

1.1.1.

DOSADes Chlorine dioxide unit DOSA*iXD* 5T – 30T

Compact chlorine dioxide unit operating according to the unpressurised chlorite/acid process. ClO₂ output: 0–5, max. 30 g/h (depending on the system capacity). Can easily be expanded for a multiple disinfection system.



Product description:

- Unit for the production of small and medium amounts of ClO₂
- Menu-guided operation and service functions (touch screen)
- Works in accordance with DVGW worksheet W 224 (acid/chlorite process with dilute chemicals (hydrochloric acid (HCl 9%) and sodium chlorite (NaClO₂ 7.5%))
- Inputs:
 - direct actuation via contact water meter
 - 2 amperometric sensors with 4–20 mA signal (for the measurement of the chlorine dioxide, chlorite concentration), optional
- Outputs:
 - operating message
 - warning
 - alarm output as potential-free contact
- Capacity: 0–5, max. 30 g/h ClO₂
- 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 (* bottle washer).
- For disinfection of cooling systems, ventilation and air conditioning systems, as well as for product water disinfection, or beverage and food industry ...

Scope of supply:

- **DOSA*iXD* 5T – 30T** Chlorine dioxide unit (preassembled)
- with internal magnetic diaphragm pump for dosing
- Injection valve made of PVDF, ½" thread, 5 m hose made of PVDF
- Fittings for wall mounting
- Instruction manual, Set of warning and information signs
- Two suction lances
- Statutory Accident Insurance GUV
- Training on commissioning and maintenance of the system at the manufacturer's plant in Ravensburg (excluding travel, accommodation and food), with a **DOSATRONIC**[®] certificate for completion of the training course

Ordering data:

Type:	Item number:
DOSA<i>iXD</i> 5T	5688405
DOSA<i>iXD</i> 10T	5688410
DOSA<i>iXD</i> 20T	5688420
DOSA<i>iXD</i> 30T	5688430

Additional technical data:

Type:	DOSA <i>iXD</i> 5T	DOSA <i>iXD</i> 10T	DOSA <i>iXD</i> 20T	DOSA <i>iXD</i> 30T
ClO ₂ – 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 ₂ product (g/l)	1 – 3			
Electrical connection	230 V, 50 – 60 Hz, external RCD, via main switch protected against polarity reversal			
Protection	IP 54			
Dimensions (W x H x D in mm)	880 x 520 x 350			
Weight (kg)	approx. 41	approx. 42	approx. 44	
Water connection	Hose connection 6 x 8 mm, water at system quality, connection in compliance with DVGW, if necessary with back-flow preventer and prefilter			
Dosing line connection	PVDF - connection for 6 x 8 mm hose			
Relay outputs for (250 V, 8 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			

Accessories:

Type:	Item number:
DOSAControl Photometer (chlorine dioxide)	89231060
DOSASens AS2MA1 -CD-M12 (0 – 1) ppm	3326840
DOSASens AS2MA2 -CD-M12 (0 – 2) ppm	3326841
DOSASens AS2MA5 -CD-M12 (0 – 5) ppm	3326842
DOSASens MST1MA2 -M12 (0 – 2) ppm	3326441
DOSASens Flow cell DF01 , for 1 amperometric sensor	3488210
DOSATec Safety bunds 40 l, others on request (chemistry)	4191101
DOSATec Impeller flow meter KWKT/KWHT	43113132