

The compact one

Chlorine dioxide system EASYZON[®] 5



The compact solution

Chlorine dioxide is widely accepted as an effective oxidant in water treatment and is used for a range of purposes including the prevention of Legionella.

Chlorine dioxide has a high disinfectant effect. It is even effective with high pH values which would render chlorination ineffective. The odour threshold of chlorine dioxide is higher than that of chlorine and it has a longer usage life in tap water. Chlorine dioxide is thus much better suited for use in complicated piping.

EASYZON[®] 5 is a compact system for local and highly stable production of chlorine dioxide. The concentrated basis solution is generated locally and is still effective after a storage time of 24h.

The correct dosage of disinfection

The system works in batch mode in accordance with the acid-chlorite procedure and uses conventional concentrations of hydrochloric acid and sodium chlorite. Optimal reaction conditions are ensured via the filling level control and the agitator in the reactor.

Peristaltic pumps ensure reliable conveyance of the chemicals. Every process step is monitored by the control. If necessary, this also monitors the ambient air using an optional ClO₂ ambient air sensor.

An optimised reaction procedure enables the production of a very stable chlorine dioxide solution which corresponds to the requirements of DIN EN 12671.

Functions

- High product stability
- Compact, pre-assembled unit
- Integrated monitoring of all functions
- Supply of multiple injection points from one system possible
- Production process (only on-site)
- Long-term stable disinfectant
- disinfection also effective with a high pH value

Scope of delivery

EASYZON[®] 5 consisting of the following components:

- Control system with integrated hose pumps
- Suction lines (630 mm, including connection hose)
- Reactor with level sensor
- Solenoid valve
- Agitator
- Product tank with safety switch, suction line and level sensor
- Activated carbon cartridge
- Dosing pump
- Pulsation dampener
- Back-pressure / pressure-relief valve

Technical data

EASYZON® 5			
Production capacity ClO ₂	g/h	5	
Product concentration ClO ₂	g/l	2	
Weight with filled tank	kg	32 approx.	
Operating voltage		230 V 50/60 Hz	
Protection class		IP65	
Power consumption	W	max. 100 W	
Alarm relay (two-way contact)		max. 230 V / 3 A	
operating temperature	°C	10 – 40	
Utilisable volume of the product tank	ml	5700	
Service life of the ClO ₂ solution at 15 °C		> 24 hours	
Chemicals used	Hydrochloric acid	9 % in accordance with EN 939	
	Sodium chlorite	7.5 % in accordance with EN 938	
Dilution water in drinking water quality		max. 2.5 l/h 1 – 5 bar	

EASYZON® is a system for the "in situ" production of the biocidal active agent "chlorine dioxide": In accordance with the biocide ordinance, as of 01/09/2015, the member states of the European Union may only use precursors for biocidal active agents produced "in situ" and which are used as disinfectants. These precursors must satisfy the quality requirements made of these substances by DIN EN and be sourced from a manufacturer or supplier listed in accordance with article 95 of the biocide ordinance. Please ask your supplier to confirm conformity with the biocide ordinance (certificate).

Biocidal active agent:

Chlorine dioxide: EC-Nr. 233-162-8;
CAS-Nr. 10049-04-4; DIN EN 12671

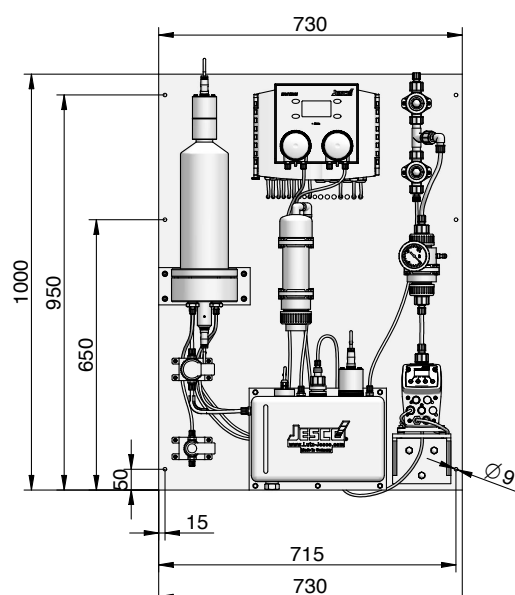
Precursors:

Hydrochloric acid (9.0 %): EC Nr. 231-595-7;
CAS-Nr. 7647-01-0; DIN EN: 939

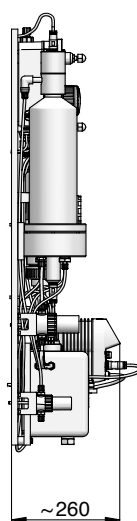
sodium chlorite (7.5 %): EC-Nr. 231-836-6;
CAS-Nr. 7758-19-2; DIN EN 938

Dimensions

All dimensions in mm



Side view



Accessories

- Additional dosing console for chlorine dioxide solution
- Photometer for water parameters
- Protective Equipment Kit
- ambient air sensor
- Catch basins
- Leakage sensors
- Injection nozzles
- ... and much more