

The Compact

Chlorine dioxide system EASYZON® 5

The compact solution

In water treatment, chlorine dioxide is known as an effective oxidant and is used, among other applications, for combating Legionella.

Chlorine dioxide is characterized by a high disinfecting effect – it is effective even at high pH values that render chlorination ineffective. The odor threshold is higher than that of chlorine, and chlorine dioxide features a higher lifetime in tap water, which makes it more appropriate for widely ramified pipeline systems.

EASYZON 5 provides a compact system for the on-site production of chlorine dioxide, characterized by a high degree of product stability. The concentrated stock solution is prepared in the application and still effective after a storage time of 24 hr.

Dosing Disinfectant Properly

The system operates according to the acid-chlorite process in batch mode and uses commercial concentrations of hydrochloric acid and sodium chlorite. Optimum reaction conditions are ensured by level monitors and an agitator in the reactor.

Peristaltic pumps ensure reliable delivery of the chemicals and the control unit monitors each system for fulfilling its task. If required, it also control the room air with a ClO_2 gas sensor.

Optimized reaction control ensures the production of a highly stable chlorine dioxide solution. It will still meet the requirements of DIN EN 12671.

Accessories

- Additional dosing console for chlorine dioxide solution
- Photometer for the water parameters
- Protective equipment kit
- Ambient air sensor
- Collecting pans
- Leakage sensors
- Injection nozzles
- ... and much more



Functions

- High product stability
- Compact, pre-assembled unit
- Integrated monitoring of all the functions
- Full availability
- Supply of multiple injection points from one system

Scope of Delivery

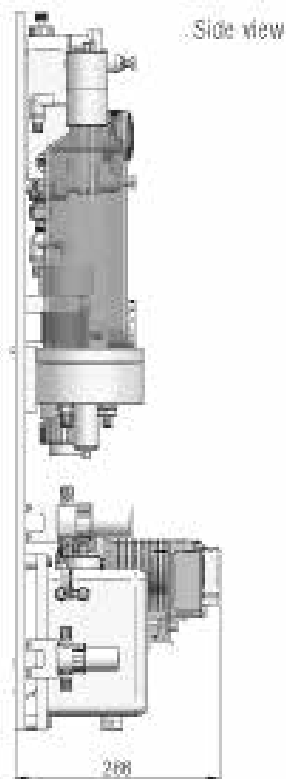
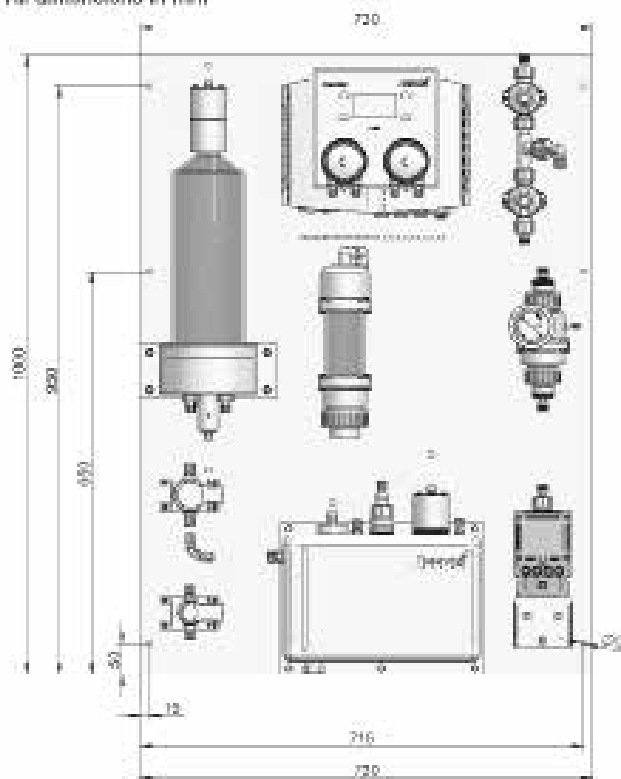
EASYZON 5 is installed on a wall plate with the following assemblies:

- Control unit with peristaltic pumps
- Reactor
- Solenoid valves
- Product tank
- Activated carbon cartridge
- Dosing pump for chlorine dioxide solution
- Back-pressure and pressure relief valves
- Pulsation dampener

The standard scope of delivery includes 2 suction pipes (25 inches, including connection hose) for extracting chemicals from the commercial containers.

Dimensions

All dimensions in mm



Technical Specifications

Item	Description
Productive capacity	5 g ClO ₂ /hr
Product concentration	2 g ClO ₂ /l
Dimensions (W x H x D)	29 x 40 x 11 inches
Weight with filled tank	approx. 70 lbs
Operating voltage	230 V 50/60 Hz
Protection class	IP 65
Power consumption	max. 100 W
Alarm relay (change-over contact)	max. 230 V/ 3 A
Operating temperature	50 – 104 °F
Useful volume of the product tank	1.5 gallons
Lifetime of the ClO ₂ solution at a storage temperature of 15 °C	> 24 hours
Chemicals used Hydrochloric acid Sodium chlorite	9 % according EN 939 7.5 % according EN 938
Diluting water in drinking water quality	max. 5 l/hr 14 - 72 psig
ClO ₂ dosing pump	MAGDOS DX 4
Dosing pressure	up to 145 psig
Control of the dosing pump	pulse frequency