The right dose of disinfection
EASYZON - Disinfection with chlorine dioxide
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.

\[
5 \text{NaClO}_2 + 4 \text{HCl} \rightarrow 4 \text{ClO}_2 + 5 \text{NaCl} + 2 \text{H}_2\text{O}
\]

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**

<table>
<thead>
<tr>
<th>Type</th>
<th>Max. dosing quantity (g ClO₂/h)</th>
<th>Product concentration (g ClO₂/l)</th>
<th>Max. water vol. (m³/h)</th>
<th>Max. operating pressure (bar)</th>
<th>Dimensions (W x H x D) (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EASYZON 5</td>
<td>5</td>
<td>2</td>
<td>25</td>
<td>10</td>
<td>490 x 900 x 286</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Max. dosing quantity (g ClO₂/h)</th>
<th>Product concentration (g ClO₂/l)</th>
<th>Max. water vol. (m³/h)</th>
<th>Max. operating pressure (bar)</th>
<th>Dimensions (W x H x D) (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EASYZON 35 D</td>
<td>48</td>
<td>2; (&lt; 2 n.V.)*</td>
<td>240</td>
<td>12</td>
<td>750 x 1000 x 340</td>
</tr>
<tr>
<td>EASYZON 60 D</td>
<td>99</td>
<td>2; (&lt; 2 n.V.)*</td>
<td>495</td>
<td>12</td>
<td>750 x 1000 x 340</td>
</tr>
<tr>
<td>EASYZON 130 D</td>
<td>130</td>
<td>2; (&lt; 2 n.V.)*</td>
<td>650</td>
<td>12</td>
<td>750 x 1000 x 340</td>
</tr>
<tr>
<td>EASYZON 300 D</td>
<td>316</td>
<td>2; (&lt; 2 n.V.)*</td>
<td>1580</td>
<td>8</td>
<td>900 x 1350 x 420</td>
</tr>
<tr>
<td>EASYZON 800 D</td>
<td>800</td>
<td>2; (&lt; 2 n.V.)*</td>
<td>4000</td>
<td>10</td>
<td>900 x 1350 x 420</td>
</tr>
<tr>
<td>EASYZON 1400 D</td>
<td>1440</td>
<td>2; (&lt; 2 n.V.)*</td>
<td>7200</td>
<td>4</td>
<td>900 x 1350 x 420</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Max. dosing quantity (g ClO₂/h)</th>
<th>Product concentration (g ClO₂/l)</th>
<th>Max. water vol. (m³/h)</th>
<th>Max. operating pressure (bar)</th>
<th>Dimensions (W x H x D) (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EASYZON 250 C</td>
<td>250</td>
<td>20; (&lt; 2 n.V.)*</td>
<td>1250</td>
<td>10</td>
<td>1000 x 1500 x 300</td>
</tr>
<tr>
<td>EASYZON 450 C</td>
<td>450</td>
<td>20; (&lt; 2 n.V.)*</td>
<td>2250</td>
<td>10</td>
<td>1000 x 1500 x 300</td>
</tr>
<tr>
<td>EASYZON 1200 C</td>
<td>1200</td>
<td>20; (&lt; 2 n.V.)*</td>
<td>6000</td>
<td>6</td>
<td>1150 x 1700 x 350</td>
</tr>
<tr>
<td>EASYZON 2500 C</td>
<td>2500</td>
<td>20; (&lt; 2 n.V.)*</td>
<td>12500</td>
<td>6</td>
<td>1150 x 2100 x 370</td>
</tr>
<tr>
<td>EASYZON 6000 C</td>
<td>6000</td>
<td>20; (&lt; 2 n.V.)*</td>
<td>30000</td>
<td>3</td>
<td>1250 x 2300 x 400</td>
</tr>
<tr>
<td>EASYZON 7200 C</td>
<td>7240</td>
<td>20; (&lt; 2 n.V.)*</td>
<td>36200</td>
<td>3</td>
<td>1250 x 2500 x 500</td>
</tr>
</tbody>
</table>

*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/ ≤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 m³/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 ClO₂/h; these are the optimum systems for larger water volumes of maximum 240 – 7200 or 1250 – 36200 m³/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

Legend
1. Water meter (contact water meter with 1 impulse/ ≤10 l. or flow measurement with signal output 4 – 20 mA)
2. Main water line
3. Bypass line
4. Bypass pump
5. Water sampling line
6. EASYZON D chlorine dioxide system
7. Acid container in collecting reservoir
8. Sodium chlorite container in collecting reservoir
9. Water sampling station PM 04
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

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 Gyor
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 2062
Fax: +44 121 782 2080
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 Saujana U1/16
Hicom Glenmarie Industrial Park
40150 Shah Alam/ Selangor
Malaysia
Tel.: +603 55602322
Fax: +603 55601322
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 65572205
Fax: +971 6 5572230
E-mail: info@jescome.com
Internet: www.jescoamerica.com