

**TK1-111**



**700341V1**

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## Original instruction manual

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**Read these instruction manual before using the appliance 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.

Read this instruction manual before you use the appliance and particularly before you start the appliance to prevent injury or damage. Incorrect use may cause damage.

All important information contained in the operating instructions must be available to the appropriate staff at all time. The operator shall be responsible for their availability.

In addition to the operating instructions, you must comply with the general, legal and other applicable regulations for occupational safety and environmental protection.

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## 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.

### Operator's responsibility

The operator is responsible for complying with the currently applicable laws, regulations, ordinances and existing national regulations on accident prevention, environmental protection, as well as the internal operation, operating and safety instructions that apply at the respective installation site.

Obligations of the operator:

- Operate the appliance and its components only in a technical condition that does not raise any objections, with functional protective and safety elements.
- Prepare risk assessment at work positions.
- Provide instruction and regular staff training. Pay special attention to and observe the section concerning safety and any safety hints.
- Provide suitable personal protective equipment (PPE)
- Observe the intervals of maintenance and cleaning.
- Document training/instructions, replacement of components.

### 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.

- Do not place any electrical appliances such as microwave ovens, hair dryers, irons, electric kettles etc. on the cooler. Plastic parts could catch fire.
- Internal walls of the cooler and all its plastic elements should be protected against contact with fats, acids AND sauces.
- Do not use any electric appliances inside the cooling compartment, unless they are of the type approved by the manufacturer.

### 1.3 Intended Use

This appliance is only intended for use described in the operating instructions, with the supplied and approved components.

Any other use is considered against the intended purpose. The manufacturer shall not be liable for any damage due to unintended use. In such cases the responsible party shall only be the user/operator.

The following is an intended purpose:

- Freezing and storage of deep-frozen food products.

The appliance is intended for operation in maximum ambient temperature of 43 °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

The appliance was built in accordance with the current state of the art and recognized technical safety principles. Nevertheless, during its use, there may be a threat to the health and life of the user or bystanders, or the danger of damage to the device or other assets. Warranty and liability claims for personal injury/property damage as well as defects at work are excluded if they can be attributed to one or more of the following causes:

- Use against the intended purpose
- Failure to follow/disregard the instructions and all related information
- Unauthorized structural or technical changes to the device
- Engaging insufficiently trained and insufficiently qualified personnel
- Operation with defective or incorrectly installed safety and protective devices
- Inadequate maintenance or cleaning
- Faults not fixed
- Use of prohibited media, cleaning agents, etc.
- Use of unauthorised spare parts
- Errors in operation or other misuse
- Disasters caused by foreign objects or force majeure
- Destruction of the type plate and stickers relevant for operation and safety

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

### 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.

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### 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

<b>Name:</b>	<b>Deep freezer TK1-111</b>
Art. No.:	<b>700341V1</b>
Material:	Plastic
Inner material:	HIPS (high-impact polystyrene)
Volume, in L:	215
Usable volume, in L:	201
Temperature range, max., in °C:	-18
Temperature control, levels:	8
Ambient temperature, min.–max., in °C:	16 - 43
Coolant/amount, in kg:	R600a / 0,051
Climate class:	N - T
Energy efficiency class:	E (EU Nr. 2019 / 2016)
Energy consumption, in kWh/year:	201
GWP index:	3
Number of doors:	1
Number of drawers:	6
Drawer dimensions (W x H), in mm:	5x 440 x 172   1x 440 x 262
Connected load:	0,23 kW   230 V   50 Hz
Dimensions (W x D x H), in mm:	600 x 620 x 1.450
Weight, in kg:	53,0

We reserve the right to implement technical modifications.

### Version / Characteristics

- Cooling: static
- Thermostat
- Control: rotary controller
- Insulation: cyclopentane, 80 mm
- Automatic defrost function: no
- Evaporation of condensed water: no
- Lockable: no
- Internal lighting: no
- Door type: leaf door
- Right-hand side door, changeable door hinge side
- Height adjustable feet: no
- ON/OFF switch: no
- Indicator light:
  - ON/OFF
  - warning light
- Features:
  - 1 Big Box drawer: W 440 x H 262 mm
  - drawer width: 440 mm
  - drawer height: 172 mm

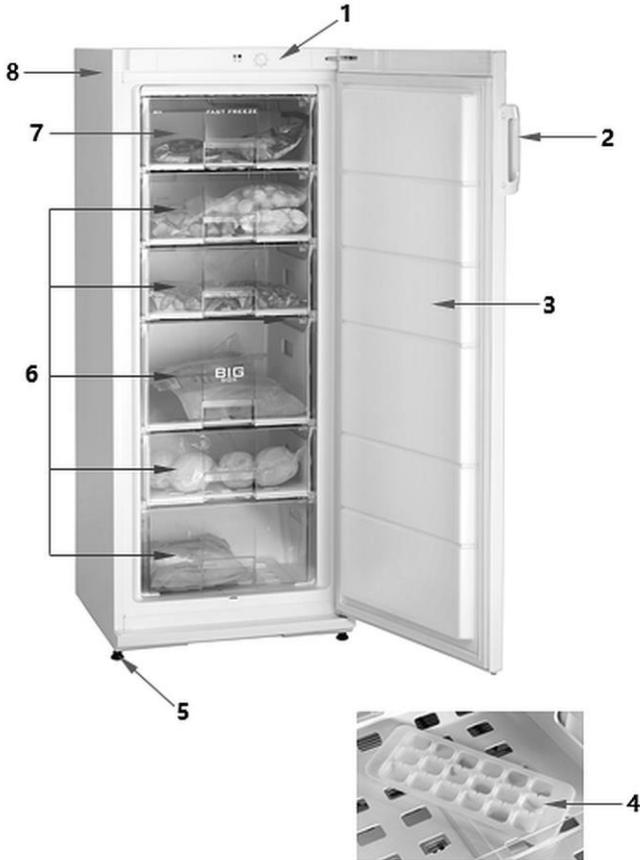
The set includes: 1 ice cube tray

More information on the appliance is available in our website [www.bartscher.com](http://www.bartscher.com) or, pursuant to the Regulation (EU) 2019/2016, in our product data base at <https://energy-label.ec.europa.eu/>. Enter article number for a given model.

## 4.2 Functions of the Appliance

The freezer is designed for freezing and storage of suitable food products. 6 drawers provide well-sorted storage of frozen products. Thanks to the Big Box drawer, also freezing and storing large frozen food products is no problem.

## 4.3 List of Components of the Appliance



*The delivery does not include decorations!*

Fig. 1

- |                               |   |
|-------------------------------|---|
| 1. Control elements           | 2. Door handle                          |
| 3. Appliance door             | 4. Ice cube tray                        |
| 5. Foot (4 pcs)               | 6. Frozen food products drawers (5 pcs) |
| 7. Quick-freeze shelf (1 pcs) | 8. Housing                              |

## 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

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



#### CAUTION!

#### Choking hazard!

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

- 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 affixed to 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.
- When selecting the installation site, please consider the following items:

- The mounting surface must be even, sufficiently load-bearing, waterproof, dry and resistant to high temperatures.
- Make sure that the designated escape routes are clear.
- Ensure a stable position.
- Allow sufficient space for work, maintenance and cleaning.
- Leave the supply and exhaust air vents, if any, free.
- Comply with applicable technical and building regulations.

### Appliance Preparation

1. Remove packaging from the appliance.
2. Remove the appliance from the foam pad.
3. Remove the adhesive tape.
4. Remove (if present) the polystyrene part (transport protection) between the rear wall of the appliance and the condenser.

#### ATTENTION!

**The freezer is equipped with a screw-on door handle. If used incorrectly, it may break off.**

Do not use the door handle for lifting nor for moving the appliance.

5. During installation, tilt a notch the front part of the appliance backwards. It will make it possible to easily move it on wheels to a chosen location.

#### NOTE!

**When opening the appliance door, a small red piece will fall out — it is needed for transportation purposes only.**

6. Properly dispose of all packing material.
7. Remove the red adhesive tape, which is needed for transportation purposes only.
8. Use two supports (1) and insert them into guides (2) in the top section of the rear wall (Fig. 2).

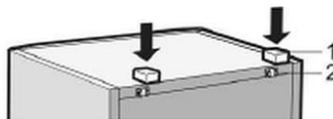


Fig. 2

- 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.

## Installation and operation

- In order to avoid damage to the compressor, do not tilt the appliance more than 45° when positioning or transporting it.
- If the appliance is to be relocated, follow the instructions below:
  - switch the appliance off;
  - disconnect the plug from the socket;
  - take out contents of the appliance;
  - tape firmly all loose elements in the internal chamber and tape the door;
  - the appliance may only be transported in vertical position.

### NOTE!

**Two persons are needed for setting the appliance!**

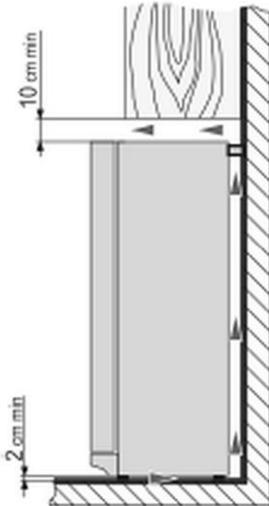


Fig. 3

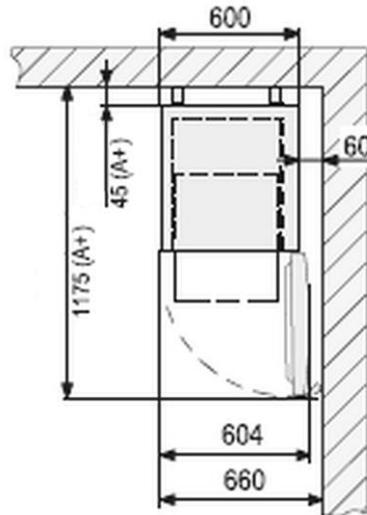


Fig. 4

- The ventilation opening in the top part of the cooler may not be obstructed; it is necessary to provide for uninterrupted air circulation.
- Maintain a minimum clearance of 10 cm between the top side of the appliance and objects that are above it (e.g., a cabinet) (Fig. 3).

### ATTENTION!

**If the provided clearance values are not observed, the power consumption rises or the compressor overheats.**

- If the appliance is to be installed in a corner, maintain a lateral clearance of at least 60 mm (Fig. 4).
- Set the appliance on a level surface; it may not lean against a wall.
- If such a needed arises, adjust the height, by rotating the feet: rotate them clockwise to raise the front part of the appliance; rotate them counter-clockwise to lower the front part of the appliance. If the freezer is set with a minute tilt backwards, the door closes on its own.

### 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.
  
- Do not connect the appliance to the power supply without first removing all packaging and transport items.
- If during installation the appliance was tilted by more than 30°, wait for at least 4 hours before connecting the appliance to power supply. Otherwise, the compressor may malfunction.
- After switching off (for cleaning, repair, re-location, etc.), the appliance may be switched back on to the power supply no earlier than after 15 minutes.
- If the appliance was kept in a cold environment (outside temperature below +12°C), it may only be connected to the power supply after 2 hours.

### Changing the Hinge Side (Fig. 5)

#### WARNING!

Before carrying out any work on the appliance, disconnect it from the power supply (pull the plug out of the socket).

If necessary, the opening direction of the appliance door can be changed. To this end, spanners No. 8 and 10 and a Phillips screwdriver are required.

#### ATTENTION!

Do not place the freezer in horizontal position in order to change the door hinge side.

#### CAUTION!

To avoid personal injury and material damage, the door opening direction must be changed by two people.

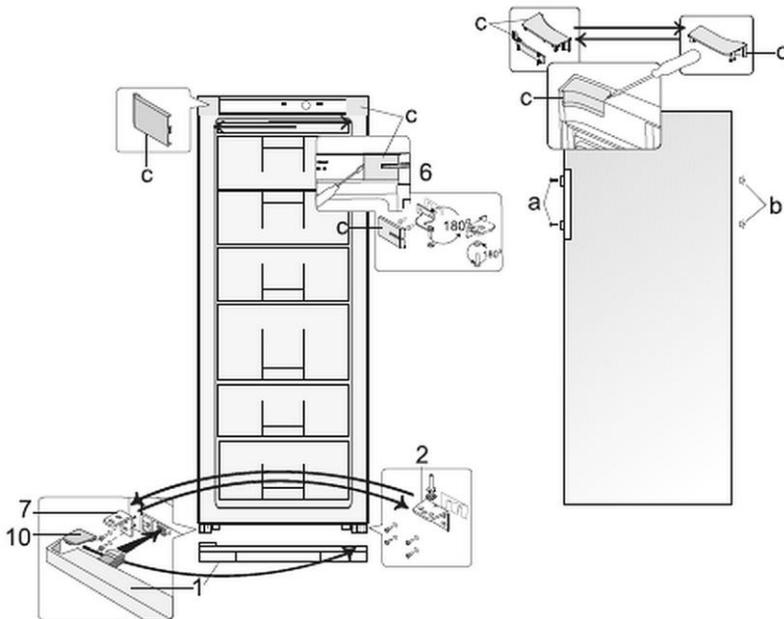


Fig. 5

### ATTENTION!

**Always note the number of washers on the bearing pivots and screws before starting the adaptation.**

**Always align the door carefully so that it closes tightly.**

1. Open the appliance door.
2. Remove four covers **(c)** from the housing and from the inside of the appliance door.
3. Re-insert the guard extension rotated by 180° on the opposite side.
4. Remove the support stud in the inner side of the appliance door at **(c)** / **(6)**.

**ATTENTION! Hold the appliance door firmly.**

5. Remove the appliance door.
6. Unscrew the upper bracket **(6)**. Remember about the plastic plate under the bracket.
7. Rotate the bracket **(6)** together with the plastic plate by 180° and screw it back on the other side of the appliance into both adjacent free holes.
8. Remove the bottom cover strip **(1)**.
9. Unscrew the bracket **(2)** with the support stud.
10. Unscrew the support stud with washer from the bracket and then screw it back into the hole on the opposite side of the bracket.
11. Remove the bracket **(7)** and replace it with the bracket **(2)** with support stud.
12. The bracket **(7)** goes into the previous place of the bracket **(2)**.
13. Place the appliance door on the support stud of the bracket **(2)**.

**ATTENTION! Hold the appliance door firmly.**

14. Place the support stud of the bracket **(6)** back into the appliance door.
15. Cover the bracket and free holes with four blanking plugs **(c)**.
16. Remove the blanking plug **(10)** from the cover strip **(1)** and place it on the opposite side.
17. Place the cover strip **(1)** back into the appliance.
18. To install the door handle on the other side of the appliance door, remove the screw caps **(a)** and plugs **(b)**.
19. Undo bolts of the door handle. Screw the handle anew at the other side. Push the supplied plugs into the remaining holes in the appliance door and place the screw caps over the screws.

## 5.2 Operation

### User instructions for freezing of food products in the deep freezer

- Deep-freeze only food products that are suitable to this end and withstand low temperatures well.
- Deep-freeze only fresh food products.
- A suitable packaging should be selected for each food product and the product should be packed well. The packaging must be air-tight and impervious to water, as this could cause the frozen product to dry. Plastic films and bags should soft and smooth, so that they stick to the contents well.
- Never freeze again any thawed or partially thawed products. Such products should be processed and consumed within maximum of 24 hours.
- Observe proper indications of the manufacturers as to the freezing of given food products.
- It is best to freeze products in small portions and thaw them one by one. This caters for fast and uniform freezing and thawing. Frozen product should be described with its name and the date of freezing.
- When freezing larger amounts of fresh food products, the temperature in the appliance may rise temporarily. This does not affect the already stored food products.
- Do not place bottles filled with liquids in the appliance. Freezing liquids increase their volumes and may cause bottles to crack.
- Avoid opening of doors during the freezing process.

### Storage of deep-frozen food products in the deep freezer

- Observe instructions for storage of food products indicated on their packages. If there are no indications, a food product should not remain in a frozen state for more than 3 months from the purchase date.
- The packages of food products frozen in the process of their manufacturing feature storage deadlines and temperatures. It is recommended to follow manufacturer's indications for storage and usage.
- Select only properly packed food products, provided with full data and store them in deep freezers in the temperature of -18°C or below.
- When buying deep-frozen food products, transport them in suitable containers to avoid thawing and refreezing. As soon as possible, place such products in a deep freezer.
- Do not buy icy products, as icing denotes that they have already been partially thawed a couple of times.
- Protect food products against thawing and refreezing, as temperature rise shortens their storage period and deteriorates their quality.
- Partially or fully thawed food products should be immediately used. Low temperature preserves food products, but it does not eradicate micro-organisms. They reactivate at an accelerated pace and food products turn rapidly. Partial thawing reduces the nutritional value of food products, especially the nutritional value of fruits and vegetables, as well as ready-made meals.
- If the package is damaged or unnaturally bulged, it is likely that the food product has been stored improperly and that it is spoiled.

For freshly frozen food products, observe the following storage times:

- fish and sausage: no longer than **6 months**;
- yellow cheese, poultry, pork, lamb: no longer than **8 months**;
- beef, fruit and vegetables: no longer than **12 months**.

## Installation and operation

### Before First Use

1. Before first use, clean the appliance and equipment (drawers, ice cube tray) following instructions in section **6 'Cleaning'**.
2. To end with, thoroughly dry the appliance and accessories.
3. Place drawers in the appliance.
4. Close the appliance door.
5. Plug the appliance into a suitable single socket.

The green power indicator light will come on.

The fan switches on and runs continuously.

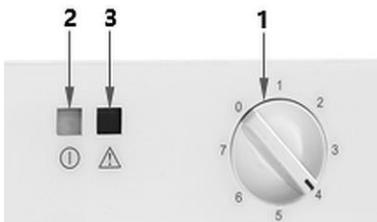
The appliance will be chilled to the factory-set temperature.

6. The appliance should reach the set temperature before food products are placed in the appliance for the first time.

It takes approximately 2–3 hours.

7. Set the desired temperature in the freezer as indicated in subsequent sections.

### Control Elements and Displayed Messages



1		<b>Temperature controller (levels: 0–7)</b> The temperature control is deactivated when the temperature controller is set to '0'. Rotating it clockwise lowers the temperature.
2	①	<b>Power indicator light (green)</b> This light starts to illuminate when the appliance is connected to the electricity supply.

3		<p><b>Temperature rise warning indicator light (red)</b></p> <p>When the temperature in the appliance rises above <math>-9^{\circ}\text{C}</math>, this indicator light will light up.</p> <p>When the appliance is connected to the electricity supply, the red warning indicator light also lights up. It indicates that:</p> <ul style="list-style-type: none"><li>• The appliance has been off for a long time, i.e. it has been switched on for the first time after defrosting or after a power failure.</li><li>• The appliance door is not closed or has been opened too often.</li><li>• Too much food products have been placed in the appliance for freezing.</li><li>• The cooling system is faulty. If the warning indicator light does not go out for more than 6 hours and the compressor running sound is audible, or if the compressor does not switch off, or none of the above causes is present, contact the service company.</li></ul>
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### Temperature Control

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The temperature inside the appliance is factory set at  $-18^{\circ}\text{C}$  and can be changed as required at any time using the temperature controller.

The temperature can be set on a seven-level scale:

'0' — compressor is disconnected.

#### ATTENTION!

**The appliance is still connected to the power supply.**

'1' — the highest temperature (the weakest cooling)

'7' — the lowest temperature (the strongest cooling)

#### NOTE!

**Initially, set the temperature controller to '3' position and then to '1–3' (with too much cooling), and to '3–7' (with insufficient cooling).**

## Installation and operation

### Freezing Food Products

1. Place food products to be frozen in single or double layers on the upper quick-freeze shelf.

The quick-freeze shelf in the appliance is marked with the  symbol.

2. Close the appliance door.
3. After 24 hours, remove the frozen food products from the quick-freeze shelf and place them in one of the drawers in the storage area.

#### ATTENTION!

**Do not exceed the maximum amount of frozen products of 12 kg per 24 hours.**

4. Maintain a minimum clearance of 2.5 cm between products to be frozen and the top wall (Fig. 6).

#### NOTE!

**Food products not yet frozen must not come into contact with products that have already been frozen.**

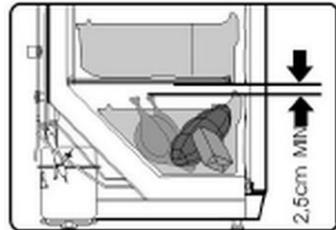


Fig. 6

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### Ice Cube Production

Ice cubes are produced in the ice cube tray provided.

1. Fill each cavity in the tray intended for an ice cube tray with potable water up to 3/4 of its height.
2. Place the ice cube tray on one of the quick-freeze shelves.
3. Leave ice cubes in the ice cube tray for about 5 minutes at room temperature and then shake them into the ice container.

### Appliance Defrosting

#### ATTENTION!

**Before defrosting disconnect the appliance from the power supply (pull the plug out).**

The appliance should be defrosted at least twice a year so that the thickness of ice layer does not exceed 5 mm.

1. Remove the condensation water collection trough, rotate it by 180° and re-suspend it (Fig. 7).
2. Place a container under the condensation water collection trough.
3. Leave the appliance door open.
4. After defrosting, wipe the appliance surfaces and accessories dry.

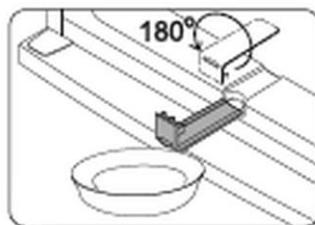


Fig. 7

#### ATTENTION!

**Do not use pointed, sharp nor other aids for mechanical removal of ice layers!**

5. Pull out the condensation water collection tray, rotate it by 180° again and place it in its original position.
6. Close the appliance door.
7. Switch the freezer back on and wait until it has reached the desired temperature before placing frozen products back in.

### Switching Appliance OFF

1. If the appliance is not used, rotate the temperature controller to '0' position.
2. Disconnect the appliance from power supply (pull the plug out).
3. Defrost the appliance as described above.
4. Clean the appliance observing indications in section **6 'Cleaning'**.
5. Leave the appliance door open when not in use for longer periods.

## 6 Cleaning and Maintenance

The operator must ensure that the device and its safety components are kept in good condition. Control and safety systems should be checked for their effectiveness.

Maintenance, cleaning and repairs must only be carried out by suitably trained and specialised personnel.

If the safety devices need to be removed for maintenance, cleaning and repair, they should be reinstalled immediately after completion and their function should be checked.

All maintenance and cleaning work must be carried out in accordance with the operating instructions at the specified intervals.

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### 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.
2. Remove all objects from the appliance.
3. Internal surfaces of the appliance and all plastic elements should be protected against fats, acids, sauces. If, nonetheless, they reach the surface, clean the affected place immediately with warm water and a mild cleaning agent.

#### **ATTENTION!**

**Never use hot water to clean the appliance.**

4. Clean the internal and external surfaces of the appliance, as well as the appliance door with a soft, damp cloth. Use a mild cleaning agent, if required.
5. Wipe cleaned surfaces with a cloth soaked in fresh water.
6. Clean the door seal regularly only with a soft, damp cloth.
7. Dry all cleaned surfaces thoroughly afterwards.
8. After cleaning, leave the door open for the appliance to dry completely.
9. Wash the equipment (drawers, ice cube tray) thoroughly in warm water, using a mild cleaning agent and a soft cloth or sponge. Rinse the cleaned components in fresh water and dry.



Fig. 8

10. At least once a year wipe dust collected at the rear wall of the appliance and the compressor. Soiled compressor negatively affects operation of the appliance and increases power consumption.

#### **ATTENTION!**

**Never clean the compressor with water!**

11. Use a soft, dry brush, electrostatic cloth or vacuum cleaner.

### 6.3 Maintenance

We recommend having the appliance serviced at least twice a year by an authorised service centre, and to conclude a service contract if necessary.

Regular maintenance is essential to maintain the best performance and ensure the safe operation of the appliance.

The following maintenance tasks can be done by the user:

- inspection of the general condition of the appliance;
- regular inspection of the power cord;
- daily visual inspection of safety components (e.g. correct operation of safety microswitches, if any);
- checking the integrity of safety labels and symbols, at least once a week. If they are illegible or have become detached, obtain a copy of the labels and symbols from the sales agent or a qualified technical service representative.

The following operations should be regularly performed by a qualified specialist:

- cleaning the condenser with suitable tools (vacuum cleaner or soft brush);
- checking of electrical connections;
- checking of the thermostat and the sensor;
- checking of door and door seal.

### Spare Parts

Spare parts for the purpose of repairing this appliance, as stipulated in Annex II to the REGULATION (EU) 2019/2016, are available for at least eight years, counted from the date of introduction of the last appliance of this model to market.

### 7 Possible Malfunctions

The table below contains descriptions of possible causes and solutions to malfunctions or errors during operation of the appliance. The works may only be performed by suitably qualified technical personnel.

When malfunction cannot be removed, contact the technical service. In such a case, provide article number, model and serial number. You will find this information on the rating plate.

Malfunction	Possible Cause	Solution
Connected appliance does not work, green power light does not come on	Plug not connected properly	Remove the plug and insert it properly into a socket
	Electric power supply safety fuse damaged	Check the fuse, connect the appliance to another socket and check it
	No power supply	Check the electric power supply
Temperature rise indicator illuminates red	Appliance switched on for the first time or was switched off for a long time (e.g., to defrost or after a power failure)	If possible, check and remedy the cause If this indicator does not go out after 6 hours, this means that the compressor is running continuously or is not switching on
	Appliance door open or opened too often	Contact the service company
	Too much fresh food in the appliance, internal temperature has risen to over -9°C	

## Possible Malfunctions

Malfunction	Possible Cause	Solution
The temperature in the appliance is too high, short interruptions in the operation of the compressor	Appliance door not tightly closed / opened for too long	Close the appliance door, observe door open time
	Too many food products in the appliance	Remove excess food from the appliance
	Food in appliance too warm	Allow food to cool to room temperature before freezing
Noise level of the appliance rises	Appliance is not placed on an even surface	Place the appliance on an even surface
	Appliance touches walls or other objects	Ensure sufficient distance between the appliance and walls or other objects
Door seal bulge when door is opened	Door seal contaminated with tacky food products (grease, syrup, etc.)	Clean the door seal and the seal recess with warm water and a soft cloth, dry thoroughly and refit the door seal
Appliance surface is covered with steam	Air humidity in the surrounding exceeds 70%	Ventilate the room Remove cause of high humidity

### The following phenomena are not malfunctions:

Various sounds that are generated by the appliance during operation are a normal phenomenon and do not indicate any malfunctions.

- Splashing, bubbling and hums are generated by the coolant that circulates the system.
- Short, louder whirring/hooting or clicking sounds may be heard when the compressor of the appliance starts for the pre-set temperature of the appliance internal chamber be restored.

## 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.