

The right dose of disinfection

EASYZON - Disinfection with chlorine dioxide



Dosing *Liquids*
Conveying *Gases*
Control *Systems*

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 ₂ /h PPD	Product concentration g ClO ₂ /l	Max. water vol. gpm	Max. operating pressure psig	Dimensions (W x H x D) inches
EASYZON 5	5 / 26	2	110	145	20 x 36 x 12



EASYZON D - chlorine dioxide produced from diluted solutions

Type	Max. dosing quantity g ClO ₂ /h PPD	Product concentration g ClO ₂ /l	Max. water vol. gpm	Max. operating pressure psig	Dimensions (W x H x D) inches
EASYZON 35 D	48 / 2.5	20; (< 2 n.V.)*	1056	174	30 x 40 x 14
EASYZON 60 D	99 / 5.25	20; (< 2 n.V.)*	2179	174	30 x 40 x 14
EASYZON 130 D	130 / 6.8	20; (< 2 n.V.)*	2862	174	30 x 40 x 14
EASYZON 300 D	316 / 16.7	20; (< 2 n.V.)*	6956	116	36 x 53 x 17
EASYZON 800 D	800 / 42.3	20; (< 2 n.V.)*	17,611	145	36 x 53 x 17
EASYZON 1400 D	1440 / 76.2	20; (< 2 n.V.)*	31,700	58	36 x 53 x 17



EASYZON C - chlorine dioxide produced from concentrated solutions

Type	Max. dosing quantity g ClO ₂ /h PPD	Product concentration g ClO ₂ /l	Max. water vol. gpm	Max. operating pressure psi	Dimensions (W x H x D) inches
EASYZON 250 C	250 / 13.25	20; (< 2 n.V.)*	5503	145	40 x 60 x 12
EASYZON 450 C	450 / 23.8	20; (< 2 n.V.)*	9906	145	40 x 60 x 12
EASYZON 1200 C	1200 / 63.5	20; (< 2 n.V.)*	26,417	87	40 x 67 x 14
EASYZON 2500 C	2500 / 132.27	20; (< 2 n.V.)*	55,000	87	46 x 83 x 15
EASYZON 6000 C	6000 / 317.5	20; (< 2 n.V.)*	132,086	44	50 x 90 x 16
EASYZON 7200 C	7240 / 383.1	20; (< 2 n.V.)*	159,384	44	50 x 98 x 20

*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.

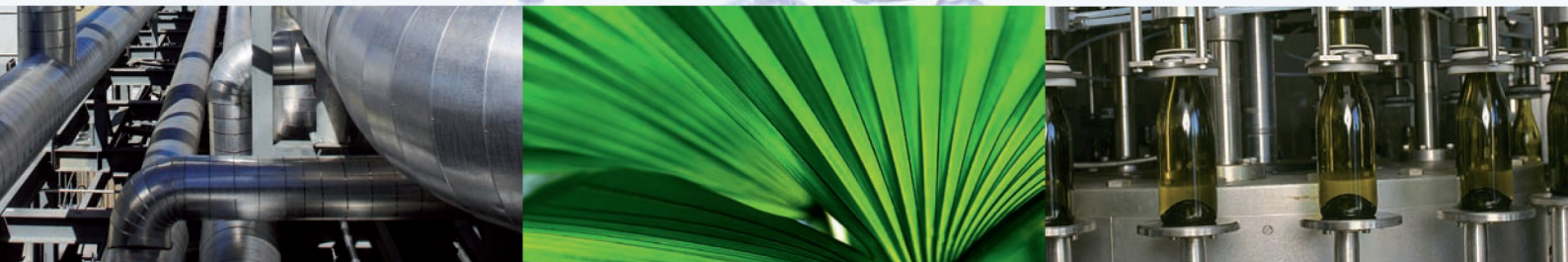
Systematically achieving success

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 ClO₂ in indoor air
- Contact water meter (default: 1 impulse/ ≤ 2.6 gal)
- 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 .2 oz chlorine dioxide/h; this is the right choice for producing and dosing chlorine dioxide for water volumes of up to a maximum 15,852 gpm. 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

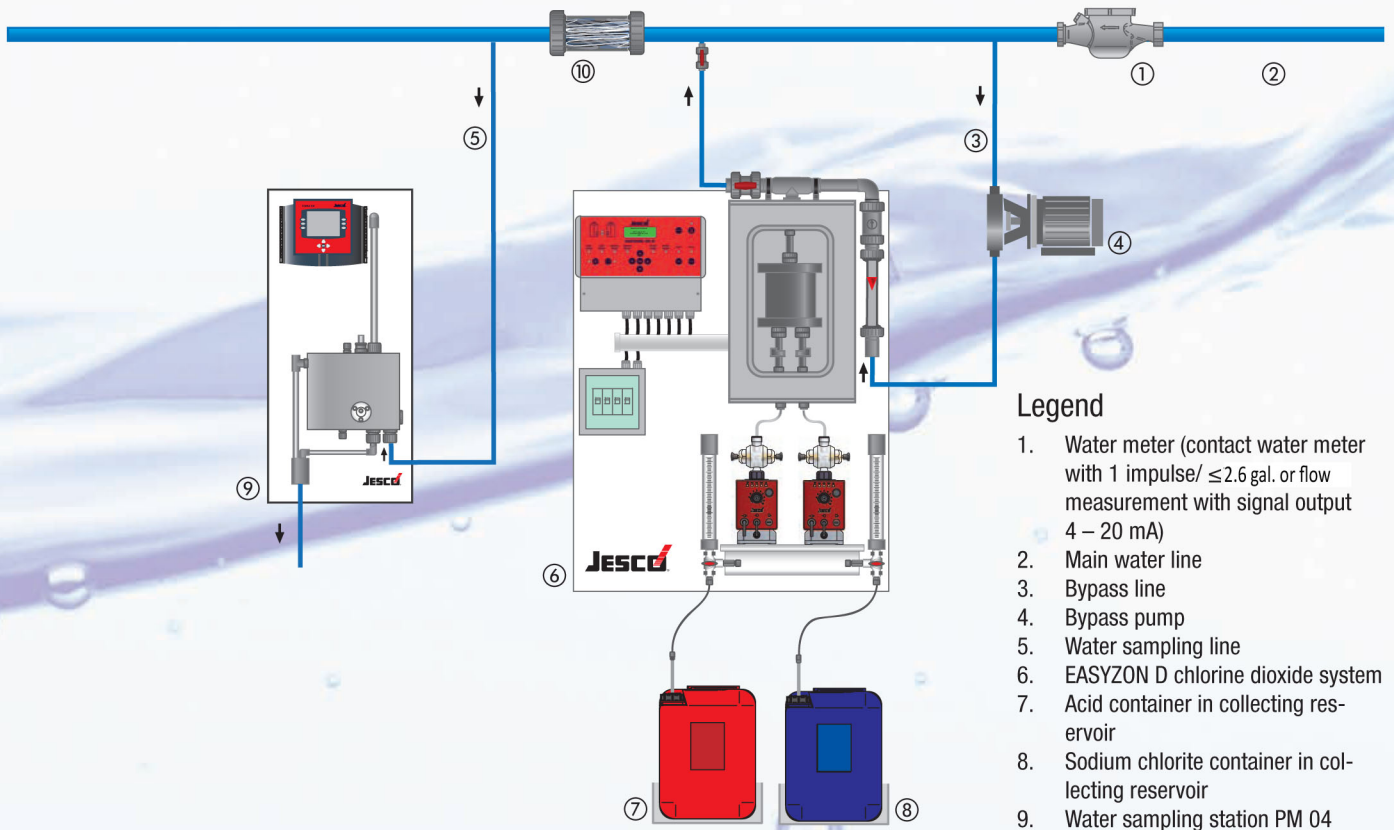
These systems can be used to produce 0.1 - 3.2 lb or 0.6 - 15.9 lb ClO_2 ; these are the optimum systems for larger water volumes.

Both system types work according to the acid-chlorite process:

EASYZON D – with conventional, diluted chemicals

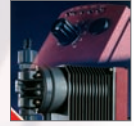
EASYZON C – with conventional, concentrated chemicals

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

Lutz-Jesco GmbH
Am Bostelberge 19 • D-30900 Wedemark
www.lutz-jesco.de



Tap and tank pumps, flow meters, double diaphragm pumps, centrifugal pumps

Lutz Pumpen GmbH
P.O. Box 1462 • D-97864 Wertheim
www.lutz-pumpen.de



Head office
Lutz-Jesco GmbH
Am Bostelberge 19
30900 Wedemark
Germany

Tel.: +49 5130 5802-0
Fax: +49 5130 580268

E-mail: info@lutz-jesco.com
Internet: www.lutz-jesco.de

Hungary
Lutz-Jesco Üzletág
Vasvári P. u. 9.
9024 Győr
Hungary

Tel.: +36 96 523046
Fax: +36 96 523047

E-mail: info@lutz-jesco.hu
Internet: www.lutz-jesco.hu

Austria
Lutz-Jesco GmbH
Aredstraße 7/2
2544 Leobersdorf
Austria

Tel.: +43 2256 62180
Fax: +43 2256 6218062

E-mail: info@lutz-jesco.at
Internet: www.lutz-jesco.at

Netherlands
Lutz-Jesco Nederland B.V.
Nijverheidstraat 14 C
2984 AH Ridderkerk
Netherlands

Tel.: +31 180 499460
Fax: +31 180 497516

E-mail: info@lutz-jesco.nl
Internet: www.lutz-jesco.nl

Great Britain
Lutz-Jesco (GB) Ltd.
Gateway Estate
West Midlands Freeport
Birmingham B26 3QD
Great Britain

Tel.: +44 121 782 2662
Fax: +44 121 782 2680

E-mail: info@lutz-jesco.co.uk
Internet: www.lutz-jesco.co.uk

USA
Lutz-JESCO America Corp.
55 Bermar Park
Rochester, N.Y. 14624
USA

Tel.: +1 585 426-0990
Fax: +1 585 426-4025

E-mail: mail@jescoamerica.com
Internet: www.jescoamerica.com

East Asia
Lutz-Jesco East Asia Sdn Bhd
6 Jalan Saudagar U1/16
Hicom Glenmarie Industrial Park
40150 Shah Alam/ Selangor
Malaysia

Tel.: +603 55692322
Fax: +603 55691322

E-mail: info@lutz-jescoasia.com
Internet: www.lutz-jescoasia.com

Middle East
Lutz-Jesco Middle East FZE
P.O. Box 9614
SAIF-Free Zone Center
Sharjah
UAE

Tel.: +971 6 5572205
Fax: +971 6 5572230

E-mail: info@jescome.com
Internet: www.jescome.com

