

# The right dose of disinfection

EASYZON - Disinfection with chlorine dioxide



# EASYZON

A quick end for bacteria - long-life technology for you.

## The EASYZON® process for producing chlorine dioxide

Chlorine dioxide is an unstable gas which is not permitted for transport. Consequently it is produced as a watery solution on a need dependent basis in on-site systems developed especially for this purpose. The EASYZON process produces chlorine dioxide relatively economically from hydrochloric acid and sodium chlorite in commercially approved concentrations. The chlorine dioxide solution is added when necessary to the flow of water where its outstanding disinfecting properties come into effect even at low concentrations.



## The right dose of disinfection with EASYZON®

In the search for an effective, proven and recognised process for disinfecting water, it will quickly become apparent that disinfecting with chlorine dioxide meets all the necessary criteria.

It is not only relatively odour-free and tasteless, it also has clear advantages in contrast with other conventional disinfecting agents:

- No chlorinated by-products are produced.
- Chlorine dioxide is much more stable than chlorine and therefore has a higher disinfecting capacity.
- The disinfecting effect is not diminished in water with a pH of 4-10.
- Chlorine dioxide reliably kills legionella in water and the biofilm is sustainably impaired.
- Chlorine dioxide has very good bactericidal, sporicidal, virucidal and algicidal properties.
- The disinfecting effect is, for example, more powerful than with chlorine.

## EASYZON system types for virtually all water treatment applications

- Legionella prevention
- Treatment of drinking water and wastewater
- Food and drinks industry
- Agriculture (fruit, vegetables, livestock, etc.)
- Industrial water





## Product overview of the EASYZON® chlorine dioxide systems



**EASYZON 5 - chlorine dioxide produced from diluted solutions**

Type	Max. dosing quantity g ClO <sub>2</sub> /h	Product concentration g ClO <sub>2</sub> /l	Max. water vol. m <sup>3</sup> /h	Max. operating pressure bar	Dimensions (W x H x D) mm
EASYZON 5	5	2	25	10	490 x 900 x 286



**EASYZON D - chlorine dioxide produced from diluted solutions**

Type	Max. dosing quantity g ClO <sub>2</sub> /h	Product concentration g ClO <sub>2</sub> /l	Max. water vol. m <sup>3</sup> /h	Max. operating pressure bar	Dimensions (W x H x D) mm
EASYZON 35 D	48	20; (< 2 n.V.)*	240	12	750 x 1000 x 340
EASYZON 60 D	99	20; (< 2 n.V.)*	495	12	750 x 1000 x 340
EASYZON 130 D	130	20; (< 2 n.V.)*	650	12	750 x 1000 x 340
EASYZON 300 D	316	20; (< 2 n.V.)*	1580	8	900 x 1350 x 420
EASYZON 800 D	800	20; (< 2 n.V.)*	4000	10	900 x 1350 x 420
EASYZON 1400 D	1440	20; (< 2 n.V.)*	7200	4	900 x 1350 x 420



**EASYZON C - chlorine dioxide produced from concentrated solutions**

Type	Max. dosing quantity g ClO <sub>2</sub> /h	Product concentration g ClO <sub>2</sub> /l	Max. water vol. m <sup>3</sup> /h	Max. operating pressure bar	Dimensions (W x H x D) mm
EASYZON 250 C	250	20; (< 2 n.V.)*	1250	10	1000 x 1500 x 300
EASYZON 450 C	450	20; (< 2 n.V.)*	2250	10	1000 x 1500 x 300
EASYZON 1200 C	1200	20; (< 2 n.V.)*	6000	6	1150 x 1700 x 350
EASYZON 2500 C	2500	20; (< 2 n.V.)*	12500	6	1150 x 2100 x 370
EASYZON 6000 C	6000	20; (< 2 n.V.)*	30000	3	1250 x 2300 x 400
EASYZON 7200 C	7240	20; (< 2 n.V.)*	36200	3	1250 x 2500 x 500

\*after dilution

EASYZON D and C are also available as batch systems. Just get in touch and we will be happy to advise you.



# EASYZON® accessories

## Complete solutions - to upgrade your system.

### Water sampling stations

Our water sampling stations and control units offer you all the advantages of state-of-the-art measuring and control technology to determine chlorine dioxide concentrations.

### TopView

TopView computer software is used to control networked systems via a PC, which means you can remotely monitor and adjust the control unit. It also generates a central log of the measured values. TopView is tailored entirely to your wishes as the program can be used for different stages of system development.

### Sensors

Lutz-Jesco sensors are characterised by high quality, a robust build and good price-performance ratio. Intensive research and many years of practical experience mean we have the skills to successfully deal with the measurement tasks you set us. Lutz-Jesco offers numerous sensors.

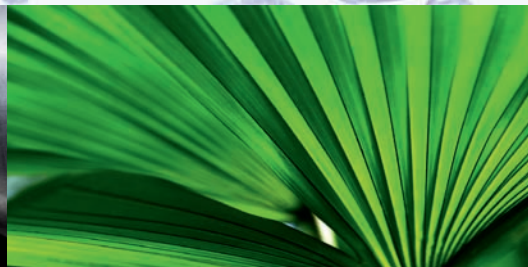
## Systematically achieving success

Turn your EASYZON into an efficient system. We offer a comprehensive, integrated range of accessories.

If you have any particular wishes that fall outside of our standard range: We'll find the right solution for you.

We offer the following accessories as standard:

- Collecting reservoirs
- Warning notices (in German or English)
- Protective clothing, protective equipment
- Injection ports
- Pressure reducing valves for the water supply
- „AquaStop“ solenoid valve for the incoming water line ½“
- Measuring instruments (comparator system)
- Gas warning central unit with transducer for ClO<sub>2</sub> in indoor air
- Contact water meter (default: 1 impulse/ ≤10 l)
- Manual photometer for chlorine dioxide





## Chlorine dioxide systems from Lutz-Jesco come with decisive benefits

- Compact design
- Convenient, easy operation with the latest control electronics
- Preassembled unit for immediate use
- Integrated self-monitoring of all functions
- Comprehensive accessories from one source

## The right solution for any job

The requirements on chlorine dioxide systems are as varied as the ways in which they are used, which is why Lutz-Jesco has the right EASYZON for numerous types of application. We'll find the right solution for you as well.

### EASYZON 5

It supplies up to 5 g chlorine dioxide/h; this is the right choice for producing and dosing chlorine dioxide for water volumes of up to a maximum 25 m<sup>3</sup>/h. This means, for example, that it is particularly well suited for preventing legionella in sports facilities, residential areas, hospitals and hotels, but also in the industrial sector.

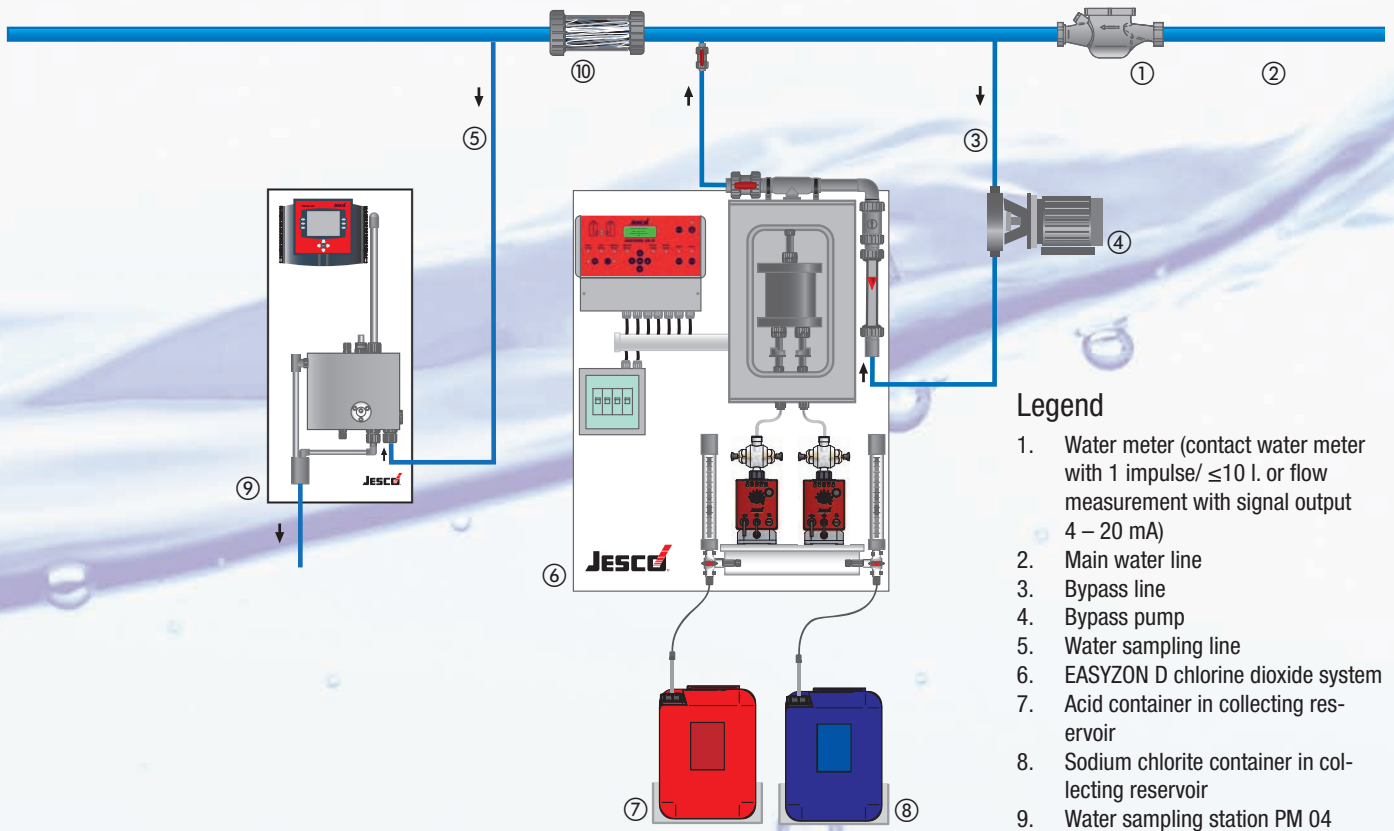
### EASYZON D and C

These systems can be used to produce 48 – 1440 g or 250 – 7200 g ClO<sub>2</sub>/h; these are the optimum systems for larger water volumes of maximum 240 – 7200 or 1250 – 36200 m<sup>3</sup>/h. Both system types work according to the acid-chlorite process:

EASYZON D – with conventional, diluted chemicals

EASYZON C – with conventional, concentrated chemicals

## Installation example





Metering pumps, accessories chlorine gas technology, measuring and control technology, centrifugal pumps, disinfection systems and plant engineering and construction



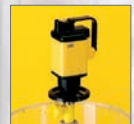
Products for swimming pool water disinfection based on brine-electrolysis, domestic water systems technology

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