

### 1.1.1 Chlorine Dioxide Unit **MWCiXD 5 – 30**

Compact chlorine dioxide unit operating according to the unpressurised chlorite/acid process.

**ClO<sub>2</sub> output: 0 – 5, max. 30 g/h (depending on the system capacity)**



#### Product description:

- Unit for the production of small and medium amounts of ClO<sub>2</sub>
- Menu-guided operation and service functions
- Works in accordance with DVGW worksheet W 224 (acid/chlorite process with dilute chemicals (hydrochloric acid (HCl 9%) and sodium chlorite (NaClO<sub>2</sub> 7.5%))
- Can easily be expanded for a multiple disinfection system
- Direct actuation via contact water meter or via 4 – 20 mA with measurement of the chlorine dioxide concentration
- Capacity: 0 – 5, max. 30 g/h ClO<sub>2</sub>
- Temperature range: +5 °C to +40 °C
- Injection valve made of PVDF
- Injection valve connection: ½", male thread
- Hose made of PVDF
- Hose length: 5 m
- Protection category: IP 54

#### Areas of application:

- Particularly suitable for drinking water disinfection in public buildings, such as hospitals, nursing homes, hotels and sports facilities etc.
- As a CIP unit for legionella prophylaxis
- For disinfection of cooling systems, ventilation and air conditioning systems, as well as for product water disinfection, or beverage and food industry applications such as bottle washers

#### Scope of supply:

- **MWCiXD 5 – 30** chlorine dioxide unit
- Injection valve made of PVDF, ½" thread, 5 m hose
- Fittings for wall mounting
- Set of warning and information signs
- Instruction manual
- Two suction lances
- Safety rules for operation in compliance with the German Statutory Accident Insurance GUV
- Training on commissioning and maintenance of the system at the manufacturer's plant in Ravensburg (excluding travel, accommodation and food)

**Additional technical data:**

 Chlorine dioxide unit **MWC:XD 5 – 100**

Model: MWC:XD 5 – 100	5	10	20	30
ClO <sub>2</sub> – capacity (g/h)	0 – 5	0 – 10	0 – 20	0 – 30
Chem. consumption under full load (ml/h)	2 x 130	2 x 260	2 x 520	2 x 780
Max. operating pressure (bar)	6			
Concentration of ClO <sub>2</sub> product (g/l)	1.9 – 2.1			
Electrical connection	100 – 240 V, 47 – 63 Hz, external RCD, via main switch protected against polarity reversal			
Protection	IP 54			
Dimensions (W x H x D in mm)	890 x 535 x 345			
Weight (kg)	Approx. 25		28	
Water connection	Hose connection 6 x 8 mm, water at system quality, connection in compliance with DVGW, if necessary with backflow preventer and prefilter			
Dosing line connection	PVDF - connection for 6 x 8 mm hose			
Relay outputs for (230 V, 3 A)	Operating signal Warning signal Alarm signal			
Inputs for proportional mode	Contact water meter with reed contact Inductive flow meter with current output 4 – 20 mA			
Inputs for limited operation	PLC or inline chlorine dioxide meter with current output 4 – 20 mA			
Inputs for voltage-free contact	Pause/standby, high dosage, pulse dosage, manual dosage, external fault, Chemical drum empty message			

**Ordering data:**

Model:	Item number:
MWC:XD 5	5688805
MWC:XD 10	5688810
MWC:XD 20	5688820
MWC:XD 30	5688830