

## **GN2110-R - GN1110-R - GN3110-R**



**305066 - 305067 - 305068**

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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.

### Flammable Materials

- Never subject the appliance to contact with high temperature sources, e.g.: oven, furnace, open flame, heat generating devices, etc.
- To avoid fire hazard, clean the appliance regularly.
- Do not cover the appliance with, e.g., aluminium foil or cloths.
- Use the appliance only with materials designated to this end and with correct temperature settings. Materials, groceries and left-overs remaining in the appliance may catch fire.
- Never use the appliance near flammable or inflammable materials, e.g.: petrol, spirit, alcohol, etc. High temperature triggers evaporation of these materials, and, as a result of contact with sources of ignition, an explosion may occur.
- In case of fire, disconnect the appliance from the power supply before attempting suitable 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.

## Safety

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### Hot Surfaces

- Surfaces of the appliance become hot during operation. Burning hazard! High temperature remains for some time after switching the appliance off.
- Do not touch any hot surfaces of the appliance. Use the provided handling elements and holders.
- You may transport and clean the appliance after it cools down entirely.
- It is prohibited to sprinkle hot surfaces with cold water or flammable liquids.

### 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.

### Supervised Usage only

- Only supervised appliance may be used.
- Always remain in an immediate vicinity of the appliance.

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### 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.

## Residual Risks

Residual risks to which operating personnel may be exposed to are:

Activity performed / position of the operator	Dangerous situation and hazards	Possible damage
Use of the appliance	direct or indirect contact with live parts	electric shock
Removing prepared food from the appliance	contact with hot containers, dishes	burns
	contact with hot surfaces (heating elements, shelves, bars)	

## Personal Protective Equipment

The use of personal protective equipment and clothing is intended to protect a specific part of body from certain work-related hazards.

As a general rule, they should only be used when measures to eliminate the hazard at source are not sufficient to eliminate harmful substances and parts and thus ensure the safety and health of an employee.

The use of equipment includes the use of the following personal protective equipment:

Activity	Provided personal protective equipment (PPE)	Relevant standard
Hot product removal	Heat protective gloves	EN 407
Mechanical maintenance	Gloves to protect against mechanical hazards	EN 388

Depending on conditions of the working environment in which the equipment is installed, the above list does not exclude the possible need for other personal protective equipment.

### Warning Signs on the Appliance



#### **DANGEROUS VOLTAGE**

Dangerous voltage inside. Contact leads to electric shock or burns. Disconnect the appliance from the power supply before carrying out maintenance and service work.



#### **HOT SURFACE! RISK OF BURNS!**

This symbol indicates areas that become very hot during operation. Do not touch hot surfaces nor components.



#### **RISK OF CRUSHING caused by rotating components**

Do not remove the maintenance area cover during operation.

#### **WARNING!**

Failure to observe these instructions may result in serious injury.

## 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:

- Keeping food warm in suitable containers.

## 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:

- Heating-up flammable, hazardous to health and volatile, etc. liquids and materials.

## 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.

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### 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

#### Version / Characteristics 305066 / 305067 / 305068

- Temperature control: thermostat
- Water tray for air moistening: no
- Heating type: dry-heated
- Internal lighting
- Illumination: halogens
- Front glass:
  - rounded
  - hinged
- Type of glazing:
  - single glazing
  - all-round glazing
  - safety glass
- Door type:
  - 305067 – lift-up door
  - 305066+305068 – 2x sliding door
- Door position: rear side
- Control: knob
- Indicator lights:
  - heating-up
  - operation
- Features:
  - condensate drawer
  - thermometer
- **The set does not include:** GN containers

**We reserve the right to implement technical modifications.**

<b>Name:</b>	<b>Hot display GN2110-R</b>
Art. No.:	<b>305066</b>
Material:	stainless steel, glass
Gastronorm:	2 x 1/1 GN
GN container depth, in mm:	40
Volume, in l:	95
Temperature range, min.–max., in °C:	30 - 110
Number of shelves:	1
Shelf type:	grid rack, stainless steel
Shelves dimensions (W x D), in mm:	580 x 325
Connected load:	2,1 kW   230 V   50/60 Hz
Dimensions (W x D x H), in mm:	755 x 822 x 558
Weight, in kg:	59,6

<b>Name:</b>	<b>Hot display GN1110-R</b>
Art. No.:	<b>305067</b>
Material:	stainless steel, glass
Gastronorm:	1 x 1/1 GN
GN container depth, in mm:	40
Volume, in l:	85
Temperature range, min.–max., in °C:	30 - 110
Number of shelves:	1
Shelf type:	grid rack, stainless steel
Shelves dimensions (W x D), in mm:	350 x 325
Connected load:	1,65 kW   230 V   50/60 Hz
Dimensions (W x D x H), in mm:	502 x 810 x 558
Weight, in kg:	44,8

## Technical Data

<b>Name:</b>	<b>Hot display GN3110-R</b>
Art. No.:	<b>305068</b>
Material:	stainless steel, glass
Gastronorm:	1 x 1/1 GN
GN container depth, in mm:	40
Volume, in l:	185
Temperature range, min.–max., in °C:	30 - 100
Number of shelves:	1
Shelf type:	grid rack, stainless steel
Shelves dimensions (W x D), in mm:	920 x 325
Connected load:	3,65 kW   230 V   50/60 Hz
Dimensions (W x D x H), in mm:	1092 x 810 x 558
Weight, in kg:	84,0

## 4.2 Functions of the Appliance

The hot display is designed to keep prepared food warm at the set temperature from 30°C to 110°C for the desired period of time.

The individual equipment with GN containers and shelf offers tailor-made use of the hot display. The hinged front glass and removable condensate drawer allow easy cleaning.

## 4.3 List of Components of the Appliance

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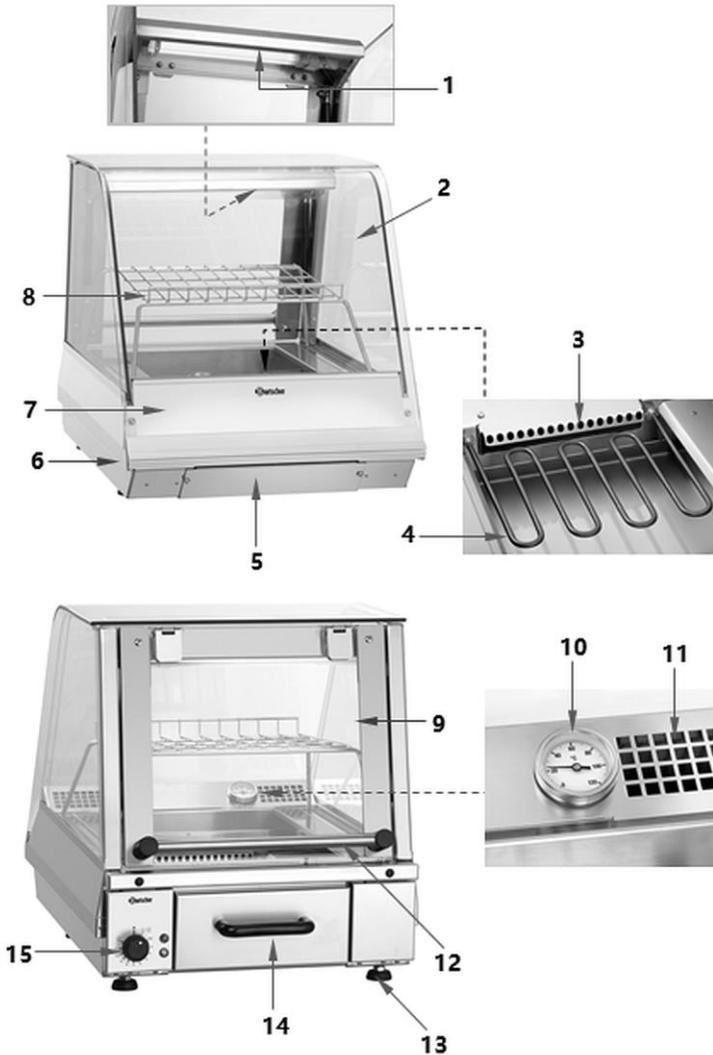


Fig. 1

## Technical Data

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### Description for Fig. 1

1. Internal lighting
2. Round front glass
3. Air ventilation openings
4. Heating element (1 pcs)
5. Maintenance area cover
6. Housing
7. Advertising and price panel with lighting
8. Shelf
9. Lifting door
10. Thermometer
11. Ventilation openings
12. Lifting door handle
13. Feet (4 pcs)
14. Condensate drawer
15. Control elements

305066 / 305068

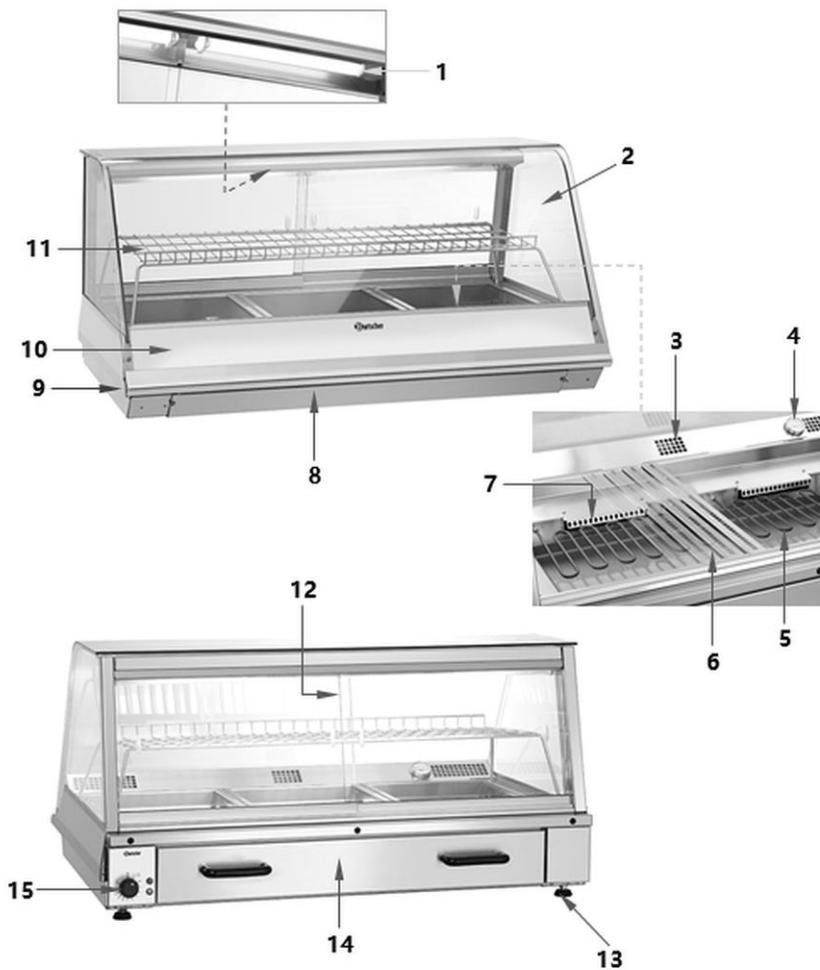


Fig. 2

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### Description for Fig. 2

- |                                 |   |
|---------------------------------|---|
| 1. Internal lighting (2 lights) | 2. Round front glass                          |
| 3. Ventilation openings         | 4. Thermometer                                |
| 5. Heating element (2 pcs)      | 6. GN containers bars                         |
| 7. Air ventilation openings     | 8. Maintenance area cover                     |
| 9. Housing                      | 10. Advertising and price panel with lighting |
| 11. Shelf                       | 12. Sliding door (2 pcs)                      |
| 13. Feet (4 pcs)                | 14. Condensate drawer                         |
| 15. Control elements            |   |

## 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.
- 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 20 cm clearance from flammable walls and items.

### 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.
- In accordance with current regulations, a multi-pole switch is required for the installation of the appliance, which must be located between the appliance itself and the mains voltage, with a contact separation of at least 3 mm per pole. This switch must be easily accessible.
- The connection cable used is type H07RN-F 3Gx2.5 mm<sup>2</sup> (305066+305068) or 3Gx1.5 mm<sup>2</sup> (305067), length of approx. 2.8 metres. If a power cord is replaced, a cable with the same or better characteristics must be used.
- 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.

## 5.2 Operation

### Warning Indications



#### **WARNING**

##### **Risk of burning!**

**During operation, the housing, glass panes and shelves become very hot and remain hot for a while after switching the appliance off.**

Do not touch hot components of the appliance during operation nor immediately after switching it off.

**Cookware and containers heat up considerably during operation.**

For removing hot food use dishwashing cloths or kitchen mitts.

### **Before Use**

1. Before use, clean the appliance, observing instructions in section 6 '**Cleaning**'.
2. Dry the appliance thoroughly.
3. Re-attach the condensate drawer in the appliance.

### Appliance Start-up

1. Plug the appliance into a suitable single socket.
2. To start the hot display, introduce the following settings with the knob.

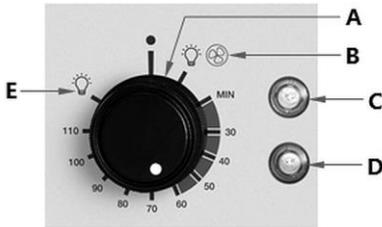


Fig. 3

3. Rotate the knob (A) to position (B).

The orange indicator light (C), the interior lighting and the advertising and price panel lighting will illuminate and the interior ventilation will start.

By further rotating the knob (A) to the desired temperature setting (30–110°C), heating will be activated, the red heating indicator light (D) will illuminate and will remain on until the set temperature is reached.

When the knob (A) is rotated to position (E), only the lighting lamps will remain on.

The temperature in the hot display can be read on the thermometer inside the unit.

#### **ATTENTION!**

**Following current guidelines, the expected storage temperature for warm food is between +60°C and +65°C.**

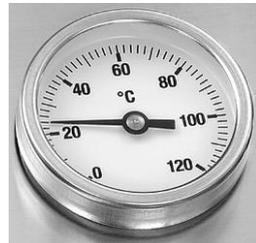


Fig. 4

### Keeping Food Warm

1. In the meantime, prepare the required warm food and fill appropriate GN containers or plates (serving plates, etc.) with it.
2. Place food on the shelf or on the surface for GN containers.

The food will be kept warm, in the selected temperature for the required period. If the temperature in the hot display drops, the heating element will switch on again and the appliance will be reheated to the set temperature. The red preheat indicator light (D) remains lit until the set temperature is reached; then, it goes out.

3. If necessary, remove dishes through the lifting or sliding door at the user side of the appliance.



Fig. 5



Fig. 6

4. Serve warm food.
5. Close the lifting or sliding door to limit the loss of warm air in the cooking cabinet.

### Switching the Appliance OFF

1. Remove all dishes if the appliance is no longer to be used.
2. Rotate the knob to the OFF position.
3. 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. Clean the appliance regularly at the end of a working day, and, if necessary, also in the meantime or when the appliance is not to be used for a longer time.
2. Remove all food containers, GN container bars and shelf from the appliance.
3. Pull out the condensate drawer and empty it.
4. Clean the removed parts (GN container bars, shelf, condensate drawer) and used GN containers with warm water and a mild detergent.
5. Rinse the cleaned elements in fresh water.
6. To end with, dry the cleaned parts thoroughly with a soft cloth.
7. The hot display should be cleaned thoroughly from inside with a soft, damp cloth. Use a mild cleaning agent when required.
8. Wipe it with clean, soft cloth.

#### **WARNING!**

#### **Risk of electric shock from live parts of the appliance!**

Ensure that no liquids get onto heating elements and ventilation openings inside the appliance.

9. If necessary, lift the front glass pane for cleaning (Fig. below).

**ATTENTION!**

**To avoid possible damage to the glass pane and the handle, lift and lower the front glass pane slowly!**



*Fig. 7*

10. Wipe the outside glass pane and the appliance housing with a soft, damp cloth.
11. Wipe the control panel, connection cable and plug with a slightly damp cloth only.
12. To end with, dry the cleaned surfaces thoroughly with a soft cloth.
13. Re-attach the removed parts in the appliance.
14. If the appliance will not be used for an extended period of time, clean it as described above, dry it thoroughly and leave the lift door or sliding door open so that no unpleasant odours or mould develops in the appliance.

### 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:
  - 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 thermostat and probes;

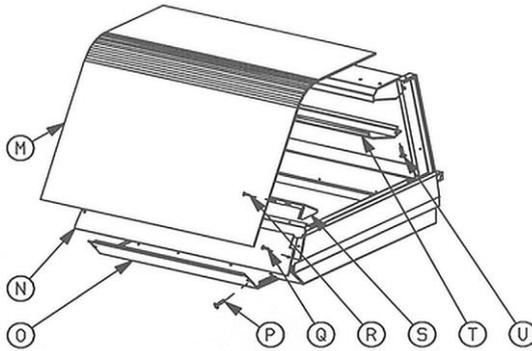


Fig. 8

- clean the lamp cover (T) (Fig. 6) in order to keep the internal lighting on at all times;
- clean the fan air deflector (S) and the fan blades; to do this, lift the front glass pane (M), remove the advertising panel (N) by unscrewing the screws (Q) and then unscrew the screws (R) from the air deflector (S);
- to replace the advertising/price panel lamp, remove the front glass pane (M) and the advertising/price panel (N) by unscrewing the appropriate screws (Q);
- to replace the interior lighting lamps or the corresponding starter, remove the lamp cover (T) by unscrewing the screws (U);
- to replace the heating elements, fans, lamp chokes, advertising panel lamp starters, remove the service area cover (O) by unscrewing the screws (P);
- to access the thermostat and switch, remove the panel by unscrewing the corresponding bottom screws.

## 7 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.