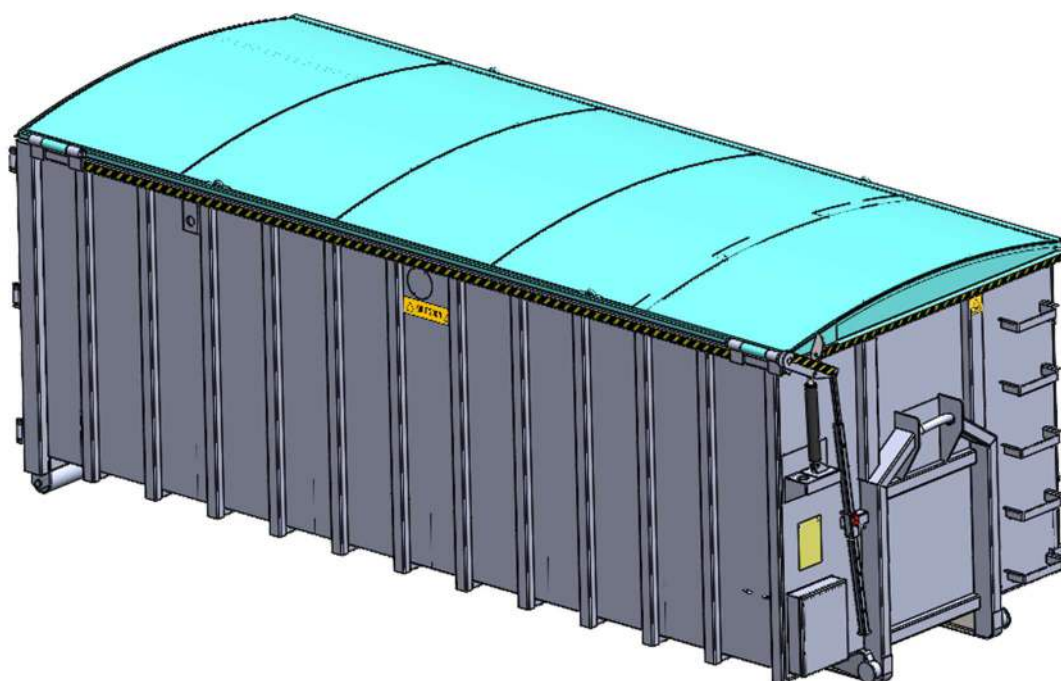
 <p><b>BIRGER</b> Part of Fincornet Group</p>	<p><b>USER AND SAFETY MANUAL</b> for a container with a hydraulic opening lid</p>	<p>UM-2</p>
<p>Prepared by: Joel Kõiv Approved by: Aleksei Männiste</p>	<p>Approved: 01.12.2023</p>	<p>Version 1</p>



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## 1. General

The Birger container with a hydraulically opening roof is designed for waste storage and transport.

The container is delivered to the customer fully assembled, tested and ready for use.

## 2. Introduction

This manual will give you a detailed overview of the correct and safe use of the container (hereinafter referred to as “**device**”). Please read the manual carefully before using the device. The user manual contains important instructions for the efficient and safe use of this device. These instructions must always be followed.

This device complies with all EU Machinery Directives, technical standards and safety regulations. The device is provided with the CE marking (see clause 2.1), which means that it has been designed, manufactured and specified in accordance with the EU Machinery Directive 2006/4/EC.

It is the responsibility of the operator to be aware of and to strictly follow all precautions and instructions outlined in this manual. In addition, the instructions of local health and safety authorities and national laws and regulations must be followed. The use of the device for tasks other than those for which it is intended or exceeding its performance parameters is not permitted. The manufacturer/seller is not liable for any damage caused by misuse of the device. Pay attention to regular maintenance (see clause 5). If problems with the container occur which are not covered in this manual, please contact your authorised dealer or the manufacturer.

### 2.1. Markings

The device is provided with the following CE marking:



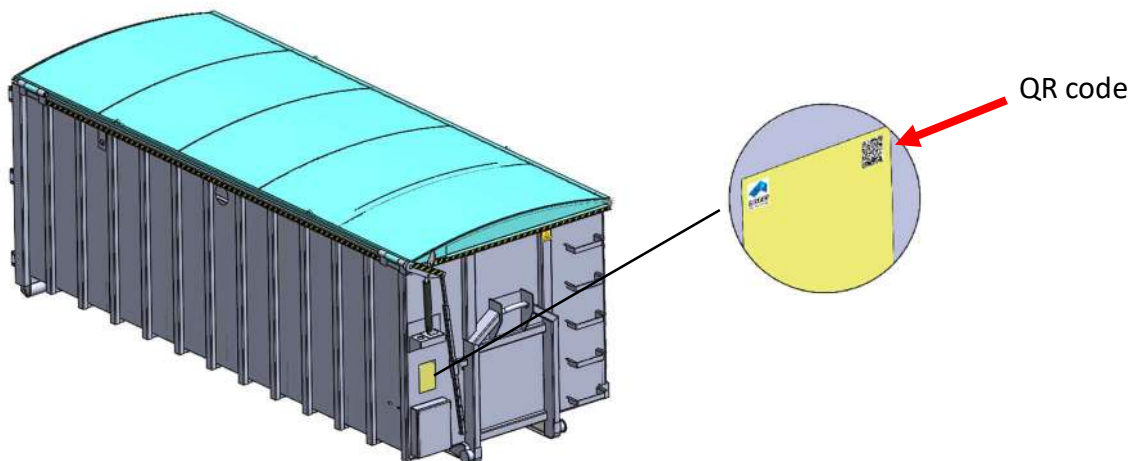
## 3. Safety

### 3.1. General

This user manual contains instructions for the everyday use of the device by the operator. The user manual must be available at all times to the operator(s) working with the device. Important!



- The user manual and other relevant documents must be kept for the lifetime of the device.
- The user manual and other relevant documents form a part of the device.
- This user manual must be passed on to other users of the device.
- The user manual will be updated whenever there are additions or changes to the device.
- The user manual describes the methods to be used to work with the device.
- The user manual is also available on the manufacturer's website. Scan the QR code on the device to go directly to the correct manual on the manufacturer's website.



### 3.2. Requirements for personnel

Operators and workers must be specifically instructed or trained in accordance with the manufacturer's instructions to avoid personal injury and damage to the device. Operators and workers must only handle those parts for which they have been instructed or trained.

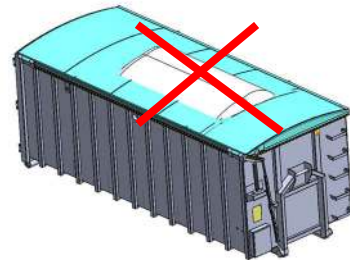
### 3.3. Preparing to open the lid

BEFORE OPENING DO THE FOLLOWING:

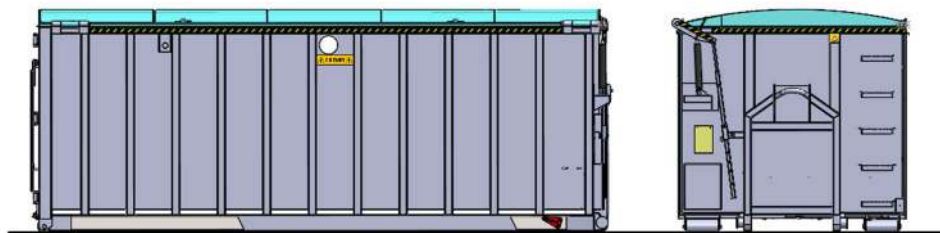


- each time before the use of the device the external hydraulic hoses and power cables must be visually checked. There **MUST** be **NO** signs of deformation or wear on cables and hoses.

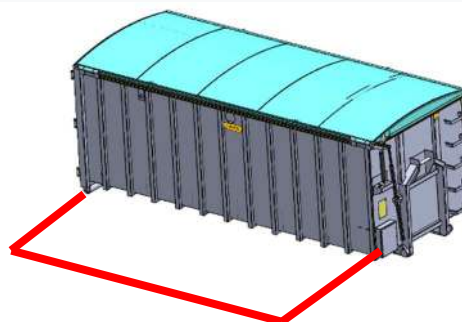
- make sure there is no snow or ice on the lid before opening it. If there is snow or ice on the lid, it is strictly **FORBIDDEN** to open it!



- the device must be placed securely on level ground. Maximum permitted inclination 5°.



- Ensure there are no people who could be injured or objects that could be damaged in the work area! The overall safety distance when opening the container lid is 5m.



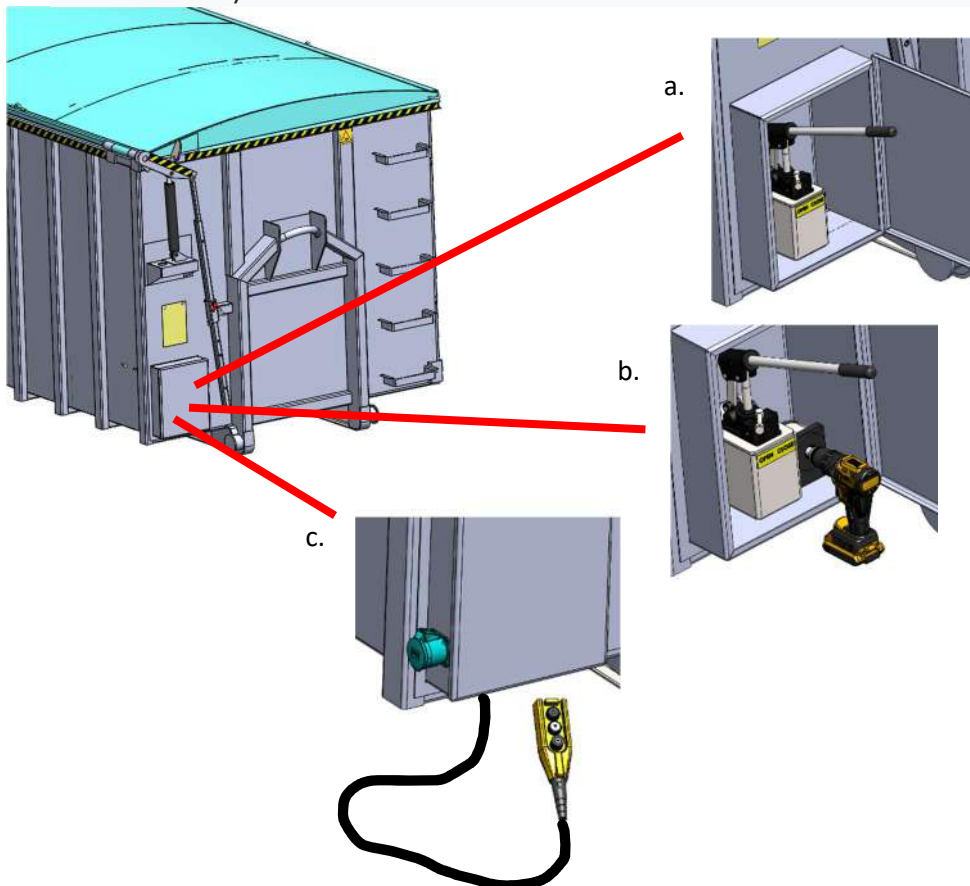
## 4. Instructions for use

### 4.1 General

The lid of the device is opened and closed with a hydraulic cylinder.

The hydraulic cylinder is driven either:

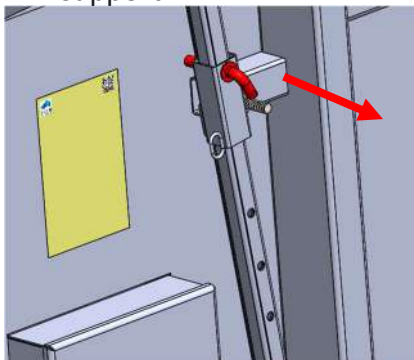
- by using a manually operated pump (see clause 4.2) or
- combined by using a manually operated pump and cordless drill (see clause 4.3);
- with an automatic hydraulic power unit operated by means of a remote control (see clause 4.4).



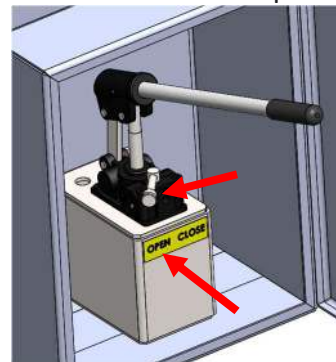
### 4.2 Operating the lid with a manually operated pump

#### 4.2.1 Opening the lid with a manually operated pump

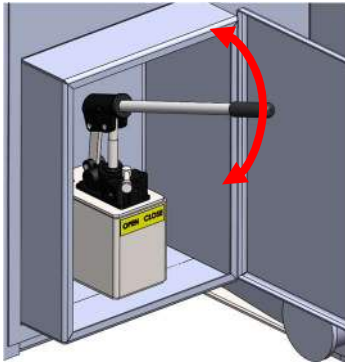
1. Remove the stop pin of the safety support.



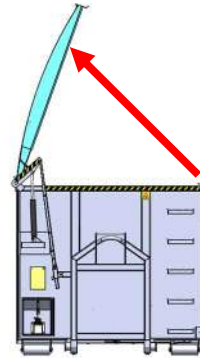
2. Turn handle to OPEN position.



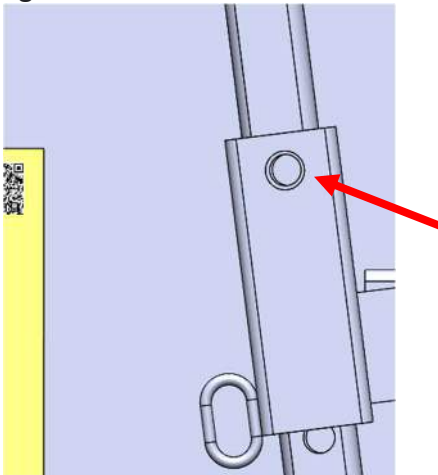
3. Start pumping by moving the handle up and down.



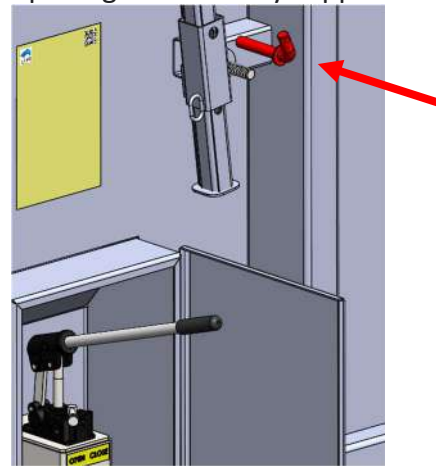
4. Keep pumping until the lid has opened to a position you want.



5. Make sure that the openings in the safety support and stop plate are aligned.

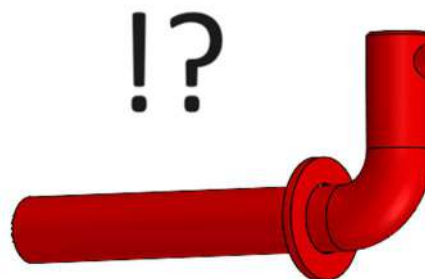


6. Insert the stop pin back into the opening in the safety support.



**PLEASE NOTE!**

The lid must never remain in an open position unless it is supported with a fixed safety support!

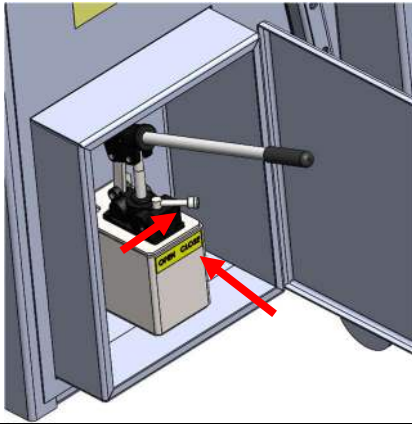




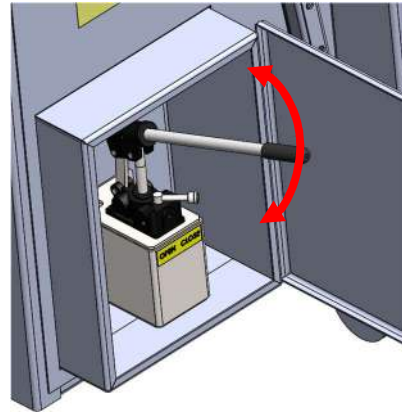
#### 4.2.2 Closing the lid with a manually operated pump

When closing the lid proceed reverse to the opening process!

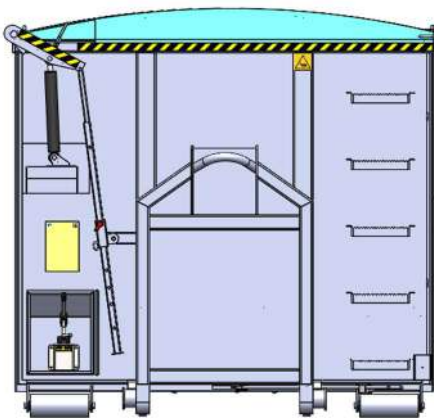
1. Turn the tap towards CLOSED position.



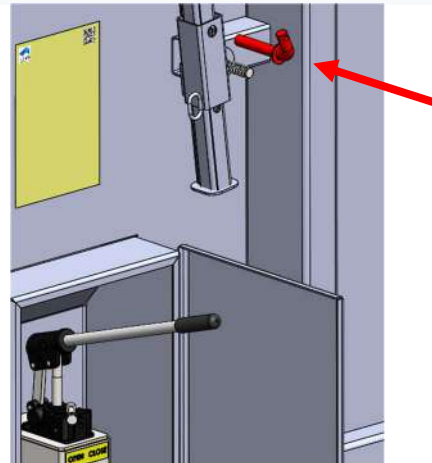
2. Start pumping by moving the handle up and down.



3. When the lid has closed, stop pumping immediately!



4. Put the safety pin back in place.

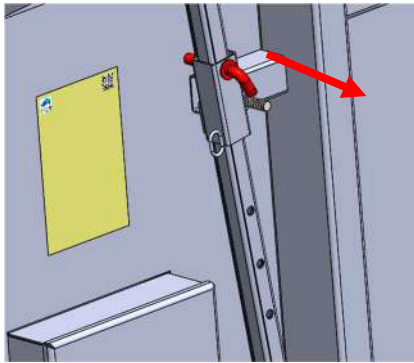




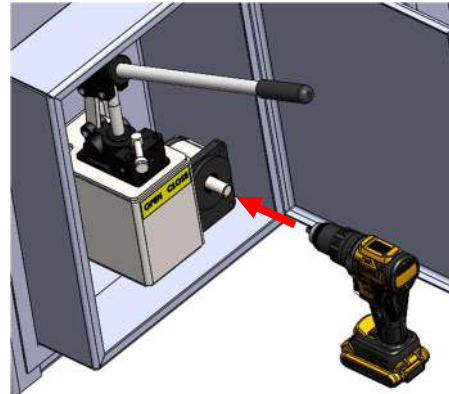
### 4.3 Operating the lid with a cordless drill

#### 4.3.1 Opening the lid with a cordless drill

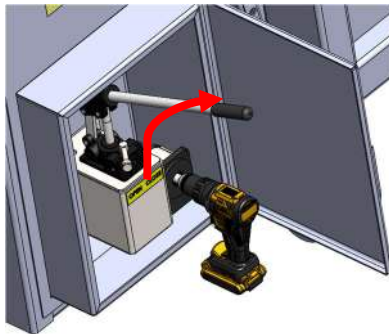
1. Remove the stop pin of the safety support.



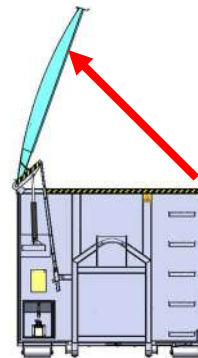
2. Connect the chuck of the cordless drill to the pump shaft.



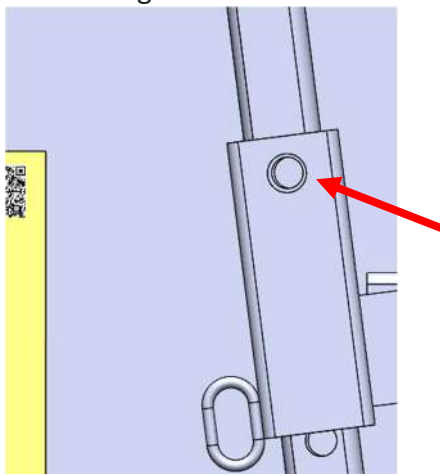
3. To open the lid operate the cordless drill so that the chuck rotates clockwise.



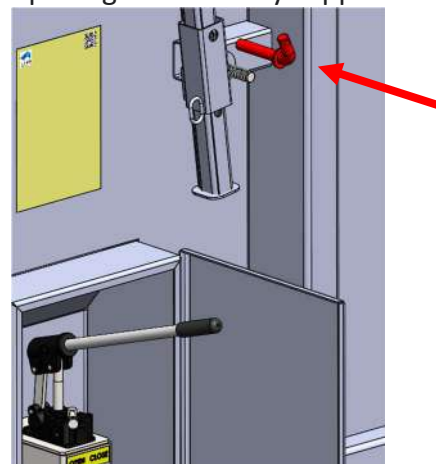
4. Keep pumping until the lid has opened to a position you want.





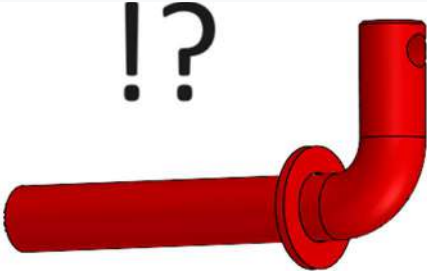
5. Make sure that the openings in the safety support and the stop plate are aligned.



6. Insert the stop pin back into the opening in the safety support.



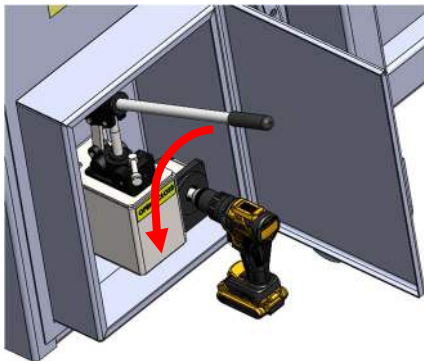
 PLEASE NOTE!  
The lid must never remain in an open position unless it is supported with a fixed safety support!



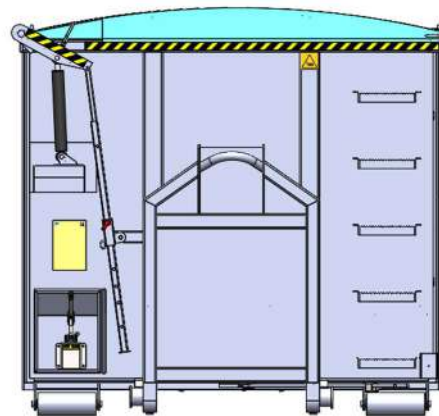
#### 4.3.2 Closing the lid with a cordless drill

When closing the lid proceed reverse to the opening process!

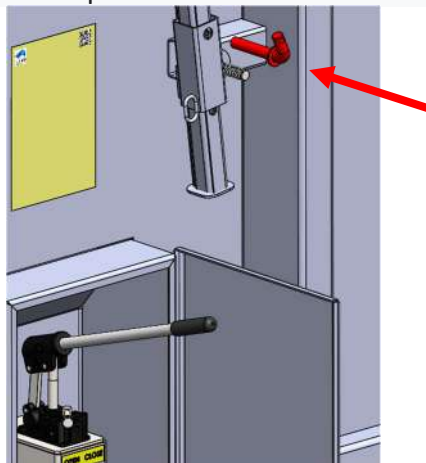
1. To close the lid operate the cordless drill so that the chuck rotates counterclockwise.



2. When the lid has closed, stop pumping immediately!

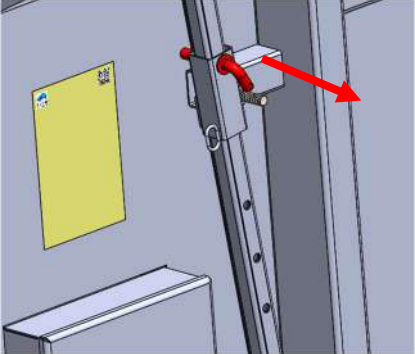
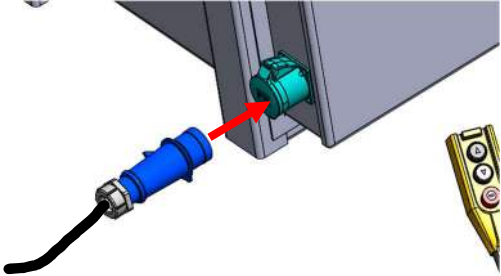

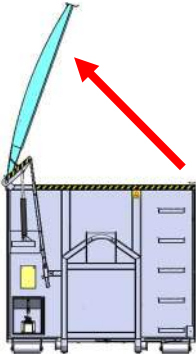
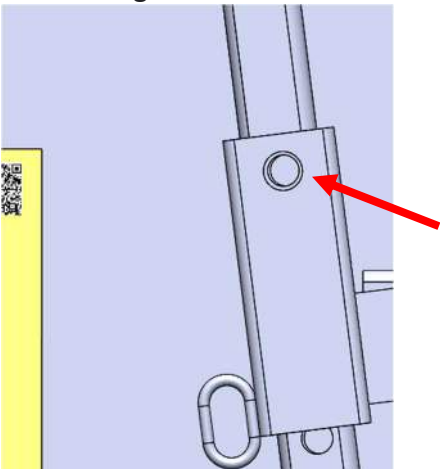
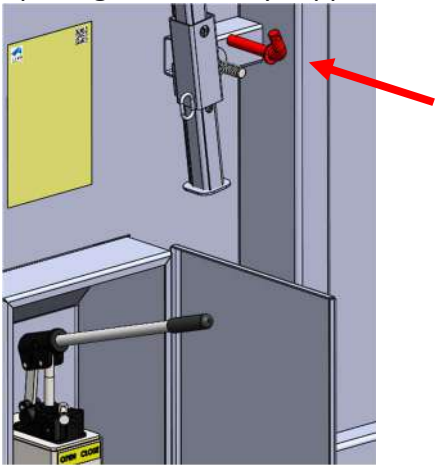



3. Put the safety pin back in place.


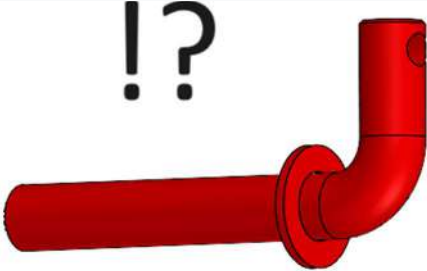


## 4.4 Operating the lid with an automatic hydraulic power unit

### 4.4.1 Opening the lid with the hydraulic power unit

<p>1. Remove the stop pin of the safety support.</p> 	<p>2. Connect the power plug to the control panel of the container.</p> 
<p>3. To open the container lid, press the button open (↑).</p> 	<p>4. Hold the button open (↑) down until the lid has opened to a position you want.</p> 
<p>5. Make sure that the openings in the safety support and the stop plate are aligned.</p> 	<p>6. Insert the stop pin back into the opening in the safety support.</p> 

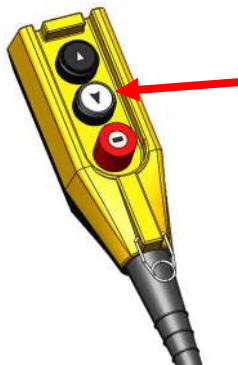
 PLEASE NOTE!  
The lid must never remain in an open position unless it is supported with a fixed safety support!



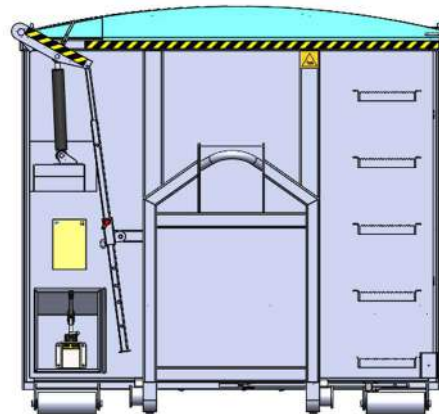
#### 4.4.2 Closing the lid with a hydraulic power unit

When closing the lid proceed reverse to the opening process!

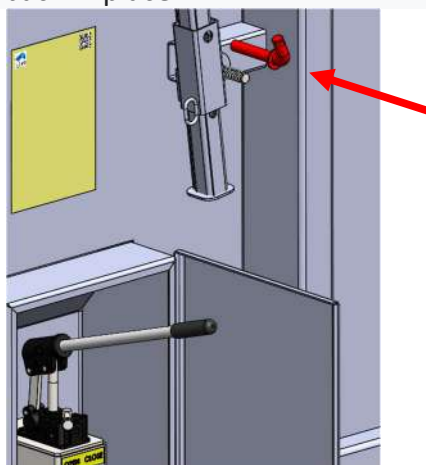
1. To close the container lid, press the button close (↓).



2. Once the lid has closed, release immediately the button on the remote control!



3. Put the safety pin back in place.



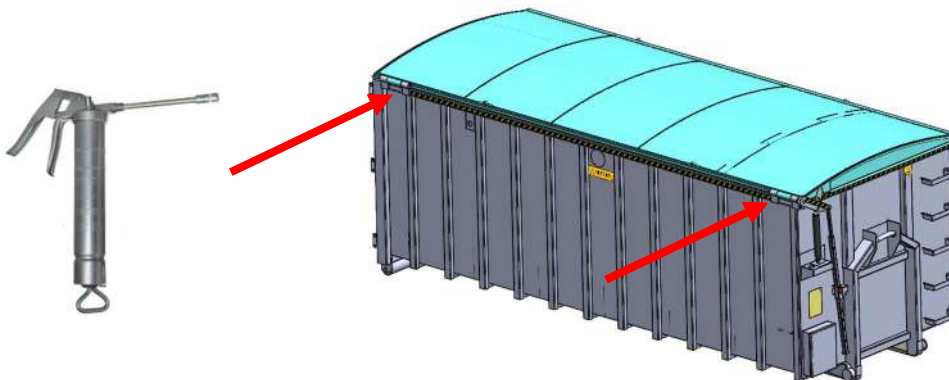
## 5. Maintenance

### 5.1. Maintenance table

PART	MAINTENANCE INTERVAL
Lubrication of bushings	Monthly
Check oil level	Once a week
External power cables and hoses	Every time before opening the roof
Warning stickers	Monthly

### 5.2. Lubrication

Use suitable lubricants such as: Beacon EP2, Multipurpose GR Moly, Mobilux EP2, Mobil Grease MP Special, Energrease LS-EP2 or similar. The right lubricants ensure trouble-free operation of the device.



### 5.3. Check oil level

The oil quantity in the system depends on the length of the hoses and the dimensions of the hydraulic cylinder. The correct oil level is indicated on the hydraulic tank.

### 5.4. Oil change

The hydraulic system is filled at the factory with HLP 46 hydraulic oil. As long as the oil temperature does not exceed 75 °C in summer, winter oil can be used all year round. The freezing point must be below -50 °C, the viscosity must not be lower than 1.5 E°. Hydraulic oil must contain the additives necessary for lubrication.

Oil change:

- first oil change - after the first month of use;
- next oil changes - every 6 months (autumn and spring);
- oil changes should only be carried out when the hydraulic system is not under load;
- to drain the oil from the tank, open the drain cap under the tank and then open the filling cap on top of the tank;
- to top up the oil, replace the drain cap and fill the hydraulic oil into the tank to the necessary level (oil will remain in the hoses, it mixes with the new oil and will be changed during the next oil change).

### 5.5. External power cables and hydraulic hoses



The external hydraulic hoses and power cables must be visually checked before each time the device is used. There must be no deformations on cables and hoses.

### 5.6. Warning stickers

Warning stickers must be checked every month! If any warning sticker is worn or damaged, it must be replaced immediately! The warning stickers must be placed in the same place as they were before.

## 6. Warranty

- Birger OÜ gives a 2-year warranty on the product it has manufactured, during which period Birger OÜ undertakes to repair or replace the defective product free of charge at its own expense or otherwise ensure that the product complies with the agreed conditions or, in the absence thereof, at least with the average quality of similar products.
- The warranty covers the following: welded seams, the structural design of the products and their components, in particular lifting rings, fixing points, locks, hydraulic systems and cylinders, electrical systems. The warranty does not cover, and Birger OÜ is not obliged to repair or replace the product in case of improper use, overload, natural wear, mechanical damage to the paint coating, and if the maintenance of the device (e.g. hydraulic pumps, electric motors) has not been carried out in due time. The warranty does not cover cases where the mechanical structure of the product or the abovementioned devices have been modified.
- Possible warranty repairs or replacements do not extend the original warranty period.

## 7. Manufacturer

This device has been manufactured by:

**BIRGER OÜ**

Maetsma küla, Mustvee vald, Jõgeva maakond

42122 Estonia

info@birger.ee

www.birger.ee