

**300L**



**700552**

**ENGLISH**

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**Read this instruction manual 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 instruction 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.



**DANGER!**

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 can be used by children **8 years and up**, as well as by people with disabilities and those with limited experience/knowledge as long as they are under supervision or have been instructed on proper use of the device and its possible dangers. **Children** should not play with the device. Cleaning and **maintenance cannot be performed by children** younger than 8 years old and must be done under supervision. **Children under the age of 8 years old** must be kept away from the device and its power cord.
- Only use the device indoors.
- Prevent access of children to the package materials like plastic bags and foamed polystyrene elements. **Suffocation hazard!**
- The device must be operated in correct and safe technical condition only. In case of operational problems disconnect the device from the power supply (pull the plug from the socket) and contact the service company.

- 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 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 appliance 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.
- 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.

## 1.3 Proper use



### **CAUTION!**

**The device has been designed and manufactured for the industrial use and should be operated only by the qualified personnel of the restaurants, canteens and similar places.**

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 cooling display is designed for cooling cakes, beverages, yoghurts, snack, e.g. sandwiches etc.**



### **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.



**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

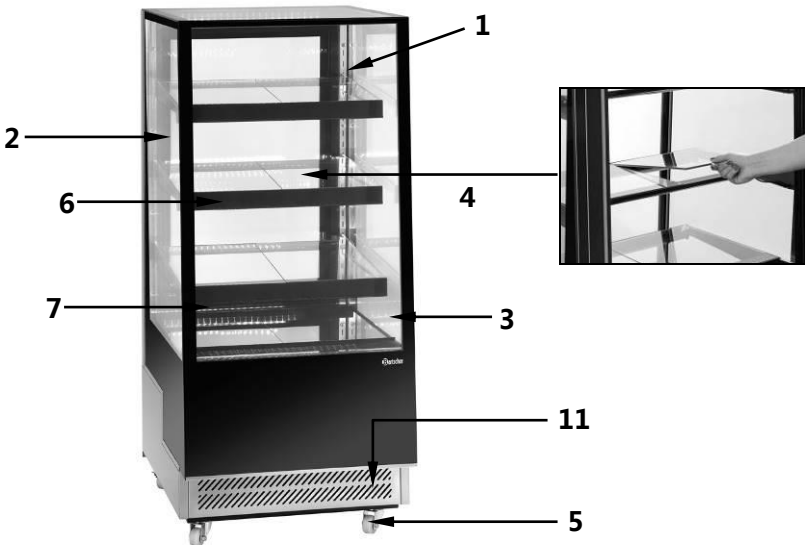
Keep the package closed until installation and under consideration of the outside indicated positioning- and storage markings.

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

### 4.1 Overview of parts



#### View from the operational side



- |   |                            |    |                                  |
|---|----------------------------|----|----------------------------------|
| 1 | Front glass pane           | 7  | LED lighting                     |
| 2 | Left glass pane            | 8  | Folding glass door, service side |
| 3 | Right glass pane           | 9  | ON/OFF switch                    |
| 4 | Removable shelf (8)        | 10 | Digital display                  |
| 5 | Castors (4), 2 with brakes | 11 | Ventilation grid                 |
| 6 | Shelves with pricing rails |    |                                  |

## 4.2 Technical specification

<b>Name</b>	<b>Cooling display</b>
Model:	<b>300L</b>
Code-No:	<b>700552</b>
Material:	Stainless steel, plastic, glass
Construction:	<ul style="list-style-type: none"><li>▪ Digital display</li><li>▪ Electronic control</li><li>▪ Static cooling</li><li>▪ Recirculation cooling</li><li>▪ Automatic thawing function</li><li>▪ Drip water evaporation</li><li>▪ Internal LED lighting</li><li>▪ Glass folding door rear</li></ul>
Cooling medium:	R134a
Capacity:	300 litres
Temperature range:	2 °C to 8 °C
Display area dimensions:	W 580 x D 390 mm
Dimensions:	W 655 x D 805 x H 1470 mm
Power supply:	0.46 kW / 220-240 V 50 Hz
Weight:	143 kg

We reserve the right to make technical changes!

## 5. Installation and operation

### 5.1 Installation

#### Positioning

- Before the operation unpack the device and remove all package material and protective foil from the device and equipment.



#### **CAUTION!**

**Never remove the rating plate and any warning signs from the device.**

- Position the device in safe place of load capacity sufficient for weight of the device with full content.
- **Never** place the device on the flammable surfaces.
- In order to avoid the compressor damages do not tilt the device during positioning or transport by more than 45°.
- **Do not** place the device in the vicinity of open fire, electric ovens, heating furnaces, or other heat sources like direct sunlight. High temperature may damage the device surface and may impact the cooling capacity and energy consumption.
- When placing the device, make sure that the ambient temperature is in the range from 10 °C to 32 °C.
- Place the device so that there is sufficient air circulation around it. Keep a distance of at least 10 cm from the walls and other objects.
- **Never** cover or block ventilation ducts or air inlet and outlet.
- **Do not** place the device in the area with high humidity. Relative humidity at the location of the device shall not exceed 70 %. Excessive humidity may affect the cooling power of the device.
- Do not drill any holes and do not mount any other objects in the device or on the device.
- Do not place heavy objects on the device.
- Place the device so that the plug is easily accessible in order to quickly disconnect the device from the power source if necessary.

## Connection



**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 the first use, the cooling display should be installed and left standing for at least 2 hours before it is connected to the power supply.
- After a power failure or removal of the plug, do not reconnect the device to the power supply for at least 5 minutes.
- The electrical circuit in the socket must be secured to at least 16A. Only connect the device directly to the wall socket; do not use any extension cords or power strips.

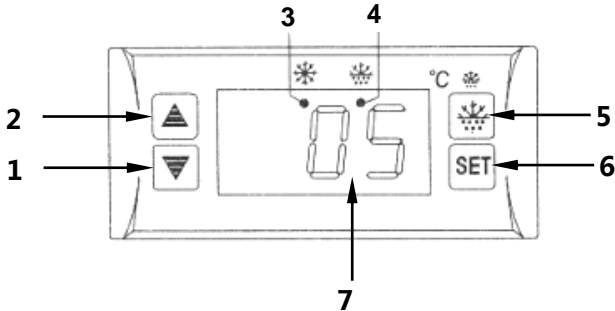
## 5.2 Operation

### Preparation

- Before the first start-up of the device use this manual to become familiarized with the device and its equipment.
- Before the device operation clean the device and its equipment according to the instructions in section **6 “Cleaning”**.
- Connect the device to the single grounded socket. Turn the device on with use of switch located on the operation side. The indicator integrated with the switch will come on.
- The digital display will show the preset temperature value and the LED cooling indicator will come on.
- The cooling display may be filled with food products only when it reaches the sufficient cooling power. Follow the instructions in section **“Cooling of food products”**.

## Digital temperature control

- The temperature control is located at the service side of the unit.



- 1 Temperature **decrease** button
- 2 Temperature **increase** button
- 3 LCD cooling indicator
- 4 LCD defrost indicator
- 5 Manual defrost button
- 6 Adjust/save **setting (SET)** button
- 7 Digital display

## LCD Indicators





### LCD cooling indicator:

The light **on** indicates cooling, it is **off** when the temperature inside the cabinet remains constant, and **flashes** for delayed start.

### LCD defrost indicator:

The light **on** indicates defrosting, it is **off** when defrosting has finished, and **flashes** for delayed defrosting.

## Setting the desired temperature (desired value)

- To set or change the desired value:
  - briefly press the button , the value on the digital display will start flashing;
  - increase or reduce the temperature value as needed using the buttons  or .
  - confirm the value entered by pressing the button .



### NOTE!



**If no button is pressed in the next 10 seconds, the digital display will show the temperature inside the refrigerated display.**

**The display shows the value of temperature which is measured near the temperature sensor and is used for controlling the compressor.**

## Automatic defrost

The device's automatic defrost cycle runs 3 times every 24 hours.

## Manual defrost

When the cooling capacity decreases, it is necessary to perform the manual defrosting. To start the defrosting, press the manual defrost button  and hold it pressed for 6 seconds. The LCD defrost indicator „“ will come on. The next defrost cycle will start in 8 hours.

## Cooling of food products

- Prepare relevant food products to be cooled in the display fridge.
- Only packaged salads, snacks, sandwiches, yoghurts, etc. can be stored in the cooling display.
- When the inside of the device reaches the set temperature, the LED cooling indicator will go off and the unit is ready to hold relevant food products
- The cooling display may be filled in through the folding doors on the service side.



### **NOTE!**

**Warm food should be cooled to room temperature prior to placing it in the display fridge.**

- Do not overfill the display fridge in order to enable free circulation of air and keep food products at appropriate distance from each other.
- Take out the food products only when and as needed
- After the use, disconnect the device from the socket (pull the power plug!).

## 6. Cleaning



### **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 use of water jet!**

**Be careful and do not let the water into the device.**

- Clean the display fridge regularly.
- Remove all food products from the cooling display and store them in the refrigerator during the cleaning to keeps them fresh.



- Never use chemical or corrosive cleaning agents such as e.g. scouring powder, alcohol, solvents or other substances that could damage the device's surfaces.



- Remove individual shelves in order to clean the device

- Clean them with the warm water and mild cleaning agent. Dry the cleaned surfaces afterwards.
- Clean the interior of the **cooling display** regularly using a warm water and a disinfectant appropriate for food service applications. Use only soft cloths. Rinse them in clean water to remove all traces of the cleaning agent.
- Clean external parts of the **casing** and **side glass panes** with a wet cloth and mild cleaning agent.
- Dry all cleaned surfaces thoroughly afterwards.
- Insert the shelves to the device.

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

- switch the device off via **ON/OFF** switch and disconnect it from the power supply (pull the plug out the socket);
- remove all food products and beverages from the cooling display;
- clean the interior and exterior of the cooling display. Remove water and mould;
- leave the door open, to allow the cooling display to dry thoroughly.

## 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.

Malfunction	Cause	Solution
<b>No cooling</b>	<ul style="list-style-type: none"> <li>• Improperly connected power cord</li> <li>• Electrical circuit safety fuse has gone off</li> <li>• Power outage</li> <li>• Damaged temperature regulator</li> </ul>	<ul style="list-style-type: none"> <li>• Pull the plug and reinsert it into the socket correctly</li> <li>• Check the fuse, check the device by connecting it to another socket</li> <li>• Check the power source</li> <li>• Contact the sales agent</li> </ul>
<b>Insufficient cooling capacity</b>	<ul style="list-style-type: none"> <li>• Device is too close to source heat or direct sunlight</li> <li>• Poor air circulation in the device</li> <li>• Improper temperature setting</li> <li>• Device is overfilled</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure sufficient distance between the device and heat sources</li> <li>• Ensure sufficient distance from walls and other objects</li> <li>• Check the settings, set lower temperature value</li> <li>• Remove excess food products</li> </ul>
<b>Device emits loud sound</b>	<ul style="list-style-type: none"> <li>• Device is placed on an uneven surface</li> <li>• Device is touching the wall or other objects</li> </ul>	<ul style="list-style-type: none"> <li>• Place the device on an even surface</li> <li>• Ensure sufficient distance from the wall and other objects</li> </ul>

### If you cannot remove the malfunctions:

- do not open the body,
- notify the customer service point or contact the sales agent, while providing the following information:
  - type of malfunction;
  - article and serial number (rating plate at the rear of the device).

The following conditions are not signs of malfunction:

1. The sound of flowing water is heard during the normal operation. It is the refrigerant flowing in the system.
2. **It is normal that steam accumulates on the external glass elements during high air humidity. Wipe steam with soft, dry cloth.**

## 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.**