

100L



700213G

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 Safety instructions

- This device may only be operated in technically proper and safe condition.
- 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.
- Do not move or tilt the device when in operation.
- Only use the device indoors.
- The device is not adapted for use with an external timer or remote control.

- This device may only be operated in technically proper and safe condition.
- Prevent access of children to the package materials like plastic bags and foamed polystyrene elements. **Suffocation hazard!**
- 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 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.
- Never immerse the power cord or plug in water or other liquids; do not place it under running 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! Burn hazard!

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

- During normal operation the compressor surface may be hot. Do not touch it with bare hands.



WARNING! Fire or explosion hazard!

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

- 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.

1.2 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.

1.3 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 cake display is intended **only** for **cooling** cakes, layer cakes and cold snacks.

Do not use the **cake display** for:

- storage of flammable substances or explosive materials, for example ether, petroleum, or adhesives;
- storage of medicinal products or preserved blood 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

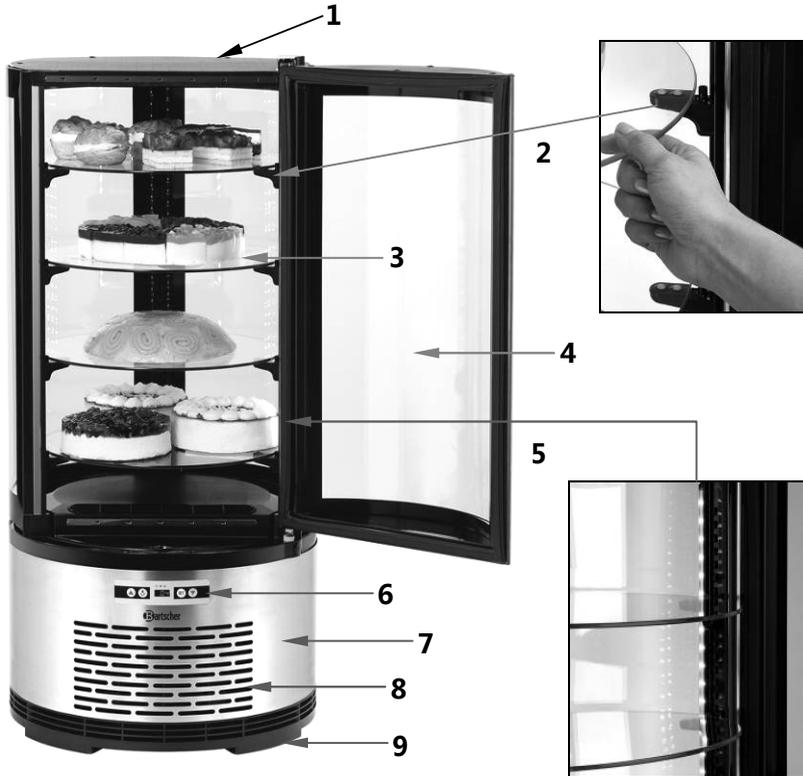
Keep the package closed until installation and under consideration of the outside indicated positioning- and storage markings.

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

4.1 Overview of parts



- | | |
|---|----------------------------|
| 1 Housing | 6 Control panel |
| 2 Glass shelf bracket with a pad | 7 Base |
| 3 Rotatable glass shelf (4) | 8 Ventilation holes |
| 4 Glass door | 9 Feet |
| 5 LED Lighting strip (2) | |

4.2 Technical specification

Name	Cake display show-case 100L
Code-No.:	700213G
Design:	<ul style="list-style-type: none">▪ LED lighting, individually switchable▪ forced air cooling with 1 fan▪ automatic defrost function, condensation water evaporation▪ electronic control, digital display▪ 1 glass door, hinged on the right (no possibility to switch sides)
Material:	stainless steel base, plastic housing with all-round double glass panel, safety glass
Capacity:	100 litres
Working temperature:	2 °C to 8 °C
Ambient humidity:	max. 75 %
Coolant / quantity:	R600a /50 g
Power:	0.23 kW / 220-240 V 50 Hz
Dimensions:	Ø 495 mm, height 1065 mm
Weight:	53.0 kg
Glass shelves (4):	Ø 390 mm, height adjustable, removable

We reserve the right to make technical changes!

5. Installation and operation

5.1 Positioning and connection

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.
- During the device installation keep in mind that the environment temperature should not be lower than 10 °C and higher than 32 °C.
- Do not place the device in places of high air humidity. The excessive humidity may damage the device.
- Place the cake display so that sufficient air circulation is ensured. Keep a distance of at least 10 cm from walls and other objects.
- **Never** cover the ventilation holes of the device.
- Do not bore holes or install other objects in the device.
- Do not place any heavy objects on the device.
- Position the device in such way that the plug is easily accessible for quick disconnecting when required.

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.

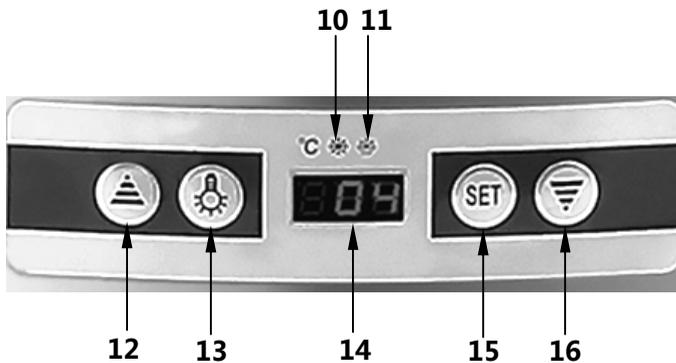
- Before use position the cake display and leave it for at least 2 hours before connecting to the power supply.
- After a power outage or after removing the plug from its socket do not connect the device to a power source for at least 5 minutes.
- The electrical circuit in the socket must be secured 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 of the device

- Clean the device thoroughly after unpacking and before connection, following the instruction in **section 6 „Cleaning“**.
- Mount the glass shelf brackets on the desired height. Place the glass shelves on the installed brackets. Follow the instructions in section **„Glass shelves“**. Close the glass door of the device.
- Connect the device to a single grounded outlet. The digital display will show the temperature value and the LED coolant indicator will come one.
- The device should reach the desired temperature before the food products are placed inside.

Control elements and indicators



- 10** LED cooling indicator
- 11** LED defrost indicator
- 12** **Increase** temperature button
- 13** LED lighting indicator
- 14** Digital display
- 15** Change/save **settings** button
- 16** **Reduce** temperature button

LED Indicators



LED cooling indicator

This indicator **comes on** when the cooling device is active, **goes off** when the desired internal temperature is reached, and **flashes** during delays.



LED defrost indicator

This indicator **comes on** during defrosting, **goes off** when the defrost process is complete and **flashes** during extended defrost.

Setting the desired temperature (desired value)

- The temperature of the device can be regulated between 2 °C and 8 °C
- To set or change the desired value:
 - briefly press the button , the value on the digital display will start flashing;
 - increase or reduce the value as needed using the buttons  or ;
 - confirm the value entered by pressing the button .
- If no button is pressed in the next 10 seconds, the digital display will show the temperature inside the device.

Turning lighting on/off

- The device is equipped with 2 LED lighting strips along the sides of the door frame.
- The internal LED lighting may be turned on by briefly pressing the button .
- To turn the lighting off, press the button  again.

Automatic defrost

The device's automatic defrost cycle runs 4 times every 24 hours.

Manual defrost

If you wish to defrost the device outside its automatic defrost cycle, press and hold the button  for 6 seconds.

The LED defrost indicator  will come on and will flash until the defrost cycle is complete.

The LED defrost indicator  will go off and the next defrost cycle will begin in 6 hours.

Glass shelves



- The cake display is equipped with **4 glass shelves**, which can be
 - ✓ mounted at different height,
 - ✓ rotated,
 - ✓ removed.
- **Changing the height at which the glass shelves are mounted** enables storing in the device of cakes and layer cakes of different height.

- Mount 3 brackets (in the side bars and in the rear bar of the housing) for every glass shelf at the desired height:
 - brackets with 1 pad at the rear,
 - brackets with 2 pads on the right and left side at the front of the cake display showcase.



- Next, place the glass shelves on the brackets.
- Glass shelves **may be rotated** by moving them left or right along the pads on brackets, which makes it easy to put in or take out layer cakes, cakes, snacks, etc., which enables better display of food products.
- Glass shelves are **removable** for easier height adjustment and cleaning, as well as cleaning of the interior of the cake display showcase.

Cooling cakes

- The forced air cooling system with a fan ensures that the temperature inside the cake display is evenly distributed on all levels.
- When the set temperature has been reached inside the device, the LED cooling indicator goes off and the device is ready to hold cakes, layer cakes, snacks etc.
- Open the glass door and place the prepared cakes on the glass shelves.



NOTE!

Do not place warm cakes, layers cakes, snacks etc. inside the cake display, wait until they reach room temperature.

- To reduce energy loss during the cooling process, open the glass door for as short a time as possible.
- After taking out the desired cakes from the cake display, close the glass door.
- If the device is to remain unused for a period of time, disconnect it from the power supply (pull the plug out the socket!).

6. Cleaning



CAUTION!

Before cleaning, disconnect the device from the power supply (pull the plug out of the socket!).

The device is not suited for direct washing with water jets.

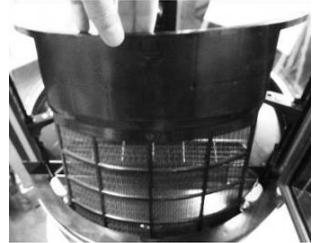
Therefore, you must not use any kind of pressure water jet for cleaning the device!

Make sure no water gets into the device.

- Clean the device thoroughly at the end of the working day.
- Disconnect the device from the power supply (pull the plug from the socket!).
- **Never** use aggressive or coarse cleaning agents such as scouring powder, alcohol, solvents or other substances that could damage the device's surfaces.
- Use a soft, dry cloth for drying and polishing the device.
- Before cleaning open the glass door and remove all food products from the cake display showcase. While cleaning the cake display, store the food in a refrigerator to avoid spoiling it.

- Remove the glass shelves from the cake display showcase and clean them thoroughly with a soft cloth and a disinfectant appropriate for food service applications. After cleaning the glass shelves, rinse them in clean water and then dry thoroughly.
- Clean the interior and exterior of the cake display showcase regularly using an appropriate mild cleaning agent and a soft cloth. Rinse the cleaned surfaces with clean water to remove any leftover cleaning products, then dry the cake display before further use.

- Clean the removable particle filter regularly. It protects the condenser against dust and dirt and is located in the front section of the base.
- Remove the filter by pulling it up (see figure on the right) and clean it with a soft cloth or vacuum cleaner.



- There are two ventilation grilles inside the device which allow for air circulation above the evaporator. Remove and clean ventilation grilles regularly by cleaning them in warm water using an appropriate brush (see figure on the right).



- If condensate has gathered at the bottom of the cake display showcase, remove it with a soft, wet cloth.

If the cake display is to remain unused for a longer period of time:

- disconnect the device from the power supply (pull the plug from the socket!);
- remove all food products from the cake display;
- clean the interior and exterior of the cake display as in the instructions above;
- rinse the device with clean water and thoroughly dry it;

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

The following conditions are not signs of malfunction:

1. The sound of flowing water. This sound is emitted during the normal use and it is the sound of coolant flowing in the device.
2. **Condensation gathering on external glass sides is normal in the increased ambient humidity. Remove the condensation water using a 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.