



700.230

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1. General information

1.1 Information about the instruction manual

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.

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.

Please follow the instructions very carefully and proceed with particular attention in these cases.



WARNING! Electrical hazard!

This symbol draws attention to potential electrical hazards. If you do not follow the safety instructions, you may risk injury or death.



CAUTION!

This symbol highlights instructions, which should be followed to avoid any risk of damage, malfunctioning and/or breakdown of the device.



NOTE!

This symbol highlights tips and information, which have to be followed for an efficient and trouble-free operation of the device.

1.3 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. If you have any questions, you should contact the manufacturer.



NOTE!

Read the instruction manual carefully before using the device. The manufacturer does not accept liability for any damage or malfunction resulting from not following the instructions for use.

The instruction manual should be kept near the device, easily accessible for anyone wishing to work with or using it. We reserve the right to make technical changes for purposes of developing and improving the useful properties.

1.4 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.

1.5 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.

2. Safety

This section provides an overview of all important safety aspects.

In addition every chapter provides precise safety advice for the prevention of dangers which are highlighted by the use of the above mentioned symbols.

Furthermore, attention should be paid to all pictograms, markers and labels on the device, which must be kept in a permanent state of legibility.

By following all the important safety advice you gain an optimal protection against all hazards as well as the assurance of a safe and trouble-free operation.

2.1 General Information

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

Knowing the contents of the instruction manual as well as avoiding mistakes and thus operating this device safely and in a fault-free manner is very essential to protect yourselves from the hazards.

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.

This device may only be operated in technically proper and safe condition.

2.2 Safety instructions for use of the device

The specifications regarding the industrial safety are based on the Regulations of the European Union applicable at the time of manufacturing the device.

If the device is used commercially, the user is obliged to ensure that the said industrial safety measures concur with the state of the rules and regulations applicable at the time in question for the entire period of use of the device and to comply with the new specifications.

Outside the European Union, the industrial safety laws applicable at the place of installation of the device and the regional territorial provisions must be complied with.

Besides the industrial safety instructions in the instruction manual, the general safety and accident prevention regulations as well as environment protection regulations applicable for area of application of the device must be followed and complied with.



CAUTION!

- 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.
- Preserve this manual safely. When passing on/selling the device to a third party, the manuals must be handed over along with the device.
- Every person using the device must act in accordance to the manuals and under consideration of the safety advice.
- The device is to be used indoors only.

2.3 Intended use

Safe operation is only guaranteed when using the device for its intended purpose.

Any technical interventions, as well as assembly and maintenance are to be made by a qualified customer service only.

The refrigerated display case is intended only for **cooling** food products 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.

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

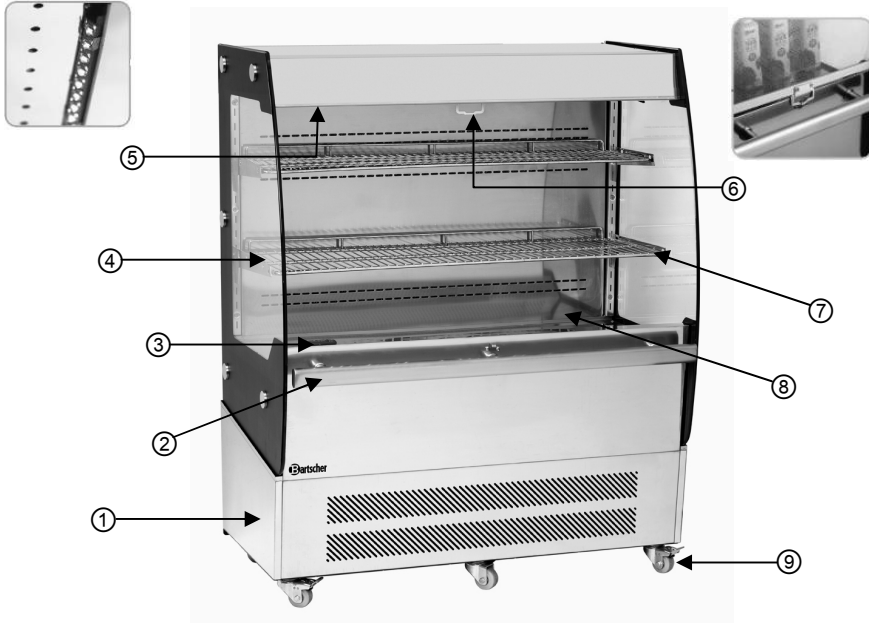
Keep the package closed until installation and under consideration of the outside indicated positioning- and storage markings.

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 Casing
- ② Handle
- ③ Digital temperature regulator
- ④ Glass sides
- ⑤ LED lighting
- ⑥ Night blind
- ⑦ Adjustable grid
- ⑧ Lower shelf
- ⑨ Rotating wheels

4.2 Technical specification

Name	Refrigerated display case 200L
Article no.:	700.230
Material:	front: stainless steel, sides: glass
Wheels:	6 rotating wheels, 2 rotating wheels with brake
Capacity:	200 litres
Coolant / volume:	R404a / 630 g
Thermal class:	6
Temperature range:	2 – 10°C
Power:	230 V 50 Hz 1340 W
Dimensions:	W 1020 x D 600 x H 1024 mm
Dimensions:	adjustable grids: W 950 x D 240/320 mm lower shelf: W 965 x D 340 mm
Weight:	120.0 kg
Equipment:	2 adjustable grids, 1 night blind

We reserve the right to make technical changes!

5. Installation and operation

5.1 Safety instructions



WARNING! Electrical hazard!

The device must only be connected to a properly installed single socket with protective contact.

Never yank cord to disconnect from outlet.

Cable must not touch any hot parts.

- See that the cable does not touch any heat sources or sharp edges. Do not let the cable dangle over the counter edge.
- Do not use the device in case it does not function properly, has been damaged or dropped.
- 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.

- 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.
- Do not move or tilt the device when in operation.



WARNING! Hazard via electrical current!

The device can cause injuries due to improper installation!

Before installation the local power grid specification should be compared with that of the device (see type label).

Connect the device only in case of compliance!

Take note of the security advice!

5.2 Installation and connection

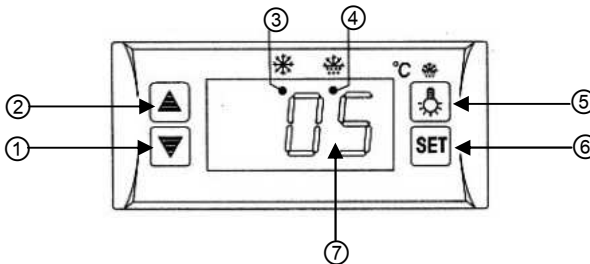
- Discard the complete packing material after unpacking the device.
- Place the device on top of an even and safe surface which supports the weight of the device.
- Not **at any time** should you place the device on an inflammable surface.
- **Do not** place the device in the vicinity of open sources 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.
- Do not place the device where humidity or temperature are high as the device may be damaged.
- Before the first use the unit should stand for at least 2 hours before it is connected to the power source.
- Do not drill holes in the device nor mount other objects to it.
- 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.
- Place the device so that the plug is easily accessible and can be quickly removed from its socket in case of necessity.

5.3 Operating

- Prior to first use, wash the interior and exterior of the unit with a soft, moist cloth and mild cleaning agent. Dry thoroughly after washing.
- Connect the unit to a grounded single outlet.
- Close the night blind and allow the unit to reach the desired temperature before placing food products or beverages inside.




Digital temperature regulator


- The temperature regulator is located at the front of the unit, on the left side.





- ① **Lower** temperature button
- ② **Raise** temperature button
- ③ LCD compressor control light (cooling)
- ④ LCD defrost control light
- ⑤ Lighting button
- ⑥ Settings button
- ⑦ Display

- The primary temperature is pre-set at the factory, and is set to ensure a working temperature range of approx. 2°-10°C.
- To change temperature settings, proceed as follows:

- Press  to display the current temperature.
- Press  or  to adjust the temperature.

- Press  to complete setup and display the internal temperature.
- If no button is pressed within the next 10 seconds, the internal temperature will appear on the digital regulator display.

Lighting

- The unit is equipped with LED lighting. It is located under the unit's upper shield.
- To activate the unit's lighting, press „“ for one second. Pressing „“ again will deactivate the lighting.

LED control lights



LED compressor control light (cooling):

The control light comes on during cooling, goes off when the temperature inside the chamber is stable, and flashes when there is a delay in activating the cooling.





LED defrost control light:

The control light comes on during defrost, goes off when defrost is completed, and flashes when there is a delay in the defrost process.

Automatic defrost

The unit automatically defrosts 4 times every 24 hours.

Manual defrost

If cooling power decreases, manual defrost must be performed. To begin manual defrost, press „“ and hold for 6 seconds. The LED control light „“ will come on.



NOTE!

To change other settings or parameters, information on doing so is contained in the attached documentation of temperature control. Such changes can also be performed by a qualified technician.

Tips for the user

- Proper distance should be kept between food products and beverages inside the unit. Too small a space between food products and beverages has a negative impact on cooling.
- Before placing warm products inside the unit, allow them to cool to room temperature.
- In the event of power outage, close the night blind to reduce cold loss.
- After a power outage or removal of the plug from its socket, do not connect the unit to a power source for at least 5 minutes.

6. Cleaning and maintenance

6.1 Safety advice

- Before beginning with repair or cleaning works make sure the device has been disconnected from power socket (pull the power plug!!!) and has cooled down.
- Do not use any acid agents and make sure no water ingresses the device.
- To protect yourself from electric shock, **never** immerse the device, its cables and the plug in water or other liquids.



CAUTION!

The device is not suited for direct washing via water jets. Therefore, you must not use any kind of pressure water jet for cleaning the device!

6.2 Cleaning

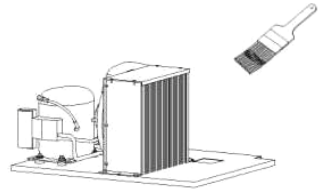
- Clean the refrigerated display case regularly.
- Wash the adjustable grids and lower shelf with a soft cloth and mild cleaning agent. Rinse with clean water.
- Wash the casing with a moist cloth.
- Never use harsh cleaning substances such as scouring power, alcohol, solvents or other such substances that may damage the unit's surface.
- Use only soft cloths, **never** use harsh cleaners that may scratch the unit's surface.
- After washing, use a soft, dry cloth for drying and polishing the unit's surface.

If the refrigerated display case is to remain unused for a long period of time:

- remove the unit's plug from its socket;
- remove all food products and beverages from the refrigerated display case;
- wash the inside and outside of the refrigerated display case. Remove all water and traces of mould;
- leave the night blind up to allow the unit to cool.

Cleaning the capacitor

- Clean the capacitor at least once a month.
- Use a **dry** brush or vacuum to remove dirt and dust from the external surface of the capacitor, which is located at the rear of the unit.



CAUTION!

Never wash the capacitor with water!



NOTE!

A dirty capacitor has a negative effect on the unit's functioning and increases energy consumption!

- Wear protective gloves while cleaning.



WARNING! Danger of burns!

***The compressor's surface can be very hot during normal use.
Never touch the surface of the compressor with bare hands.***

6.3 Safety instructions for maintenance

- Check the mains connection cable for damage from time to time. Never operate the device when the cable is damaged. A damaged cable must immediately be replaced by customer service or a qualified electrician to avoid dangers.
- In case of damage or malfunction, please contact your stockist or our customer service centre. Pay attention to the troubleshooting tips in pt. 7.
- 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.**

7. Possible Malfunctions

Problem	Cause	Solution
No cooling	<ul style="list-style-type: none"> • Plug not in socket. • Circuit failure. • Lack of electricity • Improperly set temperature. 	<ul style="list-style-type: none"> • Insert plug properly. • Check power source. • Check power source. • Set temperature properly.
Insufficient cooling	<ul style="list-style-type: none"> • Direct sunlight or heat source nearby. • Improper air circulation around the refrigerated display case. • Too little space between objects in the cooler or too many items stored. 	<ul style="list-style-type: none"> • Take device away from heat source. • Check distance from walls or other objects. • Remember to keep proper distance between bottles, remove unneeded objects
Device functions loudly.	<ul style="list-style-type: none"> • Refrigerated display case is on an uneven surface. • Refrigerated display case is touching wall or other objects. 	<ul style="list-style-type: none"> • Place the refrigerated display case on an even surface. • Leave proper distance between cooler and other objects.
Compressor fails to come on automatically.	<ul style="list-style-type: none"> • Refrigerated display case is overfull. 	<ul style="list-style-type: none"> • Remove unnecessary objects.

The above described problem cases are given for orientation and as examples. Should these or similar problems occur, please turn off the machine immediately and don't use it anymore. In order to check and repair your machine, please contact a qualified expert or the manufacturer immediately.

The following events are not indicators of malfunction:

1. The sound of running water. This is normal when the unit is functioning properly. It is coolant flowing through the cooling system.
2. Condensation forming on the glass side walls during periods of high humidity is normal. Wipe with a 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.



NOTE!



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

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