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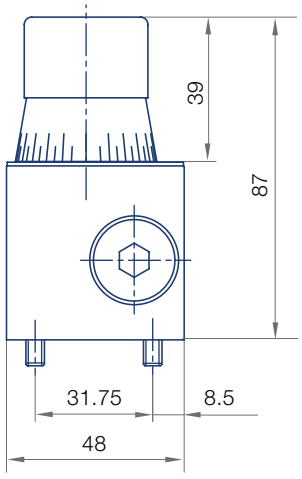
Technical data sheet
Flow control valve NG 6

Advantages

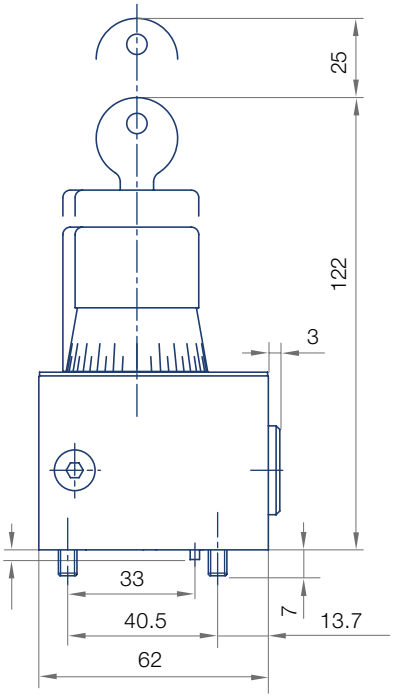
+ Flow from 10 cm^3/min
+ Reproducibility even with low flow rates
+ Fluid flow can be controlled nearly independently of pressure and viscocity
+ Controlled range of up to 3 rotations
+ Sensitive adjustment
+ Connection according to ISO 4401

Dimensional Drawing

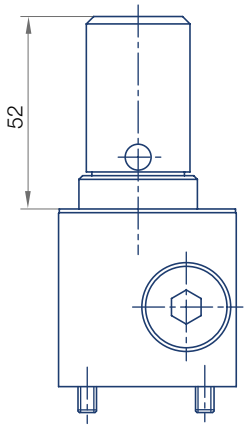
Actuation D



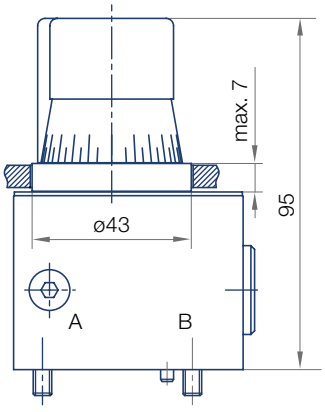
Actuation V



Actuation K und P

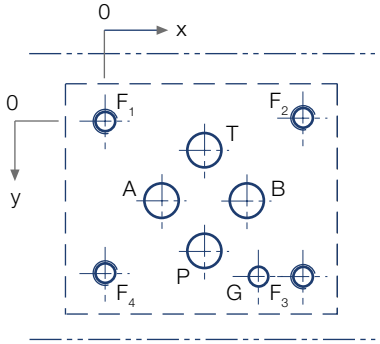


Front panel mounting



all dimensions in mm

Port Connection Pattern NG 6 ISO 4401



F: M5, thread depth min. 1.5 x Ø

G: hole depth min. 1.5 x Ø

	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

For connection of the flow control valve, the ports A and B are used.
Various single and multiple mounting plates are available.

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

Technical Data

General

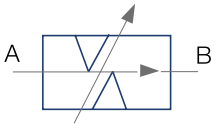
Type of valve	gap-type throttle valve
Operation	rotary knob
Angle of rotation, 1 rotation	330°
Angle of rotation, 2 rotations	690°
Angle of rotation, 3 rotations	1050°
Valve mounting	2x M5 x50 DIN912
Connection of ports	mounting plate
Mounting position	mountable in any position
Ambient temperature	-5°C to +50°C
Mass valve	1 kg

Hydraulic

Operation pressure A, B	max. 250 bar
Hydraulic oil temperature	-10 to +70 °C
Viscosity range	10 to 300 mm^2/s
Rate of flow	max. 9 l/min

Symbol

20

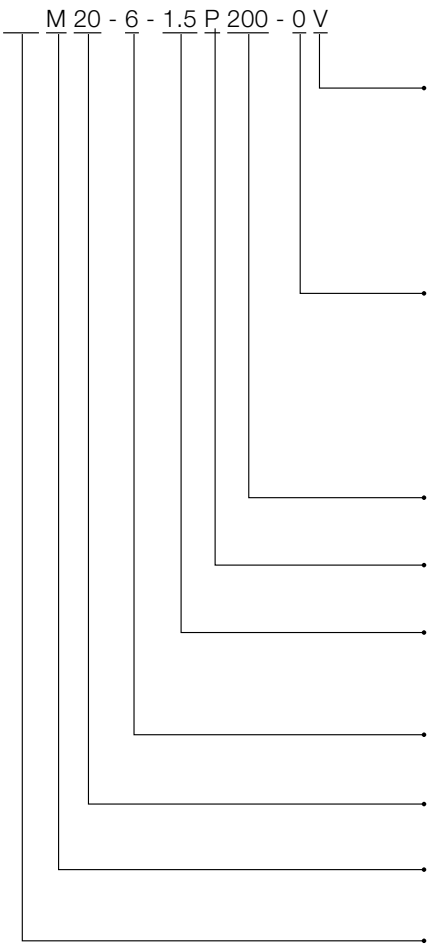


Flow range

Flow [cm^3/min]		Code	Rotation		
min	max		1 (330°)	2 (690°)	3 (1050°)
10	100	0.1	X		
10	200	0.2	X		
10	400	0.4	X		
25	500	0.5	X		
25	700	0.7	X		
50	1500	1.5	X	X	
100	3000	3.0	X		
150	6000	6.0	X	X	
20	8000	8.0		X	X
20	1200	1.2		X	X
20	3000	3.0		X	
20	6000	6.0			X
20	9000	9.0		X	

Type code

M 20 - 6 - 1.5 P 200 - 0 V



Actuation
V = rotary knob and lock type E10
D = rotary knob
K = cover , pre-set value
P = cover and lead sealed, pre-set value

Number of revolutions
0 = 1 rotation without front panel mounting
1 = 1 rotation with front panel mounting
2 = 2 rotations with front panel mounting
3 = 3 rotations with front panel mounting

Design code

Design

Flow range
for design K and P pre-set value

Nominal size

Symbol

Flow control valve

Material number

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