# Control cabinet for Chlorine evaporator

# C 6100

## Operating instructions

Read the operating manual!

The user is responsible for installation and operation related mistakes!

Original operating instructions



BA-20502-02-V06

Dosing Conveying Control | Liquids Gases Systems

# Table of Contents

# 1 Notes for the Reader

This operating manual contains information and behaviour rules for the safe and designated operation of the device.

Observe the following principles:

- Read the entire operating manual prior to starting-up the device.
- Ensure that everyone who works with or on the device has read the operating manual and follows it.
- Maintain the operating manual throughout the service life of the device.
- Pass the operating manual on to any subsequent owner of the device.

## 1.1 General non-discrimination

In this operating manual, only the male gender is used where grammar allows gender allocation. The purpose of this is to make the text easy to read. Men and women are always referred to equally. We would like to ask female readers for understanding of this text simplification.

## 1.2 Explanation of the signal words

Different signal words in combination with warning signs are used in this operating manual. Signal words illustrate the gravity of possible injuries if the risk is ignored:

| Signal word | Meaning |
|---|---|
| DANGER | Refers to imminent danger. Ignoring this sign may lead to death or the most serious injuries. |
| WARNING | Refers to a potentially hazardous situation. Failure to follow this instruction may lead to death or severe injuries. |
| CAUTION | Refers to a potentially hazardous situation. Failure to follow this instruction may lead to minor injury or damage to property. |
| *NOTE* | Refers to a danger which, if ignored, may lead to risk to the machine and its function. |

Table 1: Explanation of the signal words

## 1.3 Explanation of the warning signs

Warning signs represent the type and source of a danger:

| Warning sign | Type of danger |
|---|---|
|  | Danger to life from chlorine poisoning |
|  | Danger to life due to electric shock |
|  | General danger zone |
|  | Danger of damage to machine or functional influences |

Table 2: Explanation of the warning signs

## 1.4 Identification of warnings

Warnings are intended to help you recognise risks and avoid negative consequences.

This is how warnings are identified:

| Warning sign | **SIGNAL WORD** |
|---|---|
| **Description of danger.**<br>Consequences if ignored.<br>⇨ The arrow signals a safety precaution to be taken to eliminate the danger. | |

## 1.5 Instruction for action identification

This is how pre-conditions for action are identified:

✓ Pre-condition for action which must be met before taking action.

🛠 A resource such as a tool or auxiliary materials required to perform the operating instructions.

This is how instructions for action are identified:

➔ Separate step with no follow-up action.

**1.** First step in a series of steps.

**2.** Second step in a series of steps.

▸ Result of the above action.

✓ **Action completed, aim achieved.**

# 2 Safety

## 2.1 General warnings

The following warnings are intended to help you eliminate the dangers that can arise while handling the device. Risk prevention measures always apply regardless of any specific action.

Safety instructions warning against risks arising from specific activities or situations can be found in the respective sub-chapters.

**DANGER**

**Mortal danger from electric shock!**

Live parts can inflict fatal injuries.

⇨ Before carrying out any maintenance work, always disconnect the device from the power supply.

⇨ Secure the system to prevent it from being switched on by accident.

**WARNING**

**Increased risk of accidents due to insufficient qualification of personnel!**

Chlorinators and their accessories must only be installed, operated and maintained by personnel with sufficient qualifications. Insufficient qualification will increase the risk of accidents.

⇨ Ensure that all action is taken only by personnel with sufficient and corresponding qualifications.

⇨ Prevent access to the system for unauthorised persons.

## 2.2 Hazards due to non-compliance with the safety instructions

Failure to follow the safety instructions may endanger not only persons, but also the environment and the device.

The specific consequences can be:

- failure of important functions of the device and of the corresponding system,
- failure of required maintenance and repair methods,
- danger to persons,
- danger to the environment caused by substances leaking from the system.

## 2.3 Working in a safety-conscious manner

Besides the safety instructions specified in this operating manual, further safety rules apply and must be followed:

- accident prevention regulations,
- safety and operating provisions,
- safety regulations on handling hazardous substances,
- environmental protection provisions,
- applicable standards and legislation.

## 2.4 Personnel qualification

Any personnel who work on the device must have appropriate special knowledge and skills.

Anybody who works on the device must meet the conditions below:

- attendance at all the training courses offered by the owner,
- personal suitability for the respective activity,
- sufficient qualification for the respective activity,
- training in how to handle the device,
- knowledge of safety equipment and the way this equipment functions,
- knowledge of this operating manual, particularly of safety instructions and sections relevant for the activity,
- Knowledge of fundamental regulations regarding health and safety and accident prevention.

All persons must generally have the following minimum qualification:

- training as specialists to carry out work on the device unsupervised,
- sufficient training that they can work on the device under the supervision and guidance of a trained specialist.

These operating instructions differentiate between these user groups:

### 2.4.1 Specialist staff

Thanks to their professional training, knowledge, experience and knowledge of the relevant specifications, specialist staff are able to perform the job allocated to them and recognise and/or eliminate any possible dangers by themselves.

### 2.4.2 Trained electricians

Due to their professional training, knowledge and experience as well as knowledge of specific standards and provisions, trained electricians are able to do the electrical work assigned to them and to recognise and avoid any potential dangers by themselves.

They are specially trained for their specific working environment and are familiar with relevant standards and provisions.

They must comply with the legally binding regulations on accident prevention.

### 2.4.3 Trained persons

Trained persons have received training from the operator about the tasks they are to perform and about the dangers stemming from improper behaviour.

Trained persons have attended all trainings offered by the operator.

### 2.4.4 Personnel tasks

In the table below you can check what qualifications are the pre-condition for the respective tasks. Only people with appropriate qualifications are allowed to perform these tasks!

| Qualification | Activities |
|---|---|
| Specialist staff | ■ Transportation<br>■ Assembly<br>■ Commissioning<br>■ Control<br>■ Taking out of operation<br>■ Fault rectification<br>■ Maintenance<br>■ Repairs<br>■ Disposal |
| Trained electricians | ■ Electrical installation<br>■ Rectifying electrical faults<br>■ Electrical repairs |
| Trained persons | ■ Storage |

Table 3: Personnel qualification

# 3 Intended use

## 3.1 Notes on product warranty

Any non-designated use of the device can impair its function and the protection provided. This leads to invalidation of any warranty claims!

Please note that liability is on the side of the user in the following cases:

- The device is operated in a manner which is not consistent with these operating instructions, particularly safety instructions, handling instructions and the section "Intended Use".
- Information on usage and environment (see section 5 „Technical data“ on page 10) is not adhered to.
- If people operate the device who are not adequately qualified to carry out their respective activities.
- No original spare parts or accessories of Lutz-Jesco GmbH are used.
- Unauthorised changes are made to the device.
- Maintenance and inspection intervals are not adhered to as required or not adhered to at all.
- The device is commissioned before it or the corresponding system has been correctly and completely installed.
- Safety equipment has been bridged, removed or made inoperative in any other way.

## 3.2 Intended purpose

The control cabinet is intended exclusively for controlling the chlorine evaporator C 6100.

## 3.3 Device revision

This operating manual applies to the following devices:

| Device | Month / year of manufacture |
|---|---|
| Control cabinet for chlorine evaporator C 6100 | 08/2016 onwards |

Table 4: Device revision

# 4 Product description

## 4.1 Scope of delivery

Please compare the delivery note with the scope of delivery. The following items are part of the scope of delivery:

- Control cabinet for chlorine evaporator C 6100,
- Circuit diagram,
- Operating instructions.

## 4.2 Design and function

### 4.2.1 Structure of the device

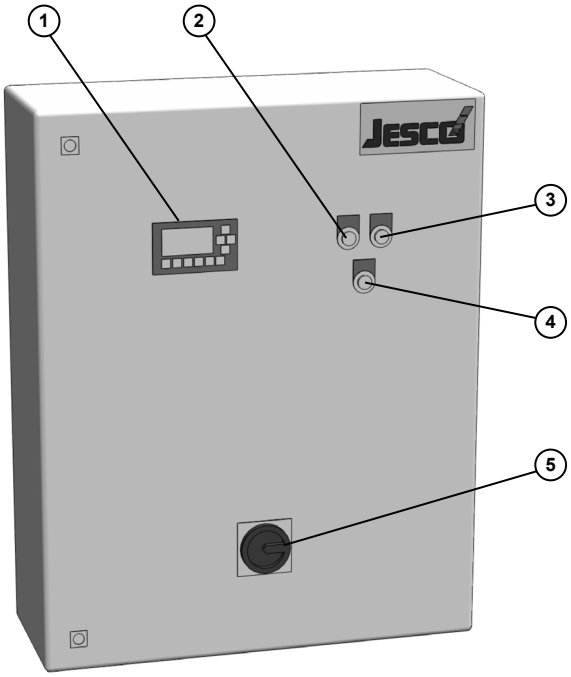


Fig. 1: Structure of the device

| Position | Description |
|---|---|
| 1 | Display |
| 2 | "Operation" lamp (green) |
| 3 | “Reset” button (red) |
| 4 | “Local / 0 / Remote” rotary switch |
| 5 | Main switch |

Table 5: Description of components

### 4.2.2 Controls

**“Local / 0 / Remote” rotary switch**

| Setting | Function |
|---|---|
| “Local” | System switched on |
| "0" | System switched off |
| „Remote“ | System switched on,<br>Start/Stop via potential-free contact |

Table 6: Function of the “Local / 0 / Remote” rotary switch

**"Operation" lamp (green)**

- Lights up if no fault is present and the system is in operation (selector switch is set to "Local" or selector switch is set to "Remote" and there is an external release).
- Flashes if the system is in "Remote" mode and there is no external release.

**“Reset” button (red)**

If a fault occurs, this lamp is activated. Details about the fault are shown on the display. To acknowledge a fault, you must first correct it. You must then activate the push-button to acknowledge the fault. For most fault messages, you must also confirm the fault using the "OK" key on the display. To do this, read the text instructions on the display.

### 4.2.3 Function description

The control cabinet contains the following functions:

- Analysing of all evaporator sensors.
- Evaluating the contact pressure gauge at the rupture disk.
- Indication of operating states on the PLC display.
- Control of heater and water refilling.
- Control of a fast-acting valve.
- Deactivating in case of input gas alarm.
- Remote signalling of operation notifications and alarms.

# 5 Technical data

| Description | Value |
|---|---|
| Material | Sheet steel, painted |
| Operating voltage | 3/N/PE 400 V (- 15%) 50 Hz (± 1%), max. 50 A |
| Control voltage | 24 V DC / 24 V AC |
| Protection class | IP55 |
| Weight | approx. 50 kg |
| Permissible ambient temperature | 0 – 50 °C, avoid direct sunlight |

Table 7: Technical data

# 6 Dimensions

All dimensions in mm.

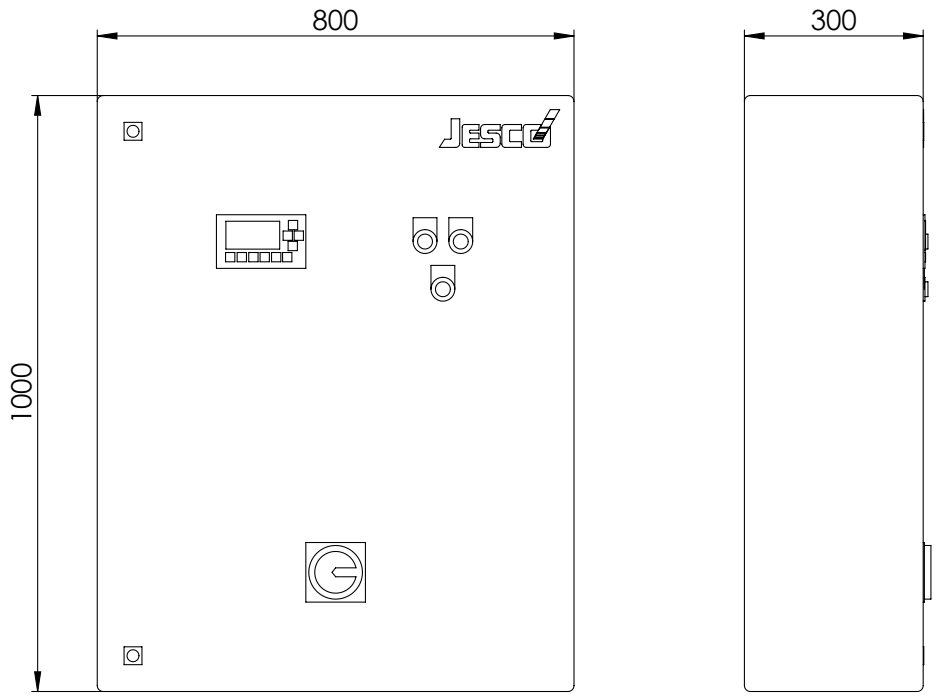


Fig. 2: Dimensions

# 7 Installation

## 7.1 Installation location

The control cabinet is installed in the control room of the system. We do not recommend installation in the same room as the chlorine evaporator. The cable between the control cabinet and the chlorine evaporator may not exceed 200 m without any further measures being taken.

The installation location must fulfil the following requirements:

- Secured against unauthorised access.
- Protected against weather.
- The climactic conditions are complied with (see 5 „Technical data“ on page 10).
- The door of the control room can be opened.

## 7.2 Installing the device

Install the control cabinet on a vertical wall surface.

Pre-conditions for actions:

✓ The wall is flat, dry and can bear the weight.

✓ Suitable mounting material is available.

Perform the following working steps:

1. Hold the device against the wall and mark the fixing points.
2. Drill in the marked holes and insert the rawlplug.
3. Mount the device with the correct screws.

✓ **The device is fitted on the wall.**

## 7.3 Electric installation

**DANGER**

**Mortal danger from electric shock!**

Improperly installed or damaged components in the electronics installation can cause injury.

⇨ Ensure that all work on the electrical installation is performed by a qualified electrician.

⇨ Ensure that all work on the electrical installation is performed in a de-energised state.

⇨ Ensure that the power supply is secured with a fault current protective circuit.

⇨ Replace damaged cables or components without delay.

Comply with the specifications of the switching diagram in the control cabinet when installing the electrics between the control cabinet and the chlorine evaporator.

The majority of the inputs and outputs are have already been installed in the chlorine evaporator. The electrical heaters are connected directly.

# 8 Start-up

**DANGER**

**Danger to life from chlorine poisoning!**

Altering the factory temperature settings and pressures can endanger the correct operation of the device.

⇨ Do not change the factory settings. Given deviations to the factory settings, please contact the manufacturer.

Pre-conditions for actions:

✓ The electrical installation has now been completed.

✓ The chlorine evaporator has been completely mechanically and hydraulically installed.

✓ The chlorine supply is not open.

## 8.1 Filling the water tank of the evaporator.

Perform the following working steps:

1. Switch the Local/0/Remote rotary switch to “0”.
2. Switch on the voltage supply.
   - The control cabinet displays “Water level too low”; the solenoid valve opens and fills the water tank to the highest level.
3. First press RESET and then OK.
   - The fault message extinguishes.

✓ **The water tank has been filled.**

***NOTE***

**Malfunction due to incorrect water quality.**

The fill level measurement does not work if softened water is used.

⇨ Only use water of drinking quality that is not completely desalinated to fill the system

## 8.2 Heating the evaporator

Pre-conditions for actions:

✓ The water tank of the evaporator has been filled.

✓ No external fault messages pending.

Perform the following working steps:

1. Switch the Local/0/Remote rotary switch to “Local”.
   - All heaters of the chlorine evaporator are switched on.
2. Wait whilst the temperature rises (up to two hours)
   - At c. 60 °C the motor ball valve opens for extraction.
   - At c. 68 °C heaters 3 and 4 switch off.
   - At c. 72 °C heaters 1 and 2 switch off.

✓ **The evaporator has heated up.**

## 8.3 Motor ball valve chlorine extraction

The motor ball valve is controlled via the position of the Local/0/Remote rotary switch.

| Setting | Motor ball valve |
|---|---|
| "Local“ | Open, if all operating parameters are OK |
| "0" | Closed |
| "Remote“ | Open if all operating parameters OK and the external release is set. |

Table 8: Influence of the rotary switch

Note that the motor ball valve contains a back-up battery. As a result, the ball valve closes automatically in the event of a power failure. The battery is charged in both motor positions. When the device is switched on for the first time, the battery takes approx. 36 hours to charge completely.

Comply with the further steps for start-up specified in the documentation of the chlorine evaporator C 6100.

# 9 Switching logic

## 9.1 Level control for the water bath

The 3-bar sensor measures the level of the water bath. The solenoid valve is open if a water shortage is measured until the maximum level has been reached.

## 9.2 Temperature control

The activation and deactivation of the electrical heater is controlled by the contact thermometer on the front of the evaporator.

| Temperature | Switching status |
|---|---|
| < 68 °C | All heaters activated |
| 68 - 72 °C | 50 % heaters activated |
| > 72 ° C | All heaters deactivated |

Table 9: Switching status of the heaters

The automatic heater is switched off in the following cases:

- The water bath is not sufficiently full.
- The limit temperature of 80 °C has been reached (manual acknowledgement required).
- The chlorine pressure is too high (over 14 bar).
- The rupture disc is broken.
- A gas alarm is active.

## 9.3 Motor ball valve for extraction

The motor ball valve for extraction is opened once all sensors notify the normal operating state.

The motor ball valve is closed in the following cases:

- The water bath is not sufficiently full.
- The limit temperature of 60 °C was undercut.
- The rupture disc is broken.
- A gas alarm is active.

# 10 Operating and malfunction messages

## 10.1 Status messages on the display

| Message on the display | Description |
|---|---|
| Lutz-Jesco<br>C 6 1 0 0<br>operating hours:<br>2<br>water:off v<br>(date) | ■ Activation message part 1.<br>■ Change to part 2 with the ▼ button.<br>■ No fault has occurred.<br>■ The system is not operating. |
| Firmware: Λ<br>V3.1<br>Software:<br>V2.3<br>(day, hour)<br>(date) | ■ Activation message part 2.<br>■ Change to part 1 with the ▲ button. |
| Status:<br>Mode: external<br>No external<br>release!<br>Water: off<br>(day, hour) | ■ The system is in "Remote" mode.<br>■ The external acknowledgement contact is not closed (“Operation” lamp flashes in this state).<br>■ The heaters are switched off and the withdrawal ball valve is closed.<br>■ The water bath is full. |
| Operation<br>Water: filling<br>Heater: 1/2 on<br>Heater: 3/4 off<br>Gas out:opened<br>v | ■ Status display in operation.<br>■ This indicates whether the system is being filled (display "Filling") and which heater groups (heater 1/2 or heater 3/4) are activated.<br>■ The extraction ball valve is open. |

Table 10: Status messages

## 10.2 Alarm messages on the display

See below for information about how to rectify faults on the device or the system. If you cannot eliminate the fault, please consult with the manufacturer on further measures or return the device for repair.

For additional information, refer to the documentation for the chlorine evaporator C 6100.

| Message on the display | Description | Possible cause | Remedy |
|---|---|---|---|
| Gas pressure<br>too high! PISAH<br>1.Check –B14.7<br>2.Press Reset<br>3.Press OK<br>(day, hour) | The gas pressure is too high. | Liquid chlorine is trapped in the evaporator. The pressure increases through thermal expansion. | **1.** Switch on the chlorine consumer.<br>**2.** Wait until the pressure has normalised.<br>**3.** Press "Reset".<br>**4.** Press "OK". |
| Gas pressure<br>too low! PISAL<br>1.Check –B14.7<br>2.Press Reset<br>3.Press OK<br>(day, hour) | The gas pressure too low. | ■ Chlorine drums are empty.<br>■ Valve in the chlorine supply is closed.<br>■ Isolating valve on the pressure gauge is closed. | **1.** Check the chlorine supply.<br>**2.** Press "Reset".<br>**3.** Press "OK". |
| Rupture disc<br>broken ! PSAHH<br>1.Check –B12.2<br>2.Press Reset<br>3.Press OK<br>(day, hour) | The rupture disc is broken. | Liquid chlorine is trapped in the evaporator. The pressure increases through thermal expansion. | **1.** Replace the rupture disk.<br>**2.** Press "Reset".<br>**3.** Press "OK". |
| Temperat. Water<br>bath too high!<br>1.Check –B14.3<br>2.Press Reset<br>3.Press OK<br>(day, hour) | The temperature in the water bath is above 80 °C. | ■ The temperature monitor MAX is adjusted.<br>■ The heater does not deactivate as a defect is present. | **1.** Eliminate the cause of the excessive temperature.<br>**2.** Wait until the temperature has fallen below 80 °C.<br>**3.** Press "Reset".<br>**4.** Press "OK". |

Table 11: Alarm messages

| Message on the display | Description | Possible cause | Remedy |
|---|---|---|---|
| Temperat. Water<br>bath too low!<br>1.Check –B14.1<br>2.Press Reset<br>3.Press OK<br>(day, hour) | The temperature in the water bath is below 60 °C. | ■ The temperature monitor MIN is adjusted.<br>■ The chlorine mass flow exceeds the capacity limit of the evaporator.<br>■ A heater is defective. | **1.** Eliminate the cause.<br>**2.** Wait until the water level has normalised.<br>**3.** Press "Reset".<br>**4.** Press "OK". |
| Water level<br>too low! LAL<br>1.Check –B10.4<br>2.Press Reset<br>3.Press OK<br>(day, hour) | Insufficient water level in the water tank. | ■ A valve in the water supply is closed.<br>■ The drainage tap on the water tank is open.<br>■ The solenoid valve is soiled.<br>■ The system was operated inadmissibly with completely desalinated water.<br>■ The setup of the level relay was adjusted. | **1.** Eliminate the cause.<br>**2.** Wait until the water level has normalised.<br>**3.** Press "Reset".<br>**4.** Press "OK". |
| Filling time<br>too long!<br>1.Check –Q9.3<br>2.Check waterfl.<br>3.Press Reset<br>4.Press OK | Water after-feed too slow. The MAX level is not reached quickly enough. | ■ A valve in the water supply is not fully open.<br>■ The drainage tap on the water tank is not fully closed.<br>■ The solenoid valve is soiled.<br>■ The setup of the level relay was adjusted. | **1.** Eliminate the cause.<br>**2.** Press "Reset".<br>**3.** Press "OK". |
| GAS ALARM<br>external Signal<br>1.Check –B19.4<br>2.Press Reset<br>3.Press OK<br>(day, hour) | Gas alarm. | ■ A connected gas warning device or safety system notifies an alarm. | **1.** Eliminate the cause.<br>**2.** Press "Reset".<br>**3.** Press "OK". |
| Fuse tripped<br>1.Check –F9.3<br>2.Check –F9.6<br>3.Press Reset<br><br>(day, hour) | An automatic circuit breaker in the control cabinet has tripped. | ■ Defect on the solenoid valve for the water refilling.<br>■ Defective motor on the ball valve for chlorine withdrawal. | **1.** Eliminate the cause.<br>**2.** Check the fuse and activate if necessary.<br>**3.** Press "OK". |

Table 11: Alarm messages

## 10.3 Alarm outputs

The control cabinet contains switching outputs for a collective fault and individual alarm status.

| Fault | Contained in the collective fault | Separate output |
|---|---|---|
| Gas pressure too high | X | X |
| Gas pressure too low | X | X |
| Rupture disk broken | X | X |
| Temperature of the water bath too high | X | X |
| Temperature of the water bath too low | X | X |
| Water level too low | X | X |
| Filling time too long | X | - |
| Fuse tripped | X | - |

Table 12: Alarm outputs

# 11 Maintenance

Products by Lutz-Jesco are manufactured to the highest quality standards and have a long service life. However, some parts are subject to operational wear. This means that regular visual inspections are necessary to ensure a long operating life. Regular maintenance will protect the device from operation interruptions.

**DANGER**

**Mortal danger from electric shock!**

Live parts can inflict fatal injuries.

- ⇨ Before carrying out any maintenance work, always disconnect the device from the power supply.
- ⇨ Secure the system to prevent it from being switched on by accident.

***NOTE***

**Malfunction due to incorrect setup.**

Incorrect setting of the timing relay or the level relays for measuring the filling level in the water bath leads to malfunctions.

- ⇨ Only change the setup for the timing relay following consultation with Lutz-Jesco.
- ⇨ Do not change the function switch on the level relays.
- ⇨ Do not change the sensitivity of the level relays as they are set up for tap water.

**Regular inspection**

Check the function of the safety switch contacts on a regular basis.

Check the function of the power contactors These devices are wearing parts and should therefore be replaced on a regular basis.

In particular, also carry out regular checks on the function of the filling valve and the withdrawal ball valve.

# 12 Declaration of no objection

Please copy the declaration, stick it to the outside of the packaging and return it with the device.

## Declaration of no objection

Please fill out a separate form for each appliance!

We forward the following device for repairs:

Device and device type: ..... Part-no.: .....

Order No.: ..... Date of delivery: .....

Reason for repair: .....

.....

.....

**Dosing medium**

Description: ..... Irritating: ☐ Yes ☐ No

Properties: ..... Corrosive: ☐ Yes ☐ No

We hereby certify, that the product has been cleaned thoroughly inside and outside before returning, that it is free from hazardous material (i.e. chemical, biological, toxic, flammable, and radioactive material) and that the lubricant has been drained.

If the manufacturer finds it necessary to carry out further cleaning work, we accept the charge will be made to us.

We assure that the aforementioned information is correct and complete and that the unit is dispatched according to the legal requirements.

Company / address: ..... Phone: .....

..... Fax: .....

..... Email: .....

Customer No.: ..... Contact person: .....

Date, Signature: .....

# 13 Warranty application

## Warranty Application

Please copy and send it back with the unit!

If the device breaks down within the period of warranty, please return it in a cleaned condition with the complete warranty application, filled out.

**Sender**

Company: ..... Phone: ..... Date: .....

Address: .....

Contact person: .....

Manufacturer order no.: ..... Date of delivery: .....

Device type: ..... Serial number: .....

Nominal capacity / nominal pressure: .....

Description of fault: .....

.....

.....

.....

.....

.....

.....

.....

**Service conditions of the device**

Point of use / system designation: .....

.....

.....

Accessories used (suction line etc.): .....

.....

.....

.....

.....

Commissioning (date): .....

Duty period (approx. operating hours): .....

Please describe the specific installation and enclose a simple drawing or picture of the chemical feed system, showing materials of construction, diameters, lengths and heights of suction and discharge lines.

# 14 EC Declaration of Conformity

**(DE) EU-Konformitätserklärung**
Hiermit erklären wir, dass das nachfolgend bezeichnete Gerät aufgrund seiner Konzipierung und Bauart sowie in der von uns in Verkehr gebrachten Ausführung den einschlägigen grundlegenden Sicherheits- und Gesundheitsanforderungen der aufgeführten EG-Richtlinien entspricht. Bei einer nicht mit uns abgestimmten Änderung am Gerät verliert diese Erklärung ihre Gültigkeit.

**(EN) EC Declaration of Conformity**
We hereby certify that the device described in the following complies with the relevant fundamental safety and sanitary requirements and the listed EC regulations due to the concept and design of the version sold by us.
If the device is modified without our consent, this declaration loses its validity.

**(FR) Déclaration de conformité CE**
Nous déclarons sous notre propre responsabilité que le produit ci-dessous mentionné répond aux exigences essentielles de sécurité et de santé des directives CE énumérées aussi bien sur le plan de sa conception et de son type de construction que du modèle que nous avons mis en circulation.
Cette déclaration perdra sa validité en cas d'une modification effectuée sur le produit sans notre accord explicite.

**(ES) Declaración de conformidad CE**
Por la presente declaramos que, dados la concepción y los aspectos constructivos del modelo puesto por nosotros en circulación, el aparato mencionado a continuación cumple con los requisitos sanitarios y de seguridad vigentes de las directivas de la U.E. citadas a continuación.
Esta declaración será invalidad por cambios en el aparato realizados sin nuestro consentimiento.

**(NL) EU-overeenstemmingsverklaring**
Ondergetekende Lutz-Jesco GmbH, bevestigt, dat het volgende genoemde apparaat in de door ons in de handel gebrachte uitvoering voldoet aan de eis van, en in overeenstemming is met de EU-richtlijnen, de EU-veiligheidsstandaard en de voor het product specifieke standaard. Bij een niet met ons afgestemde verandering aan het apparaat verliest deze verklaring haar geldigheid.

**(PT) Declaração de conformidade CE**
Declaramos pelo presente documento que o equipamento a seguir descrito, devido à sua concepção e ao tipo de construção daí resultante, bem como a versão por nós lançada no mercado, cumpre as exigências básicas aplicáveis de segurança e de saúde das directivas CE indicadas.
A presente declaração perde a sua validade em caso de alteração ao equipamento não autorizada por nós.

| | |
|---|---|
| **Bezeichnung des Gerätes:**<br>**Description of the unit:**<br>**Désignation du matériel:**<br>**Descripción de la mercancía:**<br>**Omschrijving van het apparaat:**<br>**Designação do aparelho:** | Schaltschrank für Chlorverdampfer<br>Control Panel for Chlorine Evaporator |
| **Typ:**<br>**Type:** | C 6100 |
| **EU-Richtlinien:**<br>**EC directives:** | 2014/30/EU<br>2014/35/EU |
| **Harmonisierte Normen:**<br>**Harmonized Standards:** | EN 61000-6-4:2011-09<br>EN 61000-6-3:2011-09<br>EN 61000-6-2:2006-03<br>EN 61000-6-1:2007-10 |
| **Dokumentationsbevollmächtigter:**<br>**Authorized person for documentation:** | Lutz-Jesco GmbH |

Heinz Lutz
Geschäftsführer / Chief Executive Officer
Lutz-Jesco GmbH
Wedemark, 01.08.2016

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