



## GAS FLOWMETERS

series *M 200 C*

### GENERAL

M 200 C Gas flowmeters are gas flow indicators applied in a gas chlorination system to regulate the flow.

They consist of:

- base plate
- measuring tube holders
- rate valve
- glass measuring tube

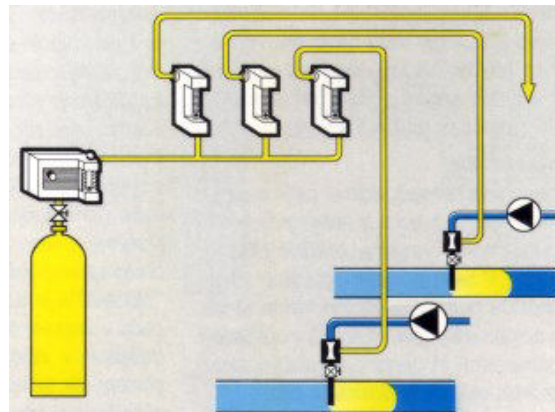
The size and type of the measuring tube varies according to the flow range and gas type.

The rate valve is designed for accurate regulation of the desired gas flow, which is read on the measuring tube.

M 200 C Gas flowmeters cover a metering range of 12g/h to 15 kg/h, model M 240 up to 40 kg/h and model M 250 up to 200 kg/h.

### OPERATION PRINCIPLE

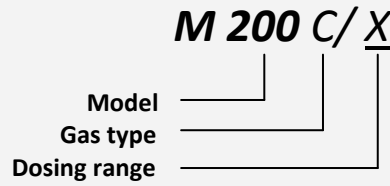
The fluid passes through the measuring tube from bottom to top and consequently needs to be installed vertically and flow direction is upwards. In the conical glass measuring tube is a free rotating float which provides self stabilization. The float indicates the flow that can be read from the scale on the measuring tube.



### Rate valves:

Rate valves are made of high quality materials.

ORDER CODES



**OPTIONS:**

- **Model: 200** for dosing range up to 15kg  
     **240** for dosing range up to 40kg  
     **250** for dosing range up to 200kg
- **Dosing range\***: is chosen from technical data table below and the suitable number is written into the ordering code
- **Gas type:** "C" - Cl<sub>2</sub>, "CO2" - CO<sub>2</sub>, "S" - SO<sub>2</sub>, "N" - NH<sub>3</sub>

TECHNICAL DATA



<p><b>Dosing range M 200: (g/h)</b></p> <p><b>1</b> up to 12  <b>2</b> up to 25  <b>3</b> up to 100  <b>4</b> up to 200  <b>5</b> up to 500  <b>6</b> up to 1000  <b>7</b> up to 2000  <b>8</b> up to 4000  <b>9</b> up to 10000  <b>15</b> up to 15000</p>	<p><b>Dosing range M 240:(kg/h)</b></p> <p><b>20</b> up to 20  <b>40</b> up to 40</p> <p><b>Dosing range M 250:(kg/h)</b></p> <p><b>60</b> up to 60  <b>80</b> up to 80  <b>120</b> up to 120  <b>160</b> up to 160  <b>200</b> up to 200</p>	<p><b>Gas types :</b></p> <p><b>C</b>=Cl<sub>2</sub>  <b>CO2</b>- CO<sub>2</sub>  <b>S</b>=SO<sub>2</sub>  <b>N</b>=NH<sub>3</sub></p> <p><b>Weight :</b></p> <p>M 200: 0,3 kg  M 200/9: 1 kg  M 240: 5,5 kg  M 250: 6 kg</p>
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**Connections**

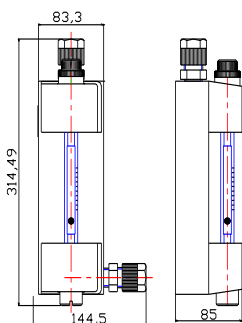
<p><b>Vacuum (up to 15m):</b></p> <p>2 kg/h – d8/d10 - 3/8"  4 kg/h – d8/d10 - 3/8"  10 kg/h – d12/d16 - 5/8"  15 kg/h – d20 - 3/4"</p>	<p>20 kg/h – d20 – 3/4"  40 kg/h – d25 – 1"  60kg/h – d50–2"  80 kg/h – d50–2"  120 kg/h – d50–2"  160 kg/h – d50–2"  200 kg/h – d50 – 2"</p>
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For larger vacuum lines, see table:  
Chlorine vacuum line size requirements

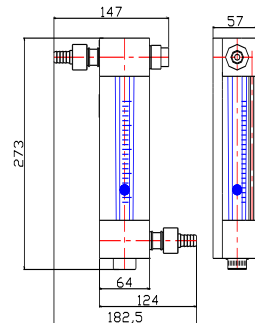
MEASURE DRAWINGS



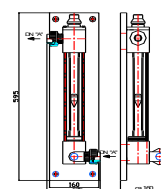
ROTAMETER M200/1-8 (up to 4g/h)



ROTAMETER M200/9 (up to 10kg/h)



ROTAMETER M240



ROTAMETER M250

