



**700475**



**700495**

**ENGLISH**

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**Read these instructions before using and keep them available at all times!**

This instruction manual contains information about the installation, operation and maintenance of the device and should be consulted as an important source of information and reference guide.

Awareness of the safety instructions and instructions for use in this manual will ensure the safe and correct use of the device.

In addition to the information given here, you should comply with any local Health and safety Controls and generally applicable safety regulations.

The instruction manual forms part of the product and should be kept near the device and easily accessible for anyone carrying out the installation, servicing, maintenance or cleaning.

Please keep these instructions and give them to future owners of the device.

## 1. Safety

This device is designed in accordance with the presently applicable technological standards. However, the device can pose a danger if handled improperly and inappropriately.

All persons using the device must follow the recommendations and instructions in this manual.

### 1.1 Key to symbols

In this manual, symbols are used to highlight important safety instructions and any advice relating to the device. The instructions should be followed very carefully to avoid any risk of accident, personal injury or material damage.



**WARNING!**

**This symbol highlights hazards which could lead to injury.**



**WARNING!**

**This symbol highlights dangerous situations which could lead to injury or death.**



### CAUTION!

This symbol highlights dangerous situations which could lead to light injuries, or damage, malfunction, and/or destruction of the device.



### NOTE!

This symbol highlights recommendations and information aimed for effective and trouble-free device operation.

## 1.2 Safety instructions

- The device is not intended for use by individuals (including children) with physical or mental disabilities, insufficient experience, and/or insufficient knowledge unless such persons are under the care of a person responsible for their safety or have received instructions regarding appropriate use of the device.
- Children should be observed to ensure that they are not playing with the device.
- Only use the device indoors.
- The device is not adapted for use with an external timer or remote control.
- Prevent access of children to the package materials like plastic bags and foamed polystyrene elements. **Suffocation hazard!**
- This device may only be operated in technically proper and safe condition.
- Only a qualified technician and using original spare parts and accessories should carry out repairs and maintenance of the device. **Do not attempt to repair the device yourself.**

- Do not use any accessory or spare parts that have not been recommended by the manufacturer. These can be dangerous for the user or lead to damages of the device or personal injury, and further, the warranty expires.
- To prevent hazards and to ensure optimum efficiency, no modifications or alterations to the device that are not explicitly approved by the manufacturer may be undertaken.



## **DANGER! Electric shock hazard!**

To avoid the hazard results please follow the safety instructions below.

- Never allow the power cable to come into contact with heat sources or sharp edges. The power cable should not hang over the side of the working surface. Ensure that no one can step on or trip over the cable.
- The power cable must not be folded, bent or tangled, and must always remain fully unrolled. Never place the device or other objects on the power cable.
- Do not lay the power cable over carpets or other inflammable materials. Do not cover the cable. Keep away the cable from operating range and do not immerse it into water.
- Check the power cord regularly for damage. Do not use the device if the power cord is damaged. If this cable is damaged, it must be replaced by customer service or a qualified electrician in order to avoid dangers.

- The supply cable must be disconnected from the socket only by pulling the plug.
- Never carry or lift the device by the supply cable.
- In any case do not open the device housing. In case of electrical or mechanical modifications the **electric shock hazard** will occur.
- Never submerge the power cord and the plug in water or other liquids; never wash the device using jet water.
- Do not use any acid agents and make sure no water ingresses the device.
- **Never** operate the device with moist hands or standing on wet floor.
- Remove the plug from its socket:
  - when the device is not used,
  - in case of anomalies during operation,
  - before cleaning.



**WARNING! Fire or explosion hazard!**

To avoid the hazard results please follow the safety instructions below.

- Do not place any electrical devices, such as microwave ovens, hair dryer, irons, boiling pot, etc, on the top of the deep freezer. There is a risk of fire ignition to the plastic elements.
- Do not store the flammable or explosive substances in the device, like ether, kerosene, or glues.
- Do not clean the device with use of flammable liquids. The released vapours may cause fire or explosion.

- Do not store gasoline or other flammable substances in the vicinity of the device. The vapours may cause fire or explosion.
- Do not store the explosive objects in the device, like cans with explosive work substances.
- Do not allow for the cooling circuit damages.

### 1.3 Proper use

The operational safety of the device is assured only in case of proper use, according to the operation manual.

All technical activities like installation and maintenance must be performed by the qualified service personnel only.

The deep freezer is intended only for long-term storage of deep-frozen products.



#### **CAUTION!**

**Any use going beyond the intended purpose and/or any different use of the device is forbidden and is not considered as conventional.**

**Any claims against the manufacturer or his authorized representative as a consequence of experiencing damages resulting from unconventional use are impossible.**

**The operator is liable for all damages resulting from inappropriate use.**

## 2. General information

### 2.1 Liability and Warrantees

All the information and instructions in this manual take into account standard safety regulations, current levels of technical engineering as well as the expertise and experience we have developed over the years.

The instruction manual was translated with all due care and attention. However, we do not accept liability for any translation errors. The German version of this instruction manual is definitive.

If the delivery consists of a special model, the actual scope of delivery may differ from the descriptions and illustrations in this manual. This is also the case for special orders or when the device has been modified in line with new technology.



#### **CAUTION!**

**Read this manual carefully and thoroughly before any operation of the device, and especially before turning it on!**

Manufacturer **is not liable** for any damages or faults caused by:

- violation of advice concerning operation and cleaning;
- use other than designed;
- alterations made by user;
- use of inadequate spare parts.

We reserve the right to make technical changes for purposes of developing and improving the useful properties.

### 2.2 Copyright protection

The instruction manual including any texts, drawings, images or other illustrations is copyright. No part of this publication may be reproduced, transmitted or used in any form or by any means without permission in writing from the manufacturer. Any person who commits any unauthorized act in relation to this publication shall be liable to claims for damages. All rights reserved.



#### **NOTE!**

**The contents, texts, drawings, pictures and any other illustrations are copyright and subject to other protection rights. Any person unlawfully using this publication is liable to criminal prosecution.**

### 2.3 Declaration of conformity



The device complies with the current standards and directives of the EU. We certify this in the EC declaration of conformity. If required we will be glad to send you the according declaration of conformity.



## 3. Transport, packaging and storage

### 3.1 Delivery check

Please check the delivery upon completeness and transport damage immediately after receipt. In case of visible damage do not accept or accept the delivery with reservation only.

Note the extent of damage on the carrier's bill of delivery. Trigger off the complaint.

Hidden damages should be reclaimed immediately after notice, as claims for damages can only be asserted within the effective period for complaints.

### 3.2 Packaging

Please do not throw away the covering carton of your device as it might be useful for storage purposes, when moving or, in case of damages, when the device must be sent back to a repair center. The outer and inner packing material should be removed completely from the device before installation.



#### **NOTE!**

**If you liked to dispose the packing, consider the regulations applicable in your country. Supply re-usable packing materials to the recycling.**

Please inspect the device upon completeness. In case any part is missing please contact our customer service center immediately.

### 3.3 Storage

Keep the package closed until installation and under consideration of the outside indicated positioning- and storage markings.

Packages should be stored under consideration of the following:

- do not store outdoors,
- keep it dry and dust-free,
- do not expose it to aggressive media,
- do not expose it to direct sunlight,
- avoid mechanical shocks and vibration,
- in case of longer storage (> 3 months) make sure you check the state of the packaging and the parts regularly, if required refresh or renew.

#### 4. Technical data

Name	Deep freezers for 2/1 GN	
Code-no.:	<b>700475</b>	<b>700495</b>
Material:	CNS 18/10	
Realization:	<ul style="list-style-type: none"> <li>▪ Insulation: polyurethane, 60 mm</li> <li>▪ changeable door hinge</li> <li>▪ ventilated cooling</li> <li>▪ adjustable grids</li> <li>▪ height adjustable feet</li> <li>▪ lockable</li> <li>▪ automatic defrost function</li> <li>▪ water drip evaporation</li> </ul>	
Gross volume:	700 litres	1400 litres
Coolant:	R134a	
Temperature range:	-18 °C to -22 °C	
Ambient temperature:	up to max. 32 °C	
Power:	0,69 kW / 230 V 50/60 Hz	1,012 kW / 230 V 50/60 Hz
Dimensions (mm):	W 655 x D 855 x H 2050	W 1320 x D 855 x H 2050
Weight:	110.0 kg	191.0 kg
Equipment:	3 grids	6 grids

We reserve the right to make technical changes!

## 5. Installation and operation

### 5.1 Installation



**CAUTION!**

Installation and maintenance operations may only be performed by qualified professionals!

### Positioning

- Unpack the device and remove the packing materials.



**CAUTION!**

**Never remove the identification plate or warning signs from the device.**

- Leave the device on its pallet.
- Raise the deep freezer using a pallet jack and place it where it is intended to be located.
- Do not push or pull the deep freezer as it may tilt, causing damage to the external casing and adjustable legs.
- When the deep freezer is placed in its intended location, remove the pallet. Take care not to hit the device.
- Place the device in a flat, secure place that will support its weight.
- Set up the device using the adjustable legs. Use a level as needed. Every leg must touch the floor, as otherwise the door may open and close improperly.
- Remove the protective foil from the device.
- **Not at any time** should you place the device on an inflammable surface.
- **Do not** place the device in the vicinity of open sources of fire, electric cookers, furnaces or other sources of heat such as e.g., in places exposed to direct sunlight. The heat can damage the surface of the device, as well as have a negative effect on the cooling power and increase the consumption of energy.
- To avoid damage to the compressor, do not tilt the device to an angle greater than 45° during setup or transport. Be careful when touching the condenser and doors, as damage to them will negatively impact the working of the device.

- Place the device in such a manner that there is a minimum of 10 cm between it and other objects, including walls, in order to ensure proper air circulation.
- Place the device in such a manner that the ventilation ducts are neither blocked or covered.
- Do not place the device where humidity or temperature are high as the device may be damaged.
- Do not drill holes in the device nor mount other objects to it.
- Place the device so that the plug is easily accessible and can be quickly removed from its socket in case of necessity.

### Power supply



### **DANGER! Electric shock hazard!**

**The device can cause injuries due to improper installation! Before installation and connecting the local power grid specification should be compared with that of the device (see rating plate). Connect the device only in case of compliance!**

**Connect the device only to properly installed single socket with protective terminal.**

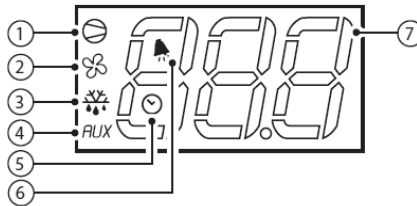
- Before connecting the device to the power supply for the first time and starting its operation leave the device for at least 2 hours to let the cooling equilibrate to avoid failures.
- In the event of power supply cut or unplugging, do not plug in the device for at least 5 minutes.
- The electric socket should be provided with 16A circuit breaker. Only plug in directly to the wall socket. You must not use any adapter or extension block.

## 5.2 Operation

### Prior to first use

- Before the first use, clean the device thoroughly according to the instructions included in **section 6 „Cleaning and maintenance“**.
- Connect the device to a single, grounded socket.
- Turn the device on using the **ON/OFF** switch at the front.
- Prior to placing food products and beverages inside the device, allow the deep freezer to reach the desired temperature.

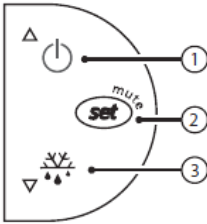
### Indicators






Tab. 1

	Diode	Function	Normal operating mode			Start-up
			ON	OFF	FLASHING	
①		Compressor	On	OFF	Activation	ON
②		Ventilator	On	OFF	Activation	ON
③		Defrost	On	OFF	Activation	ON
④	AUX	Auxiliary output	Active output	Inactive output	-	ON
⑤		RTC clock	RTC available, active (tEN=1) and at least 1 programmed time cycle	RTC unavailable or inactive (tEN=0) or no programmed time cycle		ON
⑥		Alarm	Alarm active	No active alarm	-	ON
⑦		Digital indicators	Composed of three segments with decimal point and division - 199...999. See parameters /4, /5, /6 for sensor reading indicator. Values in °C/°F and decimal point.			

## Button functions







Tab. 2


Button		Normal operating mode		Start-up	
		Pressing once	Pressing multiple buttons		
①	 <b>UP ON/OFF</b>	Over 3 sec.: Displays ON/OFF	Pressing together: Activation/ deactivation of continual operation mode	Pressing together:	Pressing for 1 sec.: Display program version
③	 <b>Down Defrost</b>	Over 3 sec.: Defrost activation/ deactivation			
②	 <b>Set mute</b>	- 1 sec.: show/set desired value - Over 3 sec.: access to other configurable parameters (enter code <b>22</b> ) - disconnect alarm (buzzer)	-	Activation of parameter reset process	Pressing for 1 sec.: <b>RESET EZY</b>

## Setting desired values

To regulate and set desired values:

- press  for one second: set value will begin flashing;
- to raise or lower value, press  or ;
- confirm new value by pressing .

## Manual defrost

Besides automatic defrost, manual defrost is available to be activated by pressing  for over 3 seconds.



### NOTE!

**To gain access to additional settings or to change parameters, such settings are located in the temperature settings guide. If not, contact service personnel.**

## Freezing food products

- Freeze only food products suitable for such storage and able to handle low temperatures.
- Only freeze fresh food products.
- Each product should be packed properly in appropriate packaging. The packaging should let out air or moisture, which could cause the frozen products to dry out. Plastic packaging material should be soft and elastic, so that it adapts to its contents.
- Remember to never re-freeze thawed or thawing food products. Thawed and thawing products should be prepared and consumed within 24 hours.
- Follow producers' instructions concerning the freezing of food products.
- It is best to freeze and thaw small portions. This ensures quick, even freezing and thawing. Always write a description of a package's content and date of freezing.
- When freezing larger quantities of food products the temperature may at times increase. This has no impact on products already frozen and in storage.
- Do not open the doors during the freezing process.



### NOTE!

**Remember to set the temperature properly in order to avoid wasting energy.**

- In the event of a power outage or equipment failure, do not open the door. This will delay temperature increases inside the deep freezer.
- Do not place liquid-filled bottles inside the device. Frozen liquids expand, which may cause bottles to explode.

## Storing deep-frozen food products

- Follow the producer's recommendations for storing food products on the package. If there are no recommendations, do not store anything frozen longer than 3 months from purchase.
- Deep-frozen product packages display the time and temperature for storage of the food product. When storing and using frozen products, follow the producer's recommendations.
- Choose only food products properly packaged, with all information on the packaging and stored at a minimum temperature of -18 °C.
- Transport deep-frozen products in appropriate containers to avoid thawing. Place the food products back in the freezer as quickly as possible.
- Do not purchase products covered in a layer of frost, as such products have already begun thawing several times over.
- Prevent food products from thawing or beginning to thaw, as increased temperatures shorten their storage period and worsen their quality.
- Partially or completely thawed food products should be consumed immediately. Low temperatures conserve food products, but do not kill microorganisms, which quickly recover and cause food products to spoil. Partial thawing reduces a food product's nutritional value, especially of fruits, vegetables and prepared products.
- If packaging is damaged or unnaturally swollen, it has most likely been stored improperly and the food product inside may be spoiled.
- If a sudden power outage occurs, avoid opening the doors to prevent loss of cold.
- Never leave the deep freezer without electricity for longer than 10 minutes
- After a power outage or removing the plug from its socket, wait at least 5 minutes before connecting the deep freezer to a power source.



## 6. Cleaning and care



### **WARNING!**

**Before cleaning, switch the device off via ON/OFF switch and disconnect it from the power supply (pull the plug out the socket!).**

**Never clean the device with any kind of pressure water jets!  
Be careful and do not let the water into the device.**



### **CAUTION!**

**Never use hot water for cleaning the device!**

**Never use aggressive or coarse cleaning agents such as scouring powder, alcohol, solvents or other substances that could damage the device's surfaces.**

## Defrosting

- Ice that forms inside the device should be defrosted from time to time.



### **CAUTION!**

**Never damage the coolant circulation. Do not use any sharp, pointed or other mechanical objects to speed up defrosting.**

- For the device completely defrost (at least twice per year), disconnect it from its power source by removing the plug from its socket and leave the doors open until the ice completely melts.
- To gather the water formed by thawing, place the proper containers at the bottom of the device.



### **CAUTION!**

**Never use electric equipment such as hair dryers, heaters, etc. nor an open flame to defrost the device.**

- When defrosting, wrap deep-frozen products in several layers of paper (e.g. in newspapers) and store in a cold place.
- As the temperature of deep-frozen products will increase, consume them as quickly as possible as their maximum storage time will be reduced.

### **Cleaning the device**

- After defrosting, wash the device with warm water and a neutral cleaning agent. Wipe down thoroughly with clean water.
- After washing, dry the device thoroughly.
- Wash the equipment with a neutral cleaning agent and dry when finished. Leave accessories to dry before replacing them in the device.
- Wash the external surface with a soft, moist cloth.

### **If the device is to remain unused for a longer period of time:**

- remove the plug from its socket;
- remove all food products from the deep freezer;
- defrost the deep freezer;
- wash the device's interior and exterior;
- leave the doors open to allow the deep freezer to dry thoroughly.

### **Cleaning the condenser**

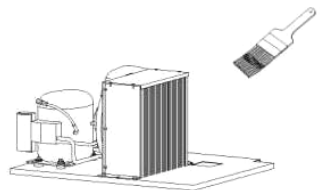
- Clean the condenser at least once a month.



#### **NOTE!**

**A dirty condenser has a negative impact on the device's functioning and increases energy use!**

- Disconnect the device prior to cleaning (remove plug!).
- Use a vacuum or hard-bristle brush for cleaning.
- Wear protective gloves while cleaning.



#### **WARNING! Danger of burns!**

**The compressor's surface may be very hot when in use. Do not touch the compressor with bare hands.**

## 7. Possible Malfunctions

In case of malfunction, disconnect the device from its power source. Before contacting the service or sales agent, verify - based on the table below - whether it is possible to eliminate disruption in operation.

Problem	Cause	Solution
<b>No cooling.</b>	<ul style="list-style-type: none"> <li>• Plug not in socket.</li> <li>• Damaged circuit breaker.</li> <li>• Power interruption.</li> </ul>	<ul style="list-style-type: none"> <li>• Insert plug into socket.</li> <li>• Check power source.</li> <li>• Check power source.</li> </ul>
<b>Insufficient cooling</b>	<ul style="list-style-type: none"> <li>• Direct sunlight or heat source nearby.</li> <li>• Poor air circulation around deep freezer.</li> <li>• Door not closed or held open for too long.</li> <li>• Damaged or misshaped door seals.</li> <li>• Too many products inside or distance between products is too small.</li> <li>• Improperly set temperature.</li> </ul>	<ul style="list-style-type: none"> <li>• Remove heat source.</li> <li>• Ensure sufficient distance between wall and other objects.</li> <li>• Close door, keep open as short a time as possible.</li> <li>• Contact sales agent</li> <li>• Ensure proper distance between products, remove unneeded articles.</li> <li>• Set temperature.</li> </ul>
<b>Deep freezer making unusual or very loud sounds.</b>	<ul style="list-style-type: none"> <li>• Deep freezer on uneven surface.</li> <li>• Deep freezer touches wall or other object.</li> <li>• Door is improperly closed.</li> </ul>	<ul style="list-style-type: none"> <li>• Place deep freezer on even surface.</li> <li>• Ensure proper distance to wall and other objects.</li> <li>• Close door.</li> </ul>

**If the problems in operation cannot be eliminated:**

- **do not** open the body,
- inform the service or contact the supplier providing:
  - kind of a problem;
  - code number and serial number (see identification plate at the rear wall of the device).

**The following does not indicate any problem or failure:**

- Sounds produced during operation of the device are normal and do not indicate a failure.
- A sound of splashing, gurgling or humming comes from the coolant circulating in the cooling system.
- You can hear a short, louder sound of whining or clicking when the compressor starts up.

**Error messages on the digital display**

Alarm code	Error	Assistance
<b>E0</b>	Regulation sensor error: <ul style="list-style-type: none"> <li>▪ Sensor not working: Sensor signal interrupted or appears for a short time;</li> <li>▪ Sensor not working with unit.</li> </ul> The message E0 appears when one alarm is active, (temperature value is not displayed), and flashes when other alarm signals show or when the measurement value of the second sensor is displayed.	Contact a sales agent.
<b>dOr</b>	Open door	Check multifunction jacks and parameters A4 and A7. Contact a sales agent
<b>Ed</b>	Last defrost cycle ended as a result of max. time being exceeded, and not because of normal end of cycle	Check parameters dt, dP and d4; Check if defrost conducted properly. The message will disappear when the next defrost cycle finished normally.
<b>dF</b>	Defrost cycle completed: <ul style="list-style-type: none"> <li>▪ this is not an error message, but a message that the unit is in the middle of a defrost cycle. It only appears when parameter d6= 0.</li> </ul>	Contact a sales agent
<b>CHt</b>	Dirty condenser alarm: <ul style="list-style-type: none"> <li>▪ check parameters A4, Ac, AE and Acc.</li> </ul>	Contact a sales agent

## 8. Waste disposal

### Discarding old devices

At the end of its service life the discarded device has to be disposed in accordance with the national regulations. It is advisable to contact a company which is specialized in waste disposal, or just contact the local disposal service in your community.



**WARNING!**

**To exclude any abuse and the dangers involved make the waste device unfit for use before disposal. For that purpose disconnect device from mains supply and remove mains connection cable from the device.**



**CAUTION!**



**For the disposal of the device please consider and act according to the national and local rules and regulations.**