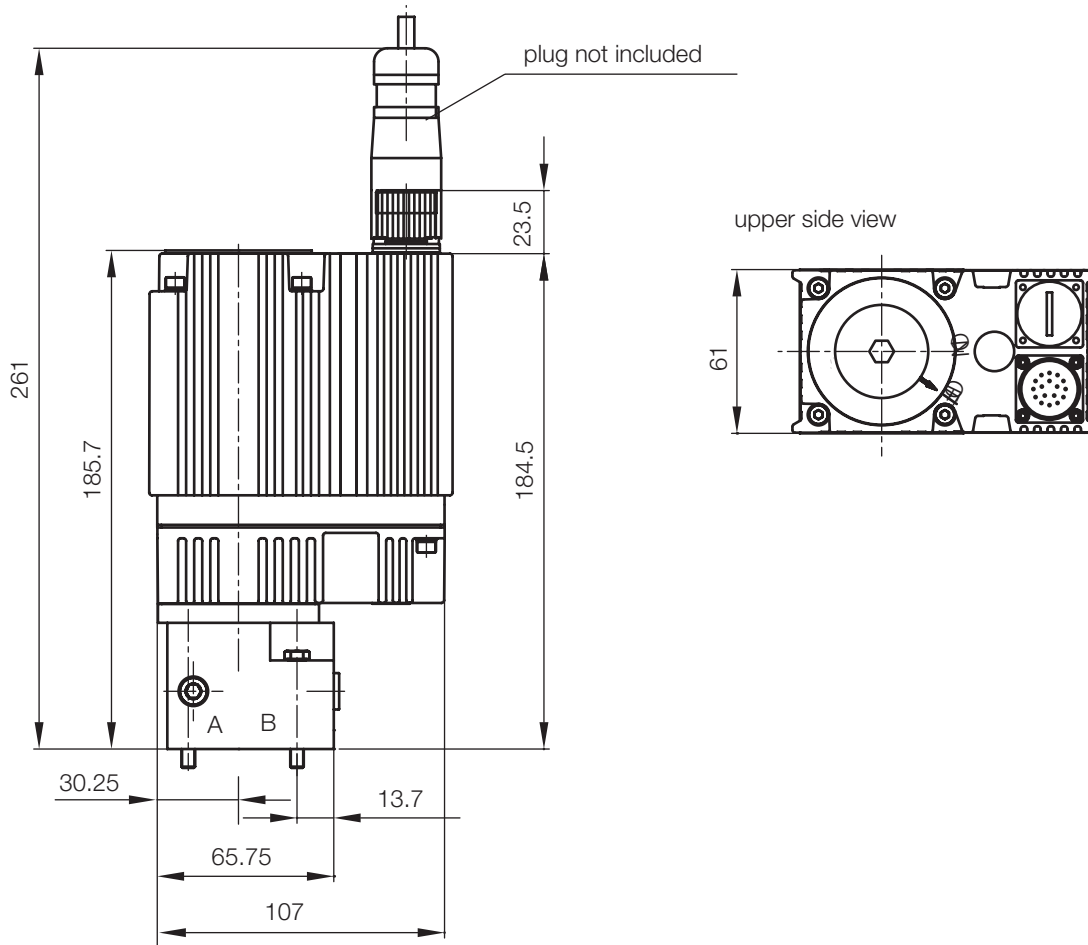
## Symbol



### Circular plug-in connector 17-pole

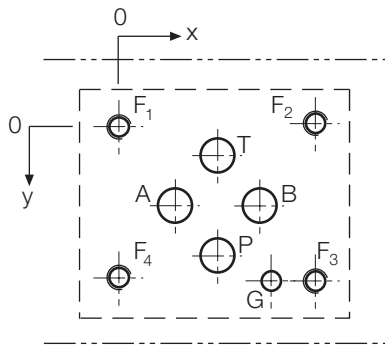
1	0 V	power supply
11	24V DC	power supply 24V/1A
5	V <sub>s-</sub>	reference nominal value
6	V <sub>s+</sub>	nominal value 0 to10V
9	RDY	status: ready
3	EN	release

Dimensional drawing



all dimensions in mm

## Port Connection Pattern NG 6 ISO 4401



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

	<b>P</b>	<b>A</b>	<b>T</b>	<b>B</b>	<b>F1</b>	<b>F2</b>	<b>F3</b>	<b>F4</b>	<b>G</b>
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

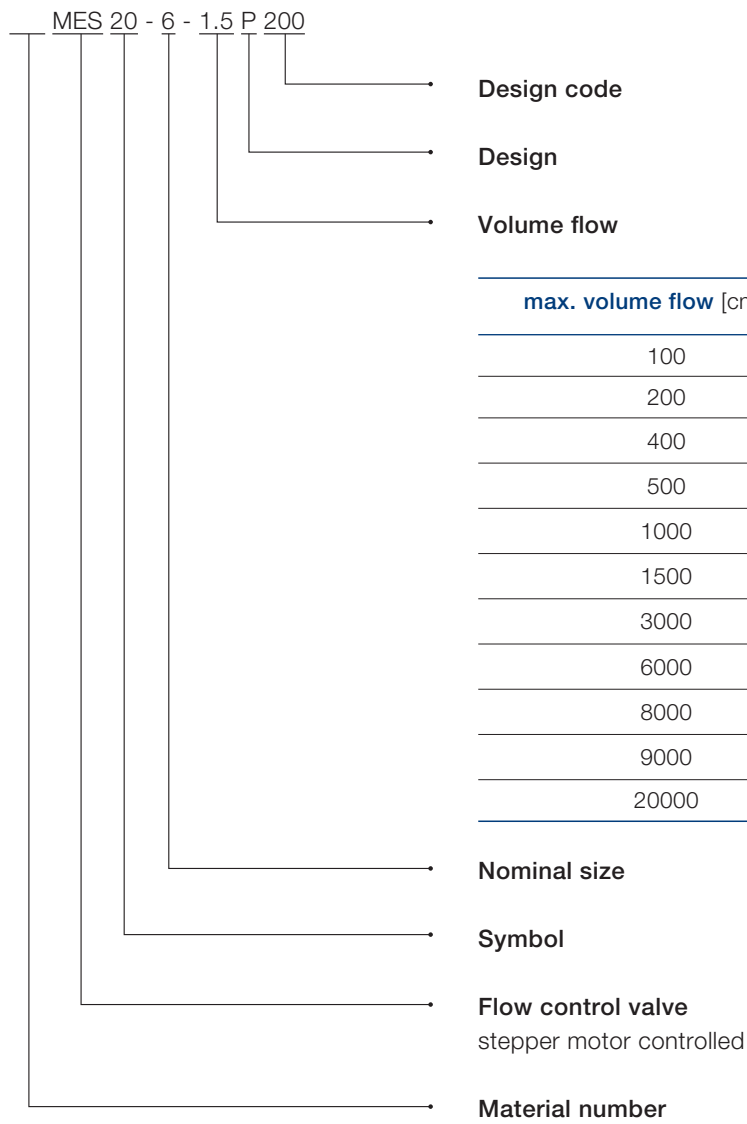
F: M5, thread depth min.  $1.5 \times \varnothing$

G: hole depth min.  $1.5 \times \varnothing$

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

Various single and multiple mounting plates are available.

## Type Code



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