

### 1.1.1 MWC Chlorine Dioxide Unit DXT DP

Compact, wall-mounted Chlorine Dioxide Unit with flow meter in the bypass line for safe dosing. ClO<sub>2</sub> capacity: 35 ... 1,500 g/h (depending on design).

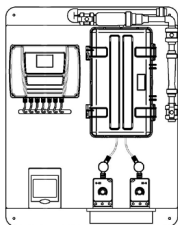
#### Product description:



- Unit for the production of medium amounts of ClO<sub>2</sub>
- Menu-guided operation and service functions
- Unambiguous warnings through additional LEDs
- Direct control by contact water meter, inductive flow meter or online chlorine dioxide measurement
- Unit is ready for installation and tested in accordance with 2006/42/EC, EN 12100, EN 60204-1, 2006/95/EC, 2004/108/EC, DVS 2212
- Acid/chlorite method with diluted chemicals (hydrochloric acid (HCl 9%) and sodium chlorite (NaClO<sub>2</sub> 7.5%))
- The chlorine dioxide that has been produced is either dosed – controlled by volume or by measured value – directly to the water system, or conveyed to a buffer tank
- Capacity: 5 ... 1,500 g/h ClO<sub>2</sub>
- Temperature range: +5 °C ... +40 °C
- Injection valve made of PVDF
- Injection valve connection: ½"
- Hose made of PVDF
- Hose connection: 6 x 8 mm
- Hose length: 5 m
- Power supply: 230 V AC / 50 Hz, (optional 110 V AC or 12 V DC)
- Reliable restart upon power failure
- Protection category: IP 54

#### Areas of application:

- Especially suitable for public drinking water applications, e. g. in hospitals, retirement homes, hotels or sports facilities
- 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 delivery:

- Mixing and reaction tank
- Reactor with inspection window and gas evacuation via an active carbon filter
- Solenoid-driven diaphragm metering pump
- Pressure sustaining valve
- Injection valve ½", PVDF
- Hose 5 m, PVDF (connection 6 x 8 mm)
- Monitoring device for the dosing pumps
- Wall bracket, PP

**Ordering data:**
**Chlorine dioxide unit MWC DXT DP**

| Type: DP   | Capacity: g/h (ClO <sub>2</sub> ) | Max. pressure: bar | Chem. consump. l | Power consumption: W/h | Part number: |
|------------|-----------------------------------|--------------------|------------------|------------------------|--------------|
| DXT DP 30  | 5 35                              | 10                 | 0.9              | 70                     | 5237400      |
| DXT DP 60  | 7 60                              | 10                 | 1.5              | 70                     | 5237401      |
| DXT DP 120 | 15 120                            | 8                  | 3.6              | 90                     | 5237402      |
| DXT DP 350 | 20 350                            | 8                  | 8.8              | 110                    | 5237403      |
| DXT DP 600 | 36 640                            | 7                  | 16.0             | 130                    | 5237404      |
| DXT DP     | 72 1014                           | 4                  | 25.2             | 150                    | 5237405      |
| DXT DP     | 110 1500                          | 4                  | 39.0             | 180                    | 5237406      |

**Additional technical data:**

| Type: DP    | Dimension/water connection: | Controller modes:  | Dimensions: W x H x D mm | Installation site: | Weight: kg        |  |    |
|-------------|-----------------------------|--|--------------------------|--------------------|-------------------|--|----|
| DXT DP 30   | PVC DN20 / DA25             | - manual<br>- volume controlled<br>- controlled by measured value<br>- controlled by volume and by measured ClO <sub>2</sub> value | 750 x 1000 x 300         | ventilated room    | 54                |  |    |
| DXT DP 60   |                             |  |                          |                    |                   |  |    |
| DXT DP 120  |                             |  |                          |                    |                   |  |    |
| DXT DP 350  | PVC DN25 / DA32             |  |                          |                    | 900 x 1350 x 300  |  | 56 |
| DXT DP 600  |                             |  |                          |                    |                   |  |    |
| DXT DP 1000 |                             |  |                          |                    | 1000 x 1700 x 450 |  |    |
| DXT DP 1500 |                             |  |                          |                    |                   |  |    |

**Options:**

| Type: Chlorine Dioxide Units DXT DP   | Part number: |
|---|--------------|
| Calibration cylinder CA 1 for DXT DP 30, 60, 120                            | 8937000      |
| Calibration cylinder CA 2 for DXT DP 350, 600, 1000, 1500                   | 8937010      |
| Remote monitoring and control via GSM                                       | on request   |
| Semi-automatic calibration with graduated cylinder                          |              |
| Alarm output and remote control via GSM                                     |              |
| Power supply 110 V AC, 50/60 Hz   |              |
| Power supply 12 V DC, 50 Hz (safety extra-low voltage, enclosure class III) |              |