Flow Control Valve BG 12
Technical Data Sheet

- Flow from 10 cm³/min
- Reproducibility even with low flow rates
- Fluid flow can be controlled nearly independently of pressure and viscosity
- Sensitive adjustment
### Technical Data

**General**
- **Type of valve**: gap-type throttle valve
- **Operation**: rotary knob
- **Angle of rotation, 1 rotation**: 330°
- **Valve mounting**: thread M30x1.5
- **Connection of ports**: mounting hole
- **Mounting position**: mountable in any position
- **Ambient temperature**: -5°C to +50°C
- **Mass valve**: 0.6 kg

**Hydraulic**
- **Operation pressure A, B**: max. 150 bar
- **Hydraulic oil temperature**: -10 to +70 °C
- **Viscosity range**: 10 to 300 mm²/s
- **Rate of flow**: max. 6 l/min

### Symbol

![Symbol 20]

![Symbol 21]
Dimensional Drawing

hole ø4 for hook key

actuation D and V

actuation K and P

Mounting Hole

all Dimensions in mm
Typenschlüssel

M 20 - 12 - 1.5 E 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

Design code

Design

Flow range
for design K and P pre-set value

<table>
<thead>
<tr>
<th>Volumenstrom [cm³/min]</th>
<th>Bezeichnung</th>
</tr>
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<tbody>
<tr>
<td>min</td>
<td>max</td>
</tr>
<tr>
<td>10</td>
<td>100</td>
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<tr>
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<td>1500</td>
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<tr>
<td>100</td>
<td>3000</td>
</tr>
<tr>
<td>150</td>
<td>6000</td>
</tr>
</tbody>
</table>

Nominal size

Symbol

Flow control valve

Material number