

**390L**



**700714**

**ENGLISH**  
**Translation**  
**of the original instruction manual**

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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.
- 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.
- 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 cable over carpets or heat insulations. Do not cover the cable. Keep away the cable from operating range and do not dunk it into water.
- Inspect the power cable regularly for damage. Never use the device if the cable is damaged. If the power cable is damaged, have an authorised service center or qualified electrician replace it.
- The device is not adapted for use with an external timer or remote control.
- Do not move or tilt the device when in operation.
- Only use the device indoors.

## 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.



**DANGER!**

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



**WARNING!**

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



**WARNING! HOT SURFACE!**

*This symbol is a warning that the device surface is hot when in use. Ignoring this warning may result in burns!*



**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 Hazard sources



**DANGER!**

**Electric shock hazard!**

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

- Do not use the machine in case of incorrect operation, damages or dropping on the floor. When the cable is damaged it should be replaced by the service company or qualified electrician in order to avoid the hazards.
- 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 plug in water or other liquids.
- 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.



### **DANGER!**

#### **Suffocation hazard!**

- Prevent access of children to the package materials like plastic bags and foamed polystyrene elements.



### **WARNING! HOT SURFACE!**

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

- Due to the discharge of hot air during normal use, the surface of the device may be hot. Do not touch 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.

## 1.4 Proper use



### CAUTION!

**The device has been designed and constructed only for commercial use and should be operated by qualified personnel of restaurants, cafeterias, bars and similar facilities.**

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.

**Multideck refrigerated display case is designed only for cooling food and beverages.**



### 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

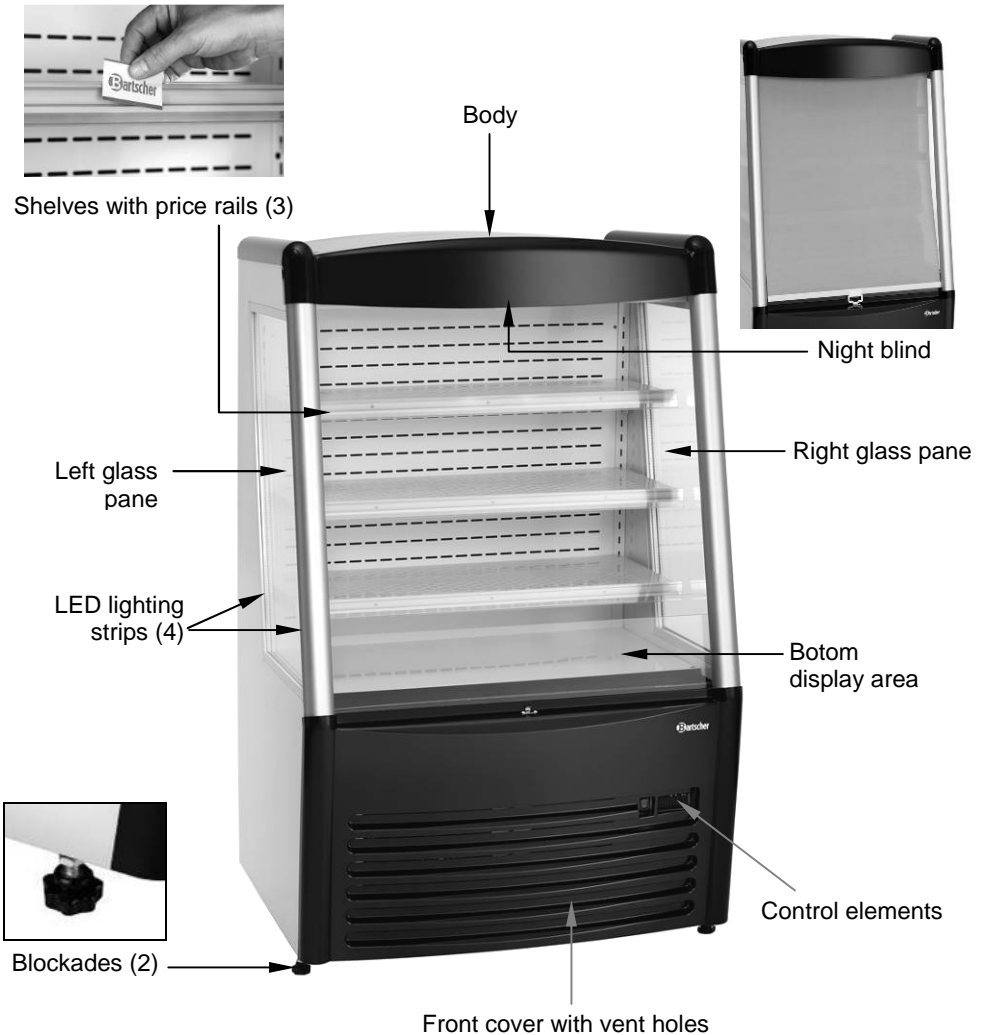
Keep the package closed until installation and under consideration of the outside indicated positioning- and storage markings.

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



## Adjustable shelves of the refrigerated display case



You can:

- **adjust the height**
- **adjust the inclination.**

of the shelves (3) of the device. The height of the shelves can be adjusted individually thanks to the horizontal joints in back wall inside the device, in order to store products of various height.

You can also adjust the inclination of shelves, as required.

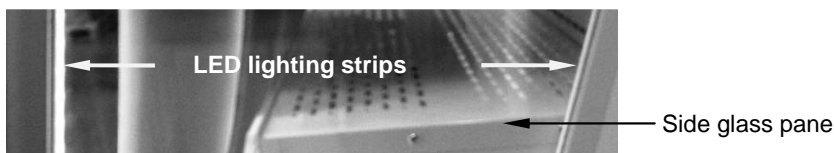
In order to do so, place the right and left bracket in vertical joints in such a way as to achieve the desired inclination.

## Night blind





To reduce the loss of cooling air, roll the night blind down and attach with the hook designed for this purpose.

## LED lighting



The device is equipped with **4 LED lighting strips**. They are installed along the right and left side rail (see: the figure above).

Press the button  for 1 second in order to switch the lighting on; if you press the button  again the lighting is switched off.

## 4.2 Technical specification

Description	Multideck refrigerated display case 390L
Code-No.:	<b>700714</b>
Construction:	<ul style="list-style-type: none"> <li>▪ Plastic body with double-glazed panel Interior: lacquered sheet steel</li> <li>▪ LED lighting</li> <li>▪ Ventilated cooling</li> <li>▪ Automatic defrosting</li> <li>▪ 4 castors, 2 separate brakes</li> </ul>
Capacity:	390 liters
Climate class:	6
Coolant/quantity:	R404a/660g
Temperature range:	2 °C to 10 °C
Power:	1.4 kW / 220-240 V~ 50 Hz
Dimensions:	Device: W 931 x D 826 x H 1493 mm
	Top shelf: W 842 x D 300 mm, Middle and bottom shelves: W 842 x D 352 mm
	Bottom display area: W 876 x D 558 mm
Display area:	1.24 m <sup>2</sup>
Weight:	123.0 kg
Accessories:	1 night blind

We reserve the right to make technical changes!

## 5. Installation and operation

### 5.1 Positioning and connection

#### Positioning

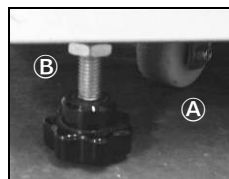
- Before the operation unpack the device and remove all package material and protective foil from the device and equipment.



#### **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 be in the range from 0 °C to 27 °C.
- Position the device in such a way as to ensure free air circulation. Keep a distance of at least 10 cm from the walls and other objects.
- **Never** cover or block the vent holes in the front and rear wall of the device.
- **Do not place** the device in the places with high humidity. Relative humidity in the place when the device is installed should not exceed 70 %. Excessive humidity may affect the device's cooling performance.
- The device can be moved and placed in the desired location using **4 castors** Ⓐ (see: figure on the right).
- Finally, secure the multideck refrigerated display case with **2 blockades** Ⓑ, front right and left one, unscrewing them in such a way as to ensure that they firmly rest on the floor.
- Before the operation unpack the device and remove all package material and protective foil from the device and accessories.
- Position the device in such a 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 connecting the device to the power supply during the first use, position the device and leave it for at least 2 hours for the coolant to flow down.
- 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.

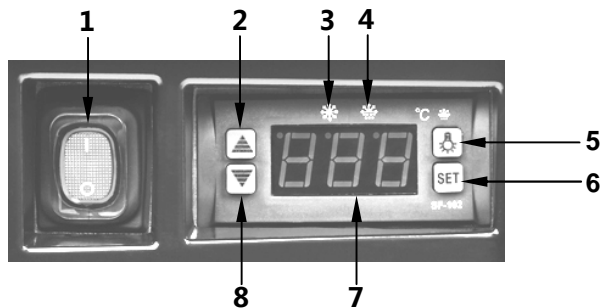
## 5.2 Operation

### Preparations

- Before use, clean the device and accessories following the instructions in section 6 **“Cleaning and maintenance”**.
- Attach the shelves at the desired height and inclination appropriate for displaying food products.
- Roll the night blind down and secure it with the hook.
- Connect the device to a grounded outlet and switch on using the **ON/OFF** switch. Green power indicator in the switch will come on.
- The digital display will show the temperature value and the LED cooling indicator “❄” will come on.
- To set a different temperature than the factory pre-set temperature, follow the instructions presented in the section **„Setting the desired temperature (desired value)”**. The temperature in the multideck refrigerated display case can be read on the digital display on the front panel of the device.
- When the temperature inside the device reaches the set value, the LCD cooling indicator goes off and the device is ready for placing food products.

### Control elements, button functions, indicators

- **Digital temperature regulator and ON/OFF switch are located on the operational side (front side) of the device.**



- |                                      |   |
|--------------------------------------|---|
| 1 <b>ON/OFF switch</b>               | 5 Lighting button                       |
| 2 <b>Increase</b> temperature button | 6 <b>„SET”</b> - settings adjust button |
| 3 LCD cooling indicator              | 7 Digital display                       |
| 4 LCD defrost indicator              | 8 <b>Decrease</b> temperature button    |

## LCD indicators



### LCD cooling indicator:





The indicator **is lit continuously** during the cooling process, **it remains off** when the temperature in the cooling chamber is stable and **flashes** during the activation delay mode.



### LCD defrost indicator:

This indicator **comes on** during the defrosting process, **goes off** when the defrosting process is completed, **flashes** during the activation delay mode.

## Setting the desired temperature (desired value)

- The optimum temperature has been set at the factory and corresponds to the working temperature in the multideck refrigerated display case in the range from ca. 2 °C to 10 °C.
- To set or change the desired value:
  - Briefly press the button , the value of temperature on the digital display will start flashing;
  - Increase or decrease 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 8 times every 24 hours.

## Manual defrost

When the cooling performance of the device deteriorates, it is necessary to perform the manual defrosting.

Press the manual defrost button  and hold it pressed for 6 seconds to perform immediate defrosting. The LCD defrost indicator „“ will come on. The next defrost cycle will start in 3 hours.

### Tips for the user

- Keep the stored foods and beverages at appropriate distance from each other. Otherwise the cooling performance may deteriorate.



#### NOTE!

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

- Take out the food products from the refrigerated display only when and as needed.
- In the event of a sudden power outage, roll the night blind down in order to reduce the loss of cooling air.
- If the device is to remain unused, switch it off with **ON/OFF** switch and disconnect it from the power supply (pull the plug out of the socket!).

## 6. Cleaning and maintenance



#### 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.**

### Regular cleaning by the staff

- Clean the multideck refrigerated display case regularly.
- Remove all food products from the display and store them in the refrigerator during the cleaning to keep them fresh.
- Clean the side glass panes, rear wall, shelves and the display area using a cloth with warm water with the addition of mild cleaning agent. Then wipe with a cloth with clean water.
- Clean the body of the device with a soft moist cloth.
- Finally, thoroughly dry all the cleaned surfaces.



#### CAUTION!

**Never use hot water to clean the device!**

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



**If the multideck refrigerated display case is to remain unused for longer period of time:**

- pull the device's plug from the socket;
- remove all food products and beverages from the refrigerated display;
- clean the multideck refrigerated display case, as in the instructions above;
- leave the night blind open until the device has completely dried.

## **Periodical maintenance by the qualified personnel**

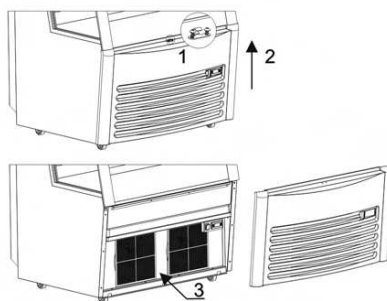
- o Qualified personnel must periodically check the reliable operation of temperature sensors and regulators.
- o Make sure that the electrical connection at the place of connection has not become loose.

### **Clean the dust filter and condenser**

- o In order to keep the device in the impeccable condition, periodically clean the **dust filter and condensers** (at least once a month).  
A dirty condenser has a negative impact on the operation of the device and increases power consumption.
- o When „EE4“ appears on the digital display, clean the dust filter immediately.

Remove the dust filter as shown on the figure on the right side and according to the instructions below:

1. Loosen the screws of a hook for the night blind with a screwdriver and remove the hook.
2. Raise slightly the front cover and remove it from the device.
3. Finally, remove the dust filter from the mounting brackets.



- o Clean the dust filter with a soft cloth or vacuum cleaner. If the dust filter is clogged you can clean it under the warm water with a mild cleaning agent. Dry thoroughly afterwards.
- o Remove dust and dirt deposits from the condensers' exterior with a dry soft brush or vacuum cleaner. **Never clean the condensers with water!**
- o Install the cleaned dust filter and attach the front cover. Then tighten the removed screws of the hook for the night blind in the intended places.
- o If „EE4“ appears on the digital display after cleaning, contact your sales agent.

## 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>• Loss of coolant</li> <li>• Damaged temperature regulator</li> </ul>	<ul style="list-style-type: none"> <li>• Contact the sales agent</li> <li>• Contact the sales agent</li> </ul>
<b>Insufficient cooling capacity</b>	<ul style="list-style-type: none"> <li>• Damaged fan</li> <li>• Device is too close to the heat source or direct sunlight</li> <li>• Frozen evaporator</li> <li>• Poor air circulation around the device</li> <li>• Vent holes of the device are covered with products</li> </ul>	<ul style="list-style-type: none"> <li>• Contact the sales agent</li> <li>• Ensure sufficient distance to heat sources</li> <li>• Perform defrosting</li> <li>• Ensure sufficient distance from walls and other objects</li> <li>• Distribute products in the device in such a way as to guarantee proper air circulation</li> </ul>
<b>During normal operation the stored products are not cooled properly</b>	<ul style="list-style-type: none"> <li>• The draught has a negative impact on cooling with ventilated air</li> <li>• Ambient temperature is too high</li> </ul>	<ul style="list-style-type: none"> <li>• Remove the reason of draught</li> <li>• Make sure that the temperature at the place where the device is used is lowered</li> </ul>
<b>Water from defrosting is overflowing</b>	<ul style="list-style-type: none"> <li>• Damaged heating</li> <li>• Damaged water level indicator</li> </ul>	<ul style="list-style-type: none"> <li>• Contact the sales agent</li> <li>• Contact the sales agent</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. This sound is emitted during the normal use and it is the sound of coolant flowing in the device.
2. **Condensation gathering on 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.**

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