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Read this instruction manual before using and keep it available at all times!

This instruction manual contains information about installation, operation and maintenance of the appliance and constitutes an important source of information and reference guide. The knowledge of all operational and safety instructions included in this manual is a prerequisite for safe and proper handling of the appliance. Additionally, accident prevention, occupational health and safety, and legal regulations in force in the area the appliance is used apply.

Before you start using the appliance, especially before turning it on, read this instruction manual in order to avoid personal injuries and property damages. Improper use may cause damage.

This instruction manual forms an integral part of the product and must be stored in an immediate vicinity of the appliance and be available at all times. The instruction manual should be transferred together with the appliance.

1 Safety

This appliance has been manufactured in accordance with technical standards currently in force. However, the appliance may be a source of hazards if used improperly or contrary to its intended purpose. All persons using the appliance must consider information included in this instruction manual and observe safety instructions.

1.1 Explanation of Signal Words

Important safety instructions and warning information are indicated in this instruction manual with appropriate signal words. You must strictly follow the instructions, to prevent accidents, personal injuries and property damages.



DANGER!

The signal word **DANGER** warns against hazards that lead to severe injuries or death if the hazards are not avoided.



WARNING!

The signal word **WARNING** warns against hazards that may lead to moderate or severe injuries or death if the hazards are not avoided.



CAUTION!

The signal word **CAUTION** warns against hazards that may lead to light or moderate injuries if the hazards are not avoided.

IMPORTANT!

The signal word **IMPORTANT** indicates possible property damages, which may occur if safety instructions are not observed.

NOTE!

The symbol **NOTE** indicates subsequent information and guidelines for the user on usage of the appliance.

1.2 Safety instructions

Electrical Current

- Too high a mains voltage or incorrect installation may cause electric shock.
- The appliance may be connected only if data on the rating plate correspond with the mains voltage.
- To avoid short-circuit, the appliance should be kept dry.
- If there are malfunctions during operation, disconnect the appliance from the power supply.
- Do not touch the appliance's plug with wet hands.
- Never take hold of the appliance if it has fallen into water. Immediately disconnect the appliance from the power supply.
- Any repairs or housing opening may be carried out by professionals and relevant workshops only.
- Do not transport the appliance, holding it by the power cord.
- Do not allow the power cord to come into contact with heat sources or sharp edges.
- Do not bend, pinch nor knot the power cord.

- Always completely unwind the power cord.
- Never place the appliance or other objects on the power cord.
- Always take hold of the plug to disconnect the appliance from the power supply.
- 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.

Fire hazard / flammable materials hazard / explosion hazard!

- Do not use any electric devices in the appliance.
- Do not store nor use petrol or other flammable liquids and gases in the vicinity of this or any other appliance. Those gases may cause fire or explosion hazard.
- Do not put into the appliance any explosive materials, like sprays filled with flammable propellants. Contents of containers filled with flammable gases and liquids may leak in low temperatures, and the contents may catch fire from sparks generated by an electric appliance. Explosion hazard!
- In the case of coolant leakage, pull the plug from the socket. Remove all sources of ignition in the vicinity, ventilate room and contact technical service. Avoid coolant getting in contact with eyes, as it may cause serious eye damage.
- Never use any flammable liquids for cleaning the appliance or its parts. Gases released may cause fire or explosion hazard.
- In the case of fire, disconnect the appliance from the power supply before attempting adequate fire-extinguishing actions.
- Never attempt to extinguish fire with water if the appliance is connected to the power supply. Following extinction of fire, ensure sufficient fresh air inflow.
- Defrosting process may not be sped up with mechanical means or heat energy sources (candles or heaters) nor with any other means. Vapour produced may cause short-circuit and too high temperatures may damage the appliance.
- All ventilation slots should not be obstructed during operation.
- Never attempt to damage cooling installation of the appliance.

Safety

Operating Personnel

- The appliance may only be operated by qualified personnel and trained specialist personnel.
- This appliance may not be operated by persons (including children) with limited physical, sensory or mental capabilities, nor by persons with limited experience and/or limited knowledge.
- Children should be supervised to ensure that they are not playing with or switching on the appliance.

Improper Use

- Unintended or prohibited use may cause damage to the appliance.
- The appliance may only be used when its technical condition is flawless and allows for safe operation.
- The appliance may only be used when all connections are executed according to rules of law in force.
- The appliance may only be used when it is clean.
- Use only original spare parts. Never attempt to repair the appliance on your own.
- Do not introduce any changes in the appliance nor modify it.

- Do not drill hole in the appliance nor install any objects on it.
- Do not place any heavy objects on the appliance.

1.3 Intended Use

As described below, every use of the appliance for a purpose differing and/or diverging from its intended standard use, is prohibited and considered to be an unintended use.

The following is an intended use:

- Cooling of beverages and food products.

The appliance is intended for operation in maximum ambient temperature of 30 °C and relative humidity of 70%.

1.4 Unintended Use

An unintended use may lead to personal injuries or property damages caused by hazardous voltage, fire or high temperature. The appliance may only be used to perform tasks described in this instruction manual.

The following is an unintended use:

- Storing flammable or explosive objects and liquids, such as ether, petroleum or adhesives.
- Storing explosive materials, like sprays filled with flammable propellants.
- Storing pharmaceutical products or preserved blood.
- Storing live pets.

2 General information

2.1 Liability and Warranty

All information and instructions in this instruction manual account for legal regulations in force, current level of technical engineering knowledge as well as our expertise and experience, developed over the years. If special models or additional options are ordered, or state-of-the-art technical solutions were implemented, the actual scope of delivery of the appliance may, in some circumstances, differ from descriptions and numerous drawings in this instruction manual.

The manufacturer is not liable for any damages nor faults stemming from:

- failure to observe instructions,
- unintended use,
- technical alterations introduced by the user,
- usage of unapproved spare parts.

We reserve the right to introduce technical modifications to the product, intended for improvement of the appliance and its performance.

The warranty period for this appliance is 24 months, counted from the purchase date.

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2.2 Copyright Protection

This instruction manual, and texts, drawings and images included in it, as well as its other components are copyright protected. It is prohibited to reproduce this instruction manual (including its excerpts), in any form and by any means, and to use and/or transfer its content to third parties without manufacturer's written permission. Violation of the above results in obligation to pay compensation. We reserve the right to claim further damages.

2.3 Declaration of Conformity

The appliance meets the currently applicable standards and guidelines of the European Union. We confirm the above in the EC Declaration of Conformity. We may provide relevant Declaration of Conformity upon request.

3 Transport, Packaging and Storage

3.1 Delivery Check

Immediately upon reception, check the delivery for completeness and possible shipping damage. In the case of visible transport damage refuse to accept the appliance or accept it conditionally. Mark and note the scope of damage in shipping documents/consignment list of the shipping company and lodge a complaint.

Concealed damage must be reported immediately upon its discovery, as compensation claims may only be filed within applicable time limits.

If you find that parts or accessories missing, please contact our Customer Service Department.

3.2 Packaging

Do not dispose of the appliance cardboard box. It may be used to store the appliance when relocating or when shipping the appliance to our service point in the case of any damages.

The packaging and its elements are made of recyclable materials. Particularly, these are: plastic films and bags, cardboard box.

When disposing of the packaging, observe applicable domestic regulations. Recyclable packaging materials should be recycled.

3.3 Storage

Leave the packaging closed until installation of the appliance; observe external indications concerning method of placing and storage. Store the packaging in the following conditions only:

- in closed rooms;
- in dry and dust-free surrounding;
- away from aggressive agents;
- in a location protected against sunlight;
- in a location protected against mechanical shocks.

In the case of extended storage (over three months), make sure you check the condition of the packaging and the parts regularly. If needed, replace the packaging with a new one.

4 Technical Data

4.1 Technical Specifications

Name:	Mini refrigerated showcase 78L-WE/L
Art. No.:	700978
Material:	plastic, glass
Display area material:	stainless steel
Display area dimensions (W x D), in mm:	450 x 400
Volume in litres:	78
Temperature range, min.–max., in °C:	2 - 6
Coolant:	R600a / 0,040
Climate class:	4
Number of shelves:	3
Energy efficiency class:	C (EU Nr. 2019/2018)
Energy consumption, in kWh/year:	1610
Shelves dimensions (W x D), in mm:	355 x 305
Power supply:	0,17 kW 230 V 50 Hz
Dimensions (W x D x H) in mm:	450 x 405 x 1030
Weight in kg:	36,0

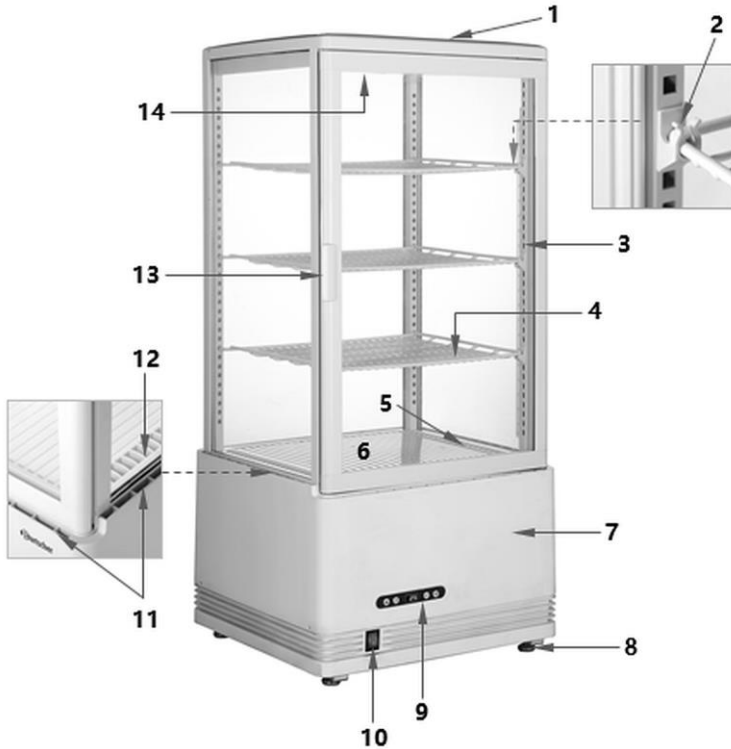
We reserve the right to implement technical modifications!

Version / Characteristics

- Type of glazing: double glazing
- Front pane: cased / framed
- Type of shelves: grille
- Height-adjustable shelves
- Internal usable height: variable
- Cooling: circulating air
- Temperature control: digital
- Automatic defrost function
- Evaporation of condensed water
- Internal lighting: LED, output: 11 W; location: ceiling
- Door type: leaf door, glass
- Door position: operator side
- Right-hand side door, with no possibility for door hinge to be changed
- Digital display
- Control: electronic
- ON/OFF switch
- Features: no steamed up windows in environments with high humidity

More information on the appliance is available in our website www.bartscher.com or, pursuant to the Regulation (EU) 2019/2018, in our product data base at <https://energy-label.ec.europa.eu/>. Enter article number for a given model.

4.2 List of Components of the Appliance



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Fig. 1

- | | |
|--|----------------------------------|
| 1. Upper cover | 2. Shelf support |
| 3. Bearing rails | 4. Shelves (3x) |
| 5. Internal air inlet openings | 6. Lower display area |
| 7. Housing | 8. Feet (4x) |
| 9. Control panel | 10. ON-/OFF switch |
| 11. Ventilation openings preventing fogging up | 12. Internal air outlet openings |
| 13. Glass door with handle | 14. LED lighting |

4.3 Functions of the Appliance

Thanks to circulation of cold air inside the appliance, beverages and food products are chilled to the required temperature in the range of 2°C – 6°C and kept cool.

5 Installation and operation

5.1 Installation



CAUTION!

Incorrect installation, positioning, operation, maintenance or misuse of the appliance may lead to personal injury or property damage.

Positioning and installation, as well as repairs may be performed by authorised technical service only and in compliance with the applicable national law.

NOTE!

The manufacturer disclaims all liability and provides no warranty for damages, which may be attributed to non-observance of regulations or incorrect installation.

Unpacking / Positioning

- Unpack the appliance, remove all external and internal packaging elements and shipment safeguards.



CAUTION!

Choking hazard!

Prevent children from accessing package materials, for instance: plastic bags and EPS.

- If the appliance is covered with a protective film, remove it. Remove the film slowly, so no glue residues are left. Remove any glue residues with the use of a suitable solvent.
- Be careful not to damage the rating plate and warning labels fixed on the appliance.
- **Never** place the appliance in humid or wet environment.

Installation and operation

- Place the appliance in a way making the connections easily accessible, so that they may be quickly disconnected if such a need arises.
- The appliance should be placed on surfaces that are:
 - even, with sufficient bearing capacity, resistant to water, dry and resistant to high temperatures;
 - sufficiently large, and thus enabling usage of the appliance with no problems;
 - easily accessible;
 - well ventilated.
- Leave at least 10 cm clearance from walls and other objects.
- The appliance should be installed only in rooms, in which ambient temperature falls in the range of 10°C – 30°C.
- Do not position the appliance in high humidity locations. Air relative humidity should not exceed 70%.
- Do not place the appliance in direct sunlight or in the vicinity of heat sources (cooker, radiator, heating devices, etc.). Heat sources may negatively affect power consumption, and restrict functions of the appliance, too.
- In order to avoid compressor's damage, do not tilt the appliance more than 45° when positioning or transporting it.

Power supply connection

- Verify if technical data of the appliance (see rating plate) correspond with the local electric power grid specification.
- Connect the appliance to a single, properly grounded mains socket with protective contact. Do not connect the appliance to a multi-socket.
- The power cord should be laid in a way preventing anyone from threading on it or tripping against it.
- Prior to first use, the appliance should be installed and left standing upright for at least 2 hours, before it is connected to power supply.
- After a power failure or when the plug is removed from the socket, do not reconnect the appliance to power supply for at least 5 minutes.

5.2 Operation

Tips for the User

- Shelves may be positioned at various heights. Arrange them adequately to the size of beverage and food product containers, so that the inner space of the appliance is used optimally.
- Beverages and food products in suitable containers should be arranged on the shelves so that proper distances between them allow for sufficient air circulation inside the appliance. Insufficient distances hinder the cooling effect.
- Do not place warm food dishes in the appliance; cool them down to ambient temperature first.
- To limit loss of cold air minimize the opening time of door during operation.
- If possible, in the event of a sudden power failure, avoid opening doors in order to avoid loss of cool air.

Preparation of the Appliance

1. Prior to first operation, clean the appliance and its equipment according to instructions in section **6 “Cleaning”**.
2. Finally, dry the appliance and accessories thoroughly.
3. At a required height, place supports on guide rails and insert shelves.
4. Close the appliance door.
5. Connect the appliance to a single grounded socket.
6. Switch the appliance on with the ON/OFF switch located at the service side.

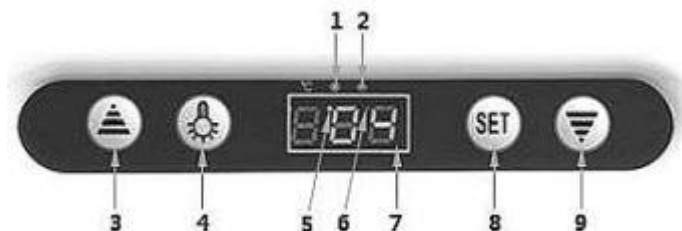
The red indicator light integrated with the ON/OFF switch will come on.

The appliance will be cooled down to the factory preset temperature.

The digital display shows the current temperature inside the appliance, and LED cooling indicator lights up; it remains on over the entire cooling cycle.

7. Beverages and food products should be placed in the appliance only when it reaches the right temperature.
8. If needed, the temperature may be altered with digital temperature control regulator buttons.

Digital temperature regulator



1. Cooling indicator symbol
2. Defrost indicator symbol
3. Temperature increase button
4. LED lighting button
5. LED cooling indicator
6. LED defrost indicator
7. Digital display
8. SET function button
9. Temperature decrease button

LED indicators



LED cooling indicator

This indicator **is lit** over cooling process; it remains **off** as long as the cooling temperature remains at constant level; **flashes** during switch on delay.







LED defrost indicator

This indicator **is lit** over defrosting process; it **goes off** when the defrosting process is finished; **flashes** during defrost delay.

Setting Operation Parameters

Operation temperature of the appliance is in the range of 2 °C – 6 °C.



The set temperature may be changed in the following way:

- press  button shortly; the set value will start to flash immediately.
- use  or  buttons to increase or decrease temperature value.
- use  button to confirm the set temperature value.

If no button is pressed within the next 10 seconds, the digital display will show current temperature inside the appliance.

Switching Lighting ON/OFF

The appliance is equipped with LED lighting. It is located in internal compartment ceiling.

1. If needed, press  button shortly to switch on the lighting.
2. Press  button again, to switch the lighting off.

NOTE!

If additional parameter settings are to be changed, contact technical service.

Fogging up Prevention Function

The appliance features ventilation openings preventing fogging up, which are arranged around the appliance, between the stand and glass showcase. Such an air distribution should prevent fogging up of the glass showcase in high ambient temperatures and high air humidity.


Warm air fanned out of the appliance is directed through these ventilation openings onto glass panes and doors, reaching their full height.

Automatic Defrosting

Automatic defrosting is configured automatically and is executed 4 times per 24 hours.

Manual Defrosting

If cooling efficiency drops (e.g. after a longer period of door opening) or if defrosting needs to be executed following another schedule than the factory default one, there is a possibility of manual setting of defrost function.

1. Press  button and hold it pressed for 6 seconds, to initiate instant defrosting.

The  LED indicator light lights up.

Switching the Appliance Off

1. If the appliance is not to be used any more or is scheduled for cleaning, it should be switched off with the ON/OFF switch.
2. Disconnect the appliance from the mains socket (pull the plug out).

6 Cleaning

6.1 Safety Instructions for Cleaning

- Before cleaning, disconnect the appliance from the power supply.
- Leave the appliance to cool down completely.
- Make sure water does not enter the appliance. Do not immerse the appliance in water or other liquids during cleaning. Do not clean the appliance with a pressurized water jet.
- Do not use any sharp or pointed, nor metal implements (knife, fork, etc.). Sharp or pointed implements may damage the appliance, and when in contact with live parts, they may cause electric shock.
- For cleaning, do not use any scouring agents that contain solvents nor corrosive cleaning agents. They may damage the surface.

6.2 Cleaning

1. At the end of a working day clean the appliance thoroughly.
2. Remove all objects from the appliance.
3. Remove all shelves from the appliance.
4. Clean the shelves with warm water and soft cloth or sponge. Use mild cleaning agent if required.
5. Rinse the shelves with clean water and dry thoroughly with soft cloth.
Note: Never use hot water to clean the appliance.
6. Clean the appliance inside with warm water and soft, moistened cloth. Use mild cleaning agent if required.
7. Wipe the washed surfaces with a cloth moistened in clean water.
8. Wipe the appliance housing and glass door with frame with a soft, moistened cloth.
9. Finally, dry thoroughly all washed surfaces.
10. Leave the door open for the appliance to dry completely.

7 Possible Malfunctions

The table below contains descriptions of possible causes and solutions to malfunctions or errors during operation of the appliance. When malfunction cannot be removed, contact the technical service.

In such a case, provide article number, model name and serial number. These data may be found in the rating plate.

Possible Malfunctions

Malfunction	Possible reason	Solution
No cooling.	The plug is not properly connected to the socket.	Remove the plug and insert it properly in the socket.
	Electric power supply safety fuse damaged.	Check the fuse, connect the appliance to another socket.
	No power supply.	Check the electric power supply.
Insufficient cooling efficiency.	Direct sunlight or heat sources in immediate vicinity.	Move the appliance away from heat sources.
	Poor air circulation around the appliance.	Keep sufficient clearance from walls or other objects.
	Too little clearance between objects inside the appliance or too many objects in the appliance.	Provide for sufficient clearance between objects inside the appliance; remove the excess of objects.
The compressor does not switch off automatically.	Overfilled appliance.	Remove the excess of objects.
The appliance operates loudly.	The appliance is not placed on even surface.	Place the appliance on even surface.
	Appliance touches walls or other objects.	Keep sufficient clearance from walls or other objects.

The following phenomena are not malfunctions:

- During normal operation, a sound of water flowing is heard. This is a sound of coolant flowing through the installation.

Spare Parts

Spare parts for the purpose of repairing this appliance, as stipulated in Annex II to the REGULATION (EU) 2019/2018, are available for at least eight years, counted from the date of introduction of the last appliance of this model to market.

8 Disposal

Electrical Appliance



Electric appliances are marked with this symbol. Electrical appliances must be disposed of and recycled in a correct and environmentally friendly manner. You must not dispose of electric appliances with household waste. Disconnect the appliance from the power supply and remove power cord from the appliance.

Electrical appliances should be returned to designated collection points.

Coolant

The propellant used in the appliance is flammable. It should be utilised pursuant to national regulations in force.