Vacuum regulators

series M 20 C

General:

Vacuum Regulators are designed for dosing gas chlorine and with minor alterations also for other gases, working on the indirect vacuum principle.
They are made of the best and most resistant materials. The springs are made of tantalum alloys, the dosing valves of technically pure silver, the casing of rubber and plastic mixture, the membranes and washers of fluorized hydrocarbons (VITON, TEFLON, EPDM), which all ensures faultless operation of these devices at high mechanical and temperature load.

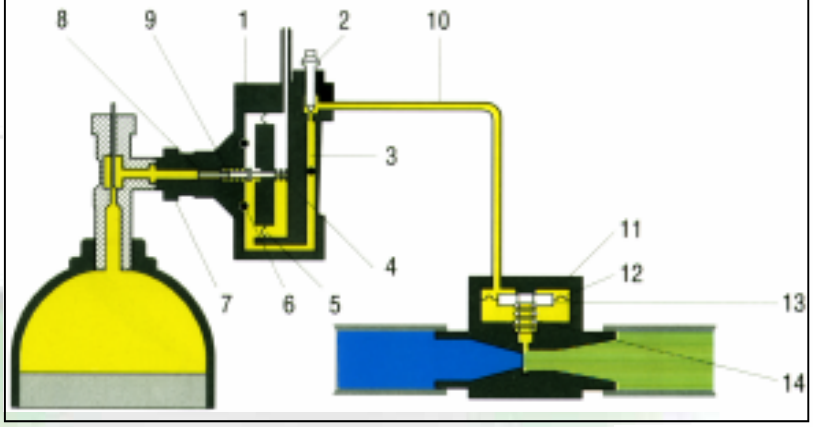
Dosing Valves:
Dosing Valves are made of technically pure silver. Acicular fabrication ensures high precision of dosing.

Operation:

Gas pressure (Cl2) builds up only at the back adapter massive part of the regulator. The inlet valve prevents gas from entering the system without control. When the ejector has generated enough vacuum to overcome the force of the non-return valve, gas chlorine travels along the vacuum line through the flow meter and the dosing valve to the ejector, where it thoroughly mixes with water.

The dosing quantity is set on the precision dosing acicular valve. The regulator casing is eqiupped with an optical indicator which signals that the chlorine cylinder is empty. As an additional order there are a pressure gauge and a switch for the electric signal to inform the user that the cylinders are empty.

1 Vacuum Regulator Casing
2 Dosing Valve
3 Flow Meter
4 Spring
5 Membrane
6 Washer
7 Adapter
8 Inlet Valve
9 Spring
10 Vacuum Line
11 Ejector Casing
12 Membrane
13 Non-return Valve
14 Spring



Order codes:

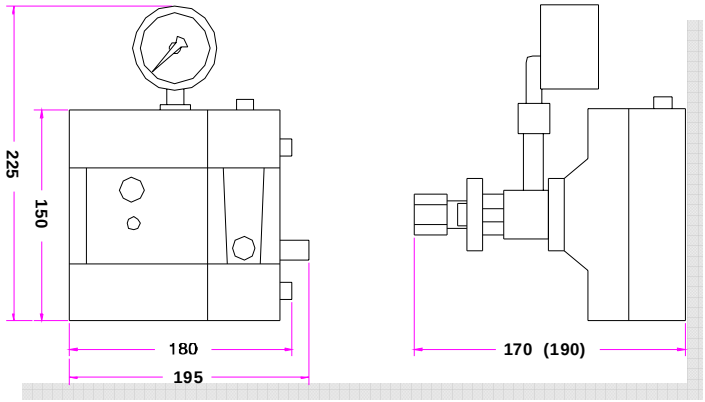
M 20 A C / V X M F

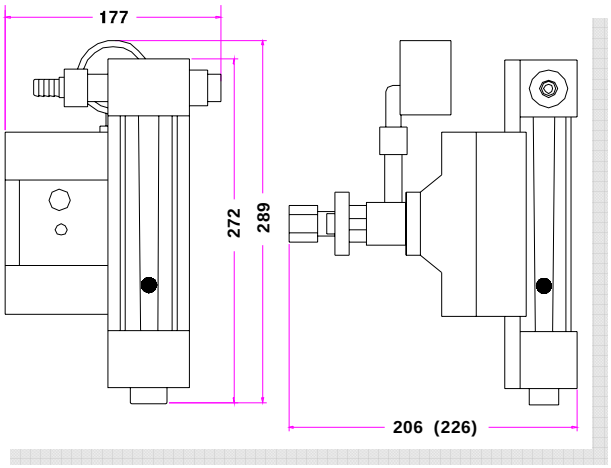
- **Model**
- **El. Alarm Signal**
- **Full/Empty (yes/no)**
- **Gas type**
- **Dosing Valve (y/n)**
- **Dosing range**
- **Pressure Gauge (y/n)**
- **Block connection Yoke**

Options:

- Alarm yes -**"A"** , without alarm the letter is not written in
- Gas type , **"C"** - Cl2, **"S"** - SO2, **"N"** - NH3
- Valve yes -**"V"** , without it the letter is not written in
- Dosing range is chosen from technical data table and the suitable number is written into the ordering code
- Pressure gauge yes -**"M"** , without it the letter is not written in
- Yoke - for block connection type the letter "**F**" is written in the code

Measure drawings:





Attention : Dimensions in brackets are dimensions of vacuum regulator equipped with pressure gauge

Technical data :

Dosing Range : (in g/h)

1	up to.....12
2	up to.....25
3	up to.....100
4	up to.....200
5	up to.....500
6	up to.....1000
7	up to.....2000
8	up to.....4000
9	up to.....10000
15	up to.....15000

Gas types :

C=Cl_2
S=SO_2
N=NH_3

Connections:

Vacuum:
1-7 (2 kg/h) – D8/10
8 (4 kg/h) – D8/10
***more than 30 m – D12/16
9 (10 kg/h) – D12/16
15 (15 kg/h) – D12/16

Connection to the Cylinder :
1" (according DIN 477)

Other connections can be made by order.

Dosing precision :
± 4% of the set value

Regulation Ratio :
1 : 20

Weight :
3.10 kg

Data is subject to change without notice.

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