Floor mounted chlorinaton system MR 520, 540 & 550 RC

- **Capacity: up to 200 kg/h**
- Corrosion resistant thanks to epoxy-glass housing
- Positive operational control by vacuum
- Additional safety thanks to vacuum non-return valve
- Precisely adjustable by integral flow meter
- High level of automation by innovative motorised control valve



GENERAL

The MR 500 RC series chlorinator system is used for accurate feed of gas chlorine, sulphor dioxide and other gases in water supplies, waste water treatment plants and industry.

The device is built up as modular design in a floor mounted fiber glass cabinet unit, easily adapted to any chlorination system. The cabinet can be used as an independent unit or can just be a part of a bigger system.



The **MR 520 RC** system:

- Dosing capacity **up to 15 kg/h**
- Gas flowmeter M 200
- Vacuum regulator M 20
- Ejector M 300
- Optionally: Differential pressure regulator DP 20, Pressure gauge and Vacuum gauge, Motor valve, hi/low vacuum switch

The **MR 540R RC** system:

- Dosing capacity **up to 40 kg/h**
- Gas flowmeter M 240
- Vacuum regulator M 40
- Ejector M 340
- Optionally: Differential pressure regulator DP 20, Pressure gauge and Vacuum gauge, Motor valve, hi/low vacuum switch

The **MR 550 RC** system:

- Dosing capacity **up to 200 kg/h**
- Gas flowmeter M 250
- Vacuum regulator M 50
- Ejector M 350
- Optionally: Differential pressure regulator DP 50, Pressure gauge and Vacuum gauge, Motor valve, hi/low vacuum switch

ORDER CODES

MR 520 R C / X M U DP M H L

- **Model**
- **Regulator**
- **Gas type**
- **Dosing range**
- **Pressure gauge**
- **Vacuum gauge**
- **D.P. Regualtor**
- **Motor valve**
- **High vacuum switch**
- **Low vacuum switch**

OPTIONS:

- **Model: 520** for dosing range up to 15kg
  540 for dosing range up to 40kg
  550 for dosing range up to 200kg
- **Gas type: "C"** - Cl2, **"S"** - SO2, **"N"** - NH3
- **Dosing range*:** is chosen from technical data table berlow and the suitable number is written into the ordering code
- **Pressure gauge:** yes **"M"**, without it, the letter is not written in
- **Vacuum gauge:** yes **"U"**, without it, the letter is not written in
- **D.P. Regulator:** yes **"DP",** without it, the letters are not written in
- **Motor valve:** yes **"M",** without it, the letters are not written in
- **High vacuum switch:** yes **"H",** without it, the letters are not written in
- **Low vacuum switch:** yes **"L",** without it, the letters are not written in

TECHNICAL DATA

Dosing range MR 520: (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

Dosing range MR 540:(kg/h)

20	up to 20
40	up to 40

Dosing range MR 550:(kg/h)

60	up to 60
80	up to 80
120	up to 120
160	up to 160
200	up to 200

Gas types:
C=Cl2
S=SO2

Accuracy:
Within 4% of flow
Operating range:
20 : 1
Weight:
32kg + 20kg + 6kg

Connections

Vacuum (up to 15m):

2 kg/h – d8/d10
4 kg/h – d8/d10
10 kg/h – d12/d16
15 kg/h – d12/d16
20 kg/h – d20 PVC Union
40 kg/h – d25 PVC Union
60 kg/h – d50 PVC Union
80 kg/h – d50 PVC Union
120 kg/h – d50 PVC Union
160 kg/h – d50 PVC Union
200 kg/h – d50 PVC Union

For larger vacuum lines, see table:
Chlorine vacuum line size requirements

Pressure:
Flange connection D3/4'' NP16
DN20 (DIN2633)
from 20 up to 200 kg

Ejector connection :
See product info for ejector M 300, M 340 and M 350.

MEASURE DRAWINGS

