

GL3-2005



200298

Bartscher GmbH
Franz-Kleine-Str. 28
D-33154 Salzkotten
Germany

Phone: +49 5258 971-0

Fax: +49 5258 971-120

Technical Support Hotline: +49 5258 971-197

www.bartscher.com



Version: 1.0

Date of preparation: 2023-05-08

Original instruction manual

1	Safety	2
1.1	Explanation of Signal Words	2
1.2	Safety instructions.....	3
1.3	Intended Use	6
1.4	Unintended Use	6
2	General information	7
2.1	Liability and Warranty	7
2.2	Copyright Protection	7
2.3	Declaration of Conformity	7
3	Transport, Packaging and Storage	8
3.1	Delivery Check.....	8
3.2	Packaging	8
3.3	Storage	8
4	Technical Data.....	9
4.1	Technical Specifications	9
4.2	Functions of the Appliance.....	10
4.3	List of Components of the Appliance	11
5	Installation and operation	12
5.1	Installation.....	12
5.2	Operation	17
6	Cleaning and Maintenance	21
6.1	Safety Instructions for Cleaning	21
6.2	Cleaning.....	21
6.3	Maintenance	22
7	Possible Malfunctions.....	22
8	Disposal.....	24



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.

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 food products in suitable GN containers.

The appliance is intended for operation in maximum ambient temperature of 32°C and relative humidity of 65%.

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.

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.

EN

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:	Cooling top unit GL3-2005
Art. No.:	200298
Material:	stainless steel glass
Dimensions of glass top (W x D x H), in mm:	1995 x 330 x 200
Temperature range, min.–max., in °C:	2 - 8
Number of GN containers:	10 x 1/4 GN
Max. GN container depth, in mm:	150
Climate class:	4
Coolant, amount in kg:	R290 / 0,045
Connected load:	0,130 kW 230 V 50 Hz
Dimensions (W x D x H), in mm:	2005 x 352 x 435
Weight, in kg:	47,0

We reserve the right to implement technical modifications.

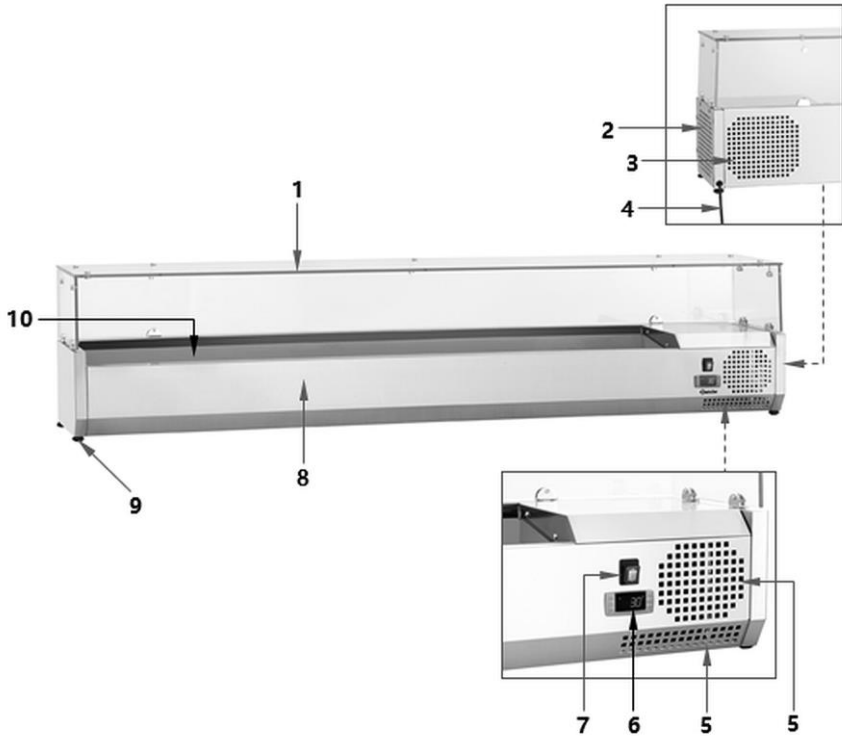
Version / Characteristics

- Delivery form: self-assembly set (simple assembly)
- Cooling: compressor
- Temperature control: digital
- Control: electronic
- Digital display
- ON/OFF switch
- Indicator light: ON/OFF
- Automatic defrosting function
- Front glass: chamfered
- Safety glass
- Type of glazing: single glazing
- Version of glass top at rear side: glass
- The set includes:
 - 11 bars (W 20 x D 15 x 270 mm)
 - 4 screw feet
- Features:
 - can be used in addition to the refrigerated pizza counter G-S7T2 (art. No. 200297)
 - can be set up separately with feet attached
 - cooling aggregate with cooling tray
- The set does not include: GN containers

4.2 Functions of the Appliance

In the cooling top unit GL3-2005, up to 10 GN 1/4 containers can be cooled and suitable food products can be stored for a specific period of time.

4.3 List of Components of the Appliance



EN

Fig. 1

- 1. Glass top
- 2. Side ventilation openings
- 3. Rear wall ventilation openings
- 4. Power cord
- 5. Front wall ventilation openings
- 6. Digital temperature controller
- 7. ON/OFF switch with integrated power indicator light (green)
- 8. Housing
- 9. Foot (4 pcs)
- 10. Cooling tray for GN containers

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.

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.
- 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.

Installation and operation

- Maintain sufficient clearance from table edges. The appliance might turn over and fall down.
- 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.
- Place the appliance so that sufficient air circulation is ensured. Do not obstruct nor cover ventilation openings of the appliance.
- Leave a clearance of at least 20 cm from walls and other objects.
- At the front (operator side), leave sufficient space for operating personnel.
- In order to avoid damage to the compressor, do not tilt the appliance more than 45° when positioning or transporting it.

Glass Top Assembly

ATTENTION!

Risk of breaking glass!

Unpack the glass top very carefully.

NOTE!

We recommend to have the glass top assembled by 2 persons!

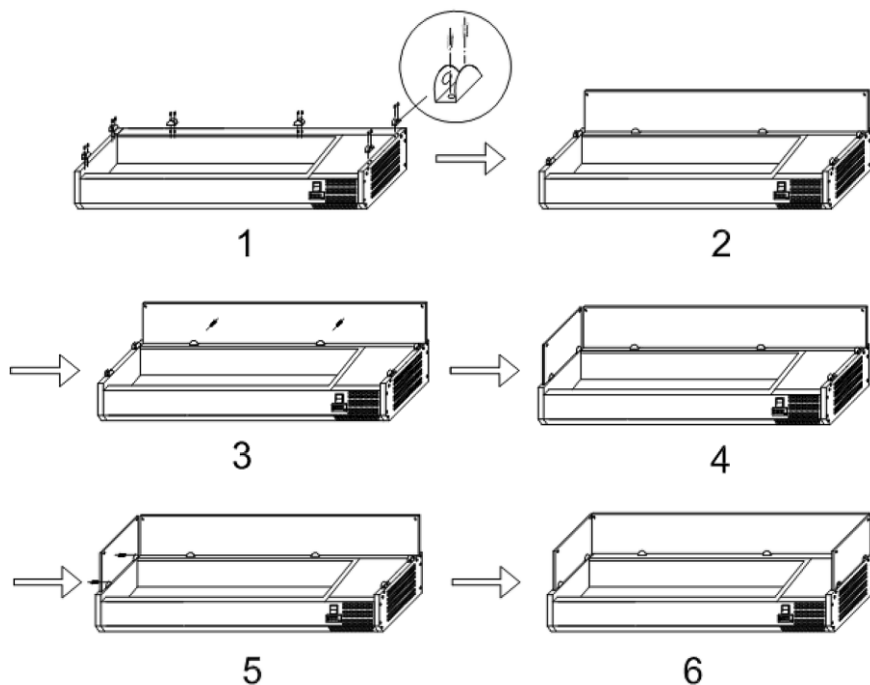
Glass top of cooling top is disassembled and packed independently. After unpacking, it must be assembled.

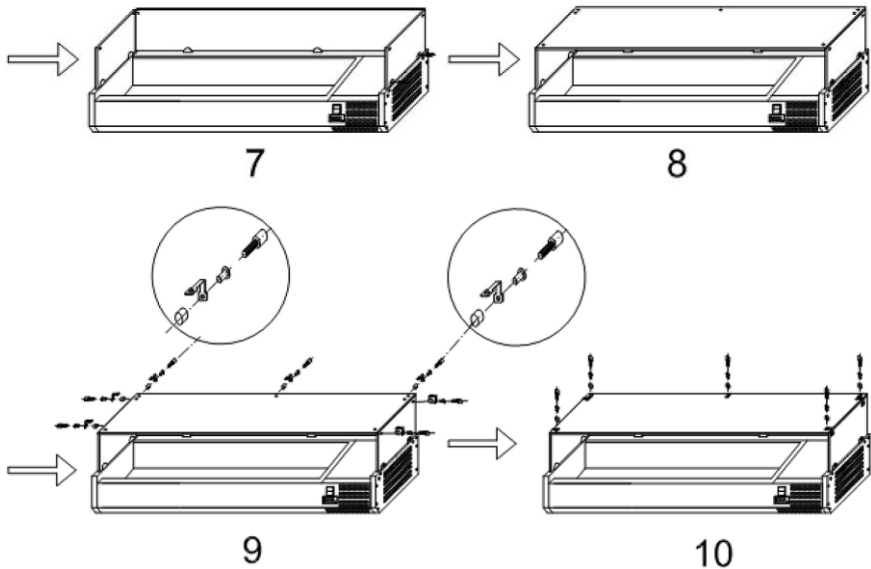
1. First, check the delivered elements for completeness.
2. Assemble the glass top observing the following drawings. Follow indications provided in this section.

Glass top delivery scope

Name	Number (pcs)	Name	Number (pcs)
Rear glass pane	1	Glass corner connector	7
Left glass pane	1	Silicone glass fixing sleeves	14
Right glass pane	1	Knurled nut	14
Top glass pane	1	Knurled screw	14
Glass bracket with 1 pressure screw each	6/6	Connection piece between the cooling top and pizza trolley	3
Countersunk screw for clamp for glass elements	6	Screw for connecting piece	6

EN





1. Start the assembly with fixing clamps for glass elements (2 at the right, left and rear) to the housing of the cooling top. Use the enclosed countersunk screws for the clamps for glass elements (Fig. 1).
2. Insert the rear, left and right glass pane into the fitted clamps for glass elements (Fig. 2, 4, 6). Ensure that the holes are in the upper parts of the panes.
3. Fix the panes in the clamps for glass elements using the clamping screws (Fig. 3, 5, 7).
4. Then place the top glass pane on top of the left, right and rear glass panes (Fig. 8). Ensure that all holes are one above the other.
5. Fix one silicone sleeve each in the glass openings to ensure that the nuts and bolts do not come into contact with the glass pane.
6. Screw the panes together using 2 corner fasteners each at the corners of the left and right glass panes and 3 corner fasteners each on the rear pane using the knurled nuts and knurled screws provided (Fig. 9, 10).
7. To end with, check if all glass panes are correctly fitted.

NOTE!

The top glass pane must not be used as a shelf.

8. To place the cooling top on the rim of the refrigerated pizza counter, proceed as follows:

- place one of each of the supplied connection elements on the left, right and rear sides on the rim of the refrigerated pizza counter,
- place the cooling top on the connection elements,
- screw all the connection elements to the cooling top using the screws provided.

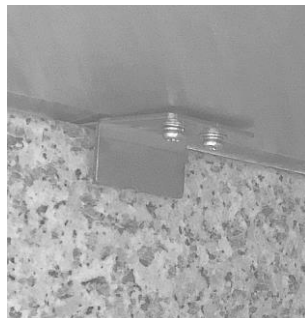


Fig. 2

9. To install the cooling top on the worktop, screw the included feet (4 pcs) into the designated threaded holes under the appliance.

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.
- When the electrical connection is established, check that the supply voltage during appliance operation does not deviate by $\pm 10\%$ from the nominal value indicated on the rating plate.
- For your own safety, the appliance must be correctly earthed.
- The power cord used is type H05VV-F, 3 x 1.0 mm², length 1.65 m. If the power cord is replaced, it must be replaced with a power cord of the same or better properties.
- Replacement of a damaged power cord must be carried out by a qualified technician.
- The plug must be easily accessible for quick disconnection of the appliance from the power supply if the need arises.
- If the appliance was stored or transported vertically, leave it standing horizontally for 12 hours before it is connected to electric power.
- Following an electric power outage, wait at least 3 minutes before reconnecting the appliance to prevent a damage to the compressor.

5.2 Operation

Indications for the User


- Fill the cooling top only when the display shows that the required temperature has been reached.
- The prepared food products must be placed only in suitable GN containers (section '**Technical Data**').
- Do not place any warm dishes in the cooling top; cool them down to ambient temperature first.
- Place GN containers filled with food products into the designated cooling tray. If needed, use the enclosed bars as supports for GN containers.
- To avoid occurrence of unpleasant odours in the cooling top follow the recommended storage periods of food products.
- If condensed water collects at the bottom of the cooling tray, wipe it with a soft, dry cloth.
- 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.

Appliance Preparation and Start-Up

1. Before use, clean the cooling top thoroughly, following indications in section 6 '**Cleaning and Maintenance**'.
2. Dry all cleaned elements and surfaces thoroughly.
3. Switch the appliance on (without food products). Follow indication in subsequent sections of the instruction.
4. Plug the appliance into a suitable single socket.
5. Switch the appliance on by setting the switch at the front of the appliance to "I" (ON) position.

The green power indicator light in the ON/OFF switch lights up.

The digital display shows current temperature inside the appliance.

The  LED indicator light blinks for 3 minutes during the delay between the compressor stopping and restarting.

6. Only when the appliance has reached the desired temperature can suitable food products be placed in GN 1/4 containers into the cooling tray of the appliance.
7. Ensure that the cooling tray is always filled with a set of GN containers, even when the GN containers are unused or empty.






Fig. 3

ATTENTION!

Uncovered areas of the cooling tray or empty GN containers significantly reduce the performance of the appliance.






Control Elements and Displayed Messages



Key	Functions
SET	Showing the set value, selection of parameters in the programming mode or confirmation of the process
	Manual start of defrosting
	Selection of the parameter code in the programming mode, increase of the displayed value
 AUX	Selection of the parameter code in the programming mode, decrease of the displayed value

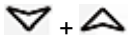
LED Indicator Lights

The LED indicator lights in the digital display show the status of the active function:

LED	Status of the active function	Meaning
	illuminates	activated compressor
	flashes	in delay
	illuminates	defrosting in progress
	flashes	defrosting delay
	illuminates	fan activated
	flashes	delay after defrosting
	illuminates	degrees Celsius temperature unit indicator light
	flashes	in programming mode
	illuminates	degrees Fahrenheit temperature unit indicator light
	flashes	in programming mode

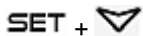
Key Combinations

Concurrent pressing of two buttons enable activation/deactivation of a number of functions.



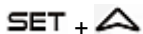
Key locking or unlocking:

- to lock, press both keys concurrently and hold them pressed for at least 3 seconds, until the digital display shows the 'OFF' indication
- to unlock, press these keys and hold them pressed for more than 3 seconds, until the digital display shows the 'ON' indication



Moving to the programming mode:

- press both keys concurrently and hold them pressed for more than 3 seconds; when the °C or °F LED indicator lights flash, subsequent settings may be introduced



Return to the previously displayed message:

- press these keys, to leave the programming mode and return to the previously displayed message (value of temperature inside the appliance)



Displaying the Set Value

1. Press the **SET** key shortly, to display the set value.
2. Press the **SET** key again or wait 5 seconds, to return to the previous message.

Changing the Set Value (i.e. the Required Temperature)

1. Press the **SET** key for more than 2 seconds.


The set value is displayed and the **°C** or **°F** LED indicator light flashes on the digital display.

2. The value may be increased or decreased with  or  button until the digital display shows the required value.
3. Confirm the new value with the **SET** key or wait 10 seconds — then, the value will be stored automatically.

Automatic Defrosting

The appliance performs an automatic defrosting cycle every 12 hours.

The timer switches on when the appliance is first switched on.


The digital display shows the  symbol.

The defrosting cycle lasts approximately 20 minutes.


Then, the subsequent defrosting cycle is initiated after 12 hours.

Manual Defrosting

To defrost the appliance manually:

1. Press the  key and hold it pressed for at least 5 seconds.

The defrosting cycle starts immediately.

The digital display shows the  symbol.

NOTE!

Starting manual defrosting also resets the automatic defrosting timer. The next automatic defrosting starts 12 hours after the end of manual defrosting.

NOTE!

Subsequent settings or parameter changes should be introduced by service personnel only.

Switching the Appliance Off

1. When the appliance is not to be used any more, it should be switched off with the ON/OFF switch (set to the 'O' position).
2. Disconnect the appliance from power supply (pull the plug out).

6 Cleaning and Maintenance

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.
2. Remove all food in GN containers from the appliance and store them temporarily in a cool room or in a refrigerator, in order for them not to turn.
3. Remove the used bars from the appliance.
4. Clean the cooling tray and glass extension thoroughly inside and out with a soft, damp cloth and a mild cleaning agent.
5. Wipe with a clean cloth.
6. Wipe the appliance housing also with a soft, damp cloth. Use a mild cleaning agent if required.
7. The used accessories (bars, GN containers) should be washed regularly in warm water with a mild cleaning agent. Rinse with fresh water.
8. Thoroughly dry the appliance and equipment with a soft cloth.
9. Regularly remove dust and lint from the appliance's ventilation openings with a Hoover or a soft brush.

6.3 Maintenance

- To ensure that the appliance remains functional for a long time, the following operations should be carried out regularly (twice a year) by a qualified personnel:
 - remove the right-hand cover;
 - check electrical cables at the connectors for loose connections;
 - check the operation of the electrical system. If the power cord is damaged, it must be replaced for safety reasons,
 - check the operation of the temperature controller and probes;
 - clean the condenser, gently moving a vacuum cleaner suction nozzle for upholstered furniture or a soft brush along the condenser fins;
 - reattach the removed cover after maintenance.

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

Error	Possible Cause	Solution
Appliance does not work	Incorrectly connected plug	Pull the plug out and insert it properly in a socket
	Appliance is not switched on	Switch the appliance on
	Electric power supply safety fuse damaged	Check the fuse, and check the appliance after connecting it to another socket
	No power supply	Check the electric power supply
	Damaged temperature controller	Contact the service company
	Damaged plug or power cord	Contact the service company
Appliance switches on, but the temperature is too high/low	Incorrect setting temperature	Correct the temperature setting
	Too much ice on the evaporator	Defrost the appliance
	Condenser clogged with dust	Contact the service company
	Direct sunlight or heat sources in immediate vicinity	Move the appliance away from heat sources, place the appliance in a correct position
	Air flow to condenser is interrupted	
	Ambient temperature too high	Improve ventilation or move the appliance to a cooler location
	Products placed inside the appliance are too hot	Leave food products to cool down before you place them in the appliance
	Appliance is overfilled	Avoid overfilling of the appliance, remove the excess of food product
Strange or loud noises	Appliance is not placed on an even surface	Check installation location and change if necessary Level the appliance
	Loose nuts/screws	Tighten nuts/screws

8 Disposal

Electrical Appliance

	<p>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.</p>
---	---

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.