EASYZON L/M/H

Chlorine dioxide systems 5 – 2000 g/h

Pressureless and safe generation of chlorine dioxide

Innovation

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. This makes chlorine dioxide much more suitable for extensive pipeline systems.
The EASYZON L/M/H automatically draws and mixes precisely measured quantities of acid and chlorite from the respective chemical containers under vacuum. The chlorine dioxide solution produced is released into a product storage tank as a diluted solution under atmospheric pressure using a precisely controlled flow of cold water.
The 5 – 60 g/h systems already have an integrated 8 litre product tank. Level sensors ensure that fresh chlorine dioxide is replenished automatically.
The EASYZON L/M/H offers you on-site production of chlorine dioxide in a compact system that is reliable in function and easy to operate.

Advantages

- Safe handling of chemicals that are extracted from containers under vacuum
- The vacuum process for extracting the source chemicals enables suction over longer distances than with conventional dosing pump suction lines
- Precise control of chemical volume flows using flow meters to optimise efficiency
- Volume measurement of the dilution water enables the product concentration to be adjusted between 250 and 2000 mg/l ClO_2
- The EASYZON 5 – 60 L is equipped for the connection of up to 3 dosing pumps
- Integrated touchscreen control
- Select from a wide range of menu languages
- Intuitive and simple operation
- Visualisation of the system in the display
- Forwarding of alarm messages via digital contact or Modbus TCP/IP (optional RTU)
- Password-protected user levels
- Log with recording
- Precise measurement and data storage of chemical consumption
- Telemetry access (optional) via mobile SMS for monitoring and alerting when chemical containers are empty
- Low costs over the entire service life

safety is our concern

Technical data

EASYZON®		5 L	10 L	20 L	40 L	60 L
Production capacity						
ClO_2 capacity	g/h	5	10	20	40	60
	kg/day	0.12	0.24	0.48	0.96	1.44
ClO_2 solution	l/h	9.9		13.3	26.6	40
ClO_2 concentration	mg/l	500	1000	1500		
ClO_2 tank	l	8				
Consumption per chemical	ml/h	125	250	500	1000	1500
Operating water (drinking water quality)						
Nominal water consumption	l/h	9.7	9.4	12.3	24 – 26	37
Inlet water pressure	bar	1 – 1.5				
Ambient conditions						
Protection class		IP65 (indoor use)				
Ambient temperature	°C	5 – 40				
Air humidity	%	max. 90 (non-condensing)				
Electrical specifications						
Power supply	V AC	110 – 230				
Voltage frequency	Hz	50 – 60				
Rated output	W	60 (without auxiliary equipment)				
Connections						
Cold water dilution		for hose Ø8 mm outside				
Chemical precursors		Ø4x6 mm hose clamp connection				
Suction line for ClO_2 dosing pumps		Ø6x12 mm hose clamp connection				
Other data						
Weight	kg	23				

Biocide Ordinance

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 no. 233-162-8; CAS-No. 10049-04-4; DIN EN 12671

Precursors:

Hydrochloric acid (9.0 %): EC No. 231-595-7; CAS-No. 7647-01-0; DIN EN: 939

Sodium chlorite (7.5 %): EC no. 231-836-6; CAS-No. 7758-19-2; DIN EN 938

Technical data

EASYZON®			125 L	125 M	125 H	250 L	250 M	250 H	500 M	500 H	1000 H	2000 H
Production capacity												
ClO_2 capacity		g/h	125			250			500		1000	2000
		kg/day	3			6			12		24	48
ClO_2 solution		l/h	62.5			125			250		500	1000
ClO_2 concentration		mg/l	2000									
ClO_2 tank		l	200 (skid systems only)									
Operating water (drinking water quality)												
Inlet water consumption		l/h	56	60	61	112	120	122	240		480	960
Inlet water pressure		bar	2 – 3									
Inlet water temperature		°C	5 – 30									
Ambient conditions												
Protection class			IP65 (indoor use)									
Ambient temperature		°C	5 – 40									
Relative humidity		%	90 (non-condensing)									
Electrical specifications												
Power supply		V	110 – 230									
Voltage frequency		Hz	50 – 60									
Rated output		W	60 (without auxiliary equipment)									
Connections												
Water inlet			DN15 / G1" / cemented connection Ø20									
Water inlet pressure regulating valve			R½" / G¾"									
Product outlet			DN15 / G1" / cemented connection Ø20									
Reagent inlet			Ø4x6 mm									
Other data												
Weight	Modular	kg	32									
	Skid	kg	85									

Application areas

- Combating Legionella in water systems
- CIP disinfection in the food and beverage industry
- Biocide treatment of cooling towers
- Food treatment to extend shelf life
- Disinfection of municipal drinking water
- Secondary disinfection in public buildings
- Commercial swimming pool filter hygiene
- Odour containment in waste processes

WANT TO LEARN MORE?

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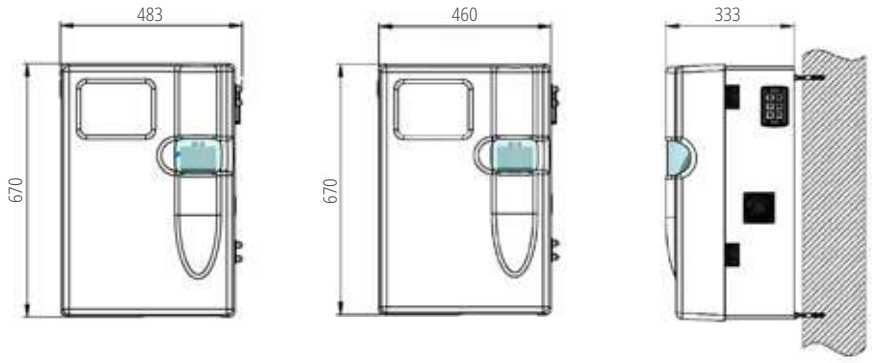
Dimensions

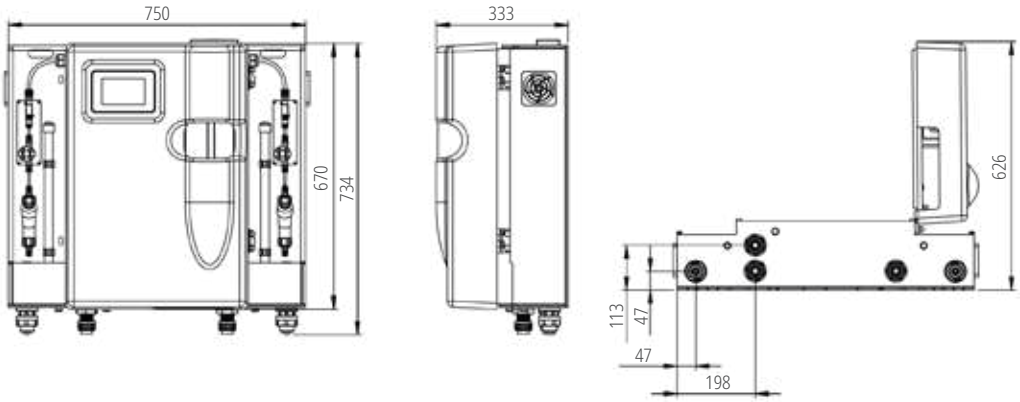
EASYZON 5 – 60

All dimensions in mm



EASYZON 125 – 2000 Modular

All dimensions in mm



EASYZON 125 – 2000 Skid

All dimensions in mm