



## **INSTRUCTIONS FOR USE AND CLEANING**

### **Freestanding refrigerators and freezers**



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## INTRODUCTION:

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The device complies with all safety regulations, to prevent any accidents when used as intended. The components of the device were selected according to the requirements and regulations of the food industry. The ventilator motor complies with EU regulations and standards (EN60079-15 ATEX). The paints used provide protection against corrosion and are not harmful to health. No carcinogenic substances (such as asbestos, beryllium, etc.) or radioactive substances were used during the production of the device.

If you have to remove the cover for maintenance, repair work or remove certain safety devices, be sure to switch the device off beforehand (pull out the mains plug)!

The device works with the corresponding basic settings. In general, it is not required and not recommended to change them. If you still find it necessary to change the settings, you can do so at your own risk. **Damage caused by incorrect user programming is not covered by the warranty.** The manufacturer reserves the right to make technical changes to improve the machine.

**Attention: The guarantee is only valid by intended use, proper maintenance and regular cleaning!**

The manufacturer takes no responsibility for damages caused by improper use and by unprofessional maintenance and repair work, as well as for the proper functioning of non-original spare parts.

## INSTALLATION

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The followings are required for the use and installation of the devices:

- General education and specialist knowledge, interpretation and compliance with this user manual
- the most important safety and hygiene knowledge.

**WARNING:** It is not recommended to transport the device laid down. If the device was delivered laid down by mistake, it must be set up vertically for at least 2 days before being used! The warranty does not cover damage caused by laid down shipping!

### DEVICE PLACEMENT:

Make sure the device is perfectly in horizontal position. The horizontal position ensures proper operation. The door of the incorrectly positioned appliance does not close properly. Leave a space behind the unit to ensure ventilation of the condenser and compressor!

Do not place the refrigerator near a heat source or in a place exposed to direct sunlight, as this will increase energy consumption!

**ATTENTION:** In the case of devices equipped with wheels, it is essential to brake the wheels after final installation in order to secure the device.

### Please follow the instructions below:

Before connecting the device, clean the accessories and the inside of the device with lukewarm water and washing-up liquid.

**WARNING:** Before using it for the first time, it is advisable (especially in the case of freezers) to set the device first to medium temperature, then approx. 2 hours later, perform a manual defrost to allow the condensate that has accumulated in the evaporator to be cleaned.

## ELECTRICAL CONNECTION

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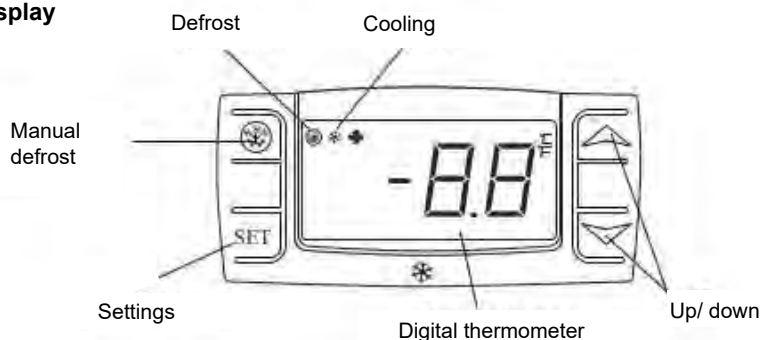
Before making the electrical connection, make sure that the voltage and frequency specified on the rating plate match the values of the mains supply. The plug of the electrical power cord is of this type. If the mains outlet is not grounded, connect the equipment to a separate grounding terminal in accordance with local ordinances, after consulting a qualified electrician. The manufacturer declines all responsibility if these safety precautions are not observed.

## SWITCH ON, PROGRAM

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### Turn on the device

#### Control buttons on the display



1. Close the appliance door.
2. Connect the device to the mains supply.
3. Turn on the device. The display shows the current temperature.
4. The refrigeration button will flash for a few seconds to indicate the delay before the compressor motor starts.

#### Display of the factory-set values

1. Press and release the Set button, the set values will be shown on the display.
2. Short press and release the set button again, or wait 5 seconds and the display will return to normal mode.

#### Changing the set temperature

*The device works with the corresponding basic settings. In general, it is not required and not recommended to deviate from it.*

1. Press the setup button for at least 2 seconds to change the factory settings.
2. The set values appear on the display and °C starts flashing. You can set the desired value within ten seconds using the up/down buttons.
3. Press the Set button again or wait 10 seconds to save the newly set values.

#### Start the automatic defrost

Press longer on the defrost button and the defrost cycle will begin.

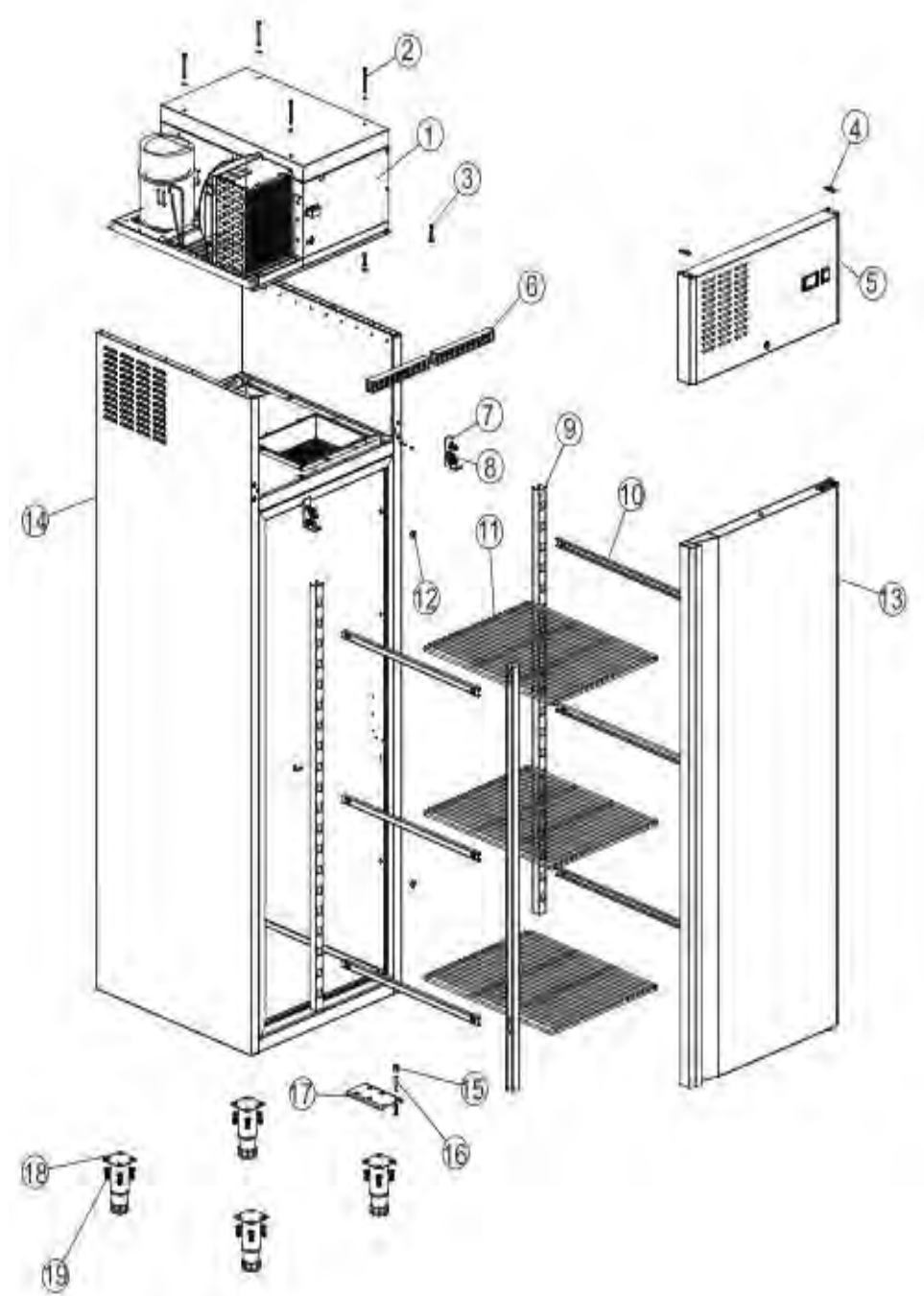
#### Additional Instructions

Consult a qualified professional for help if you want to change settings on the control unit. Damage caused by incorrect user programming is not covered by the warranty.

## MAIN PARTS

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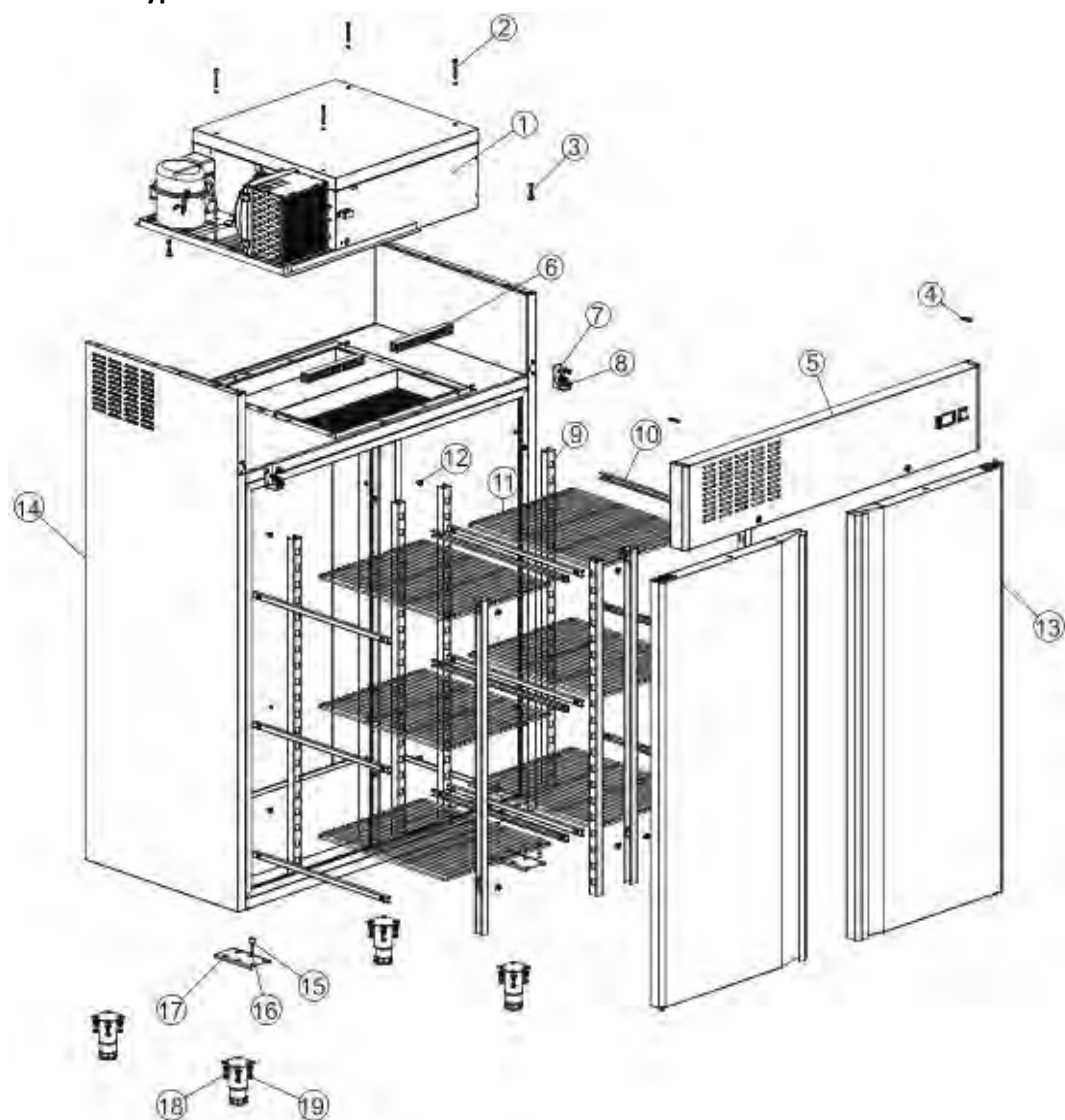
### Single door types



- 1. Compressor cover plate
- 2. Top cover plate screws
- 3. Compressor cover plate bolts
- 4. Front hinge
- 5. Front Cover Plate
- 6. Cable routing
- 7. Upper door hinge
- 8. Upper door hinge screw
- 9. Rail Support Column
- 10. Rail

- 11. Grid
- 12. Rail support column mounting screw
- 13. Door
- 14. Device housing
- 15. Spacers
- 16. Door hinge
- 17. Bottom hinge
- 18. Foot
- 19. Foot fixing screw

## Two-door types



1. Compressor cover plate
2. Top cover plate screws
3. Compressor cover plate bolts
4. Front hinge
5. Front Cover Plate
6. Cable routing
7. Upper door hinge
8. Upper door hinge screw
9. Rail Support Column
10. Rail

11. Grid
12. Rail support column mounting screw
13. Door
14. Device housing
15. Spacers
16. Door hinge
17. Bottom hinge
18. Foot
19. Foot fixing screw

## TECHNICAL SPECIFICATIONS

Model	Supply Voltage	Temperature Range	Capacity (Litres)	Outer Size (mm)	Weight (Kg)
DF200S/S	230V 50Hz	-18°C ~ -23°C	145	598x623x880 mm	48
DF400S/S	240V 50Hz	-10°C ~ -22°C	360	600x615x1870mm	77
DF600S/S	230V 50Hz	-10°C ~ -22°C	580	775x735x1870mm	103
DR200GS/S	230V 50Hz	0°C ~ +8°C	121	598x623x880 mm	48
DR200S/S	230V 50Hz	0°C ~ +8°C	121	598x623x880 mm	50
DR400GS/S	240V 50Hz	0°C ~ +10°C	400	600x700x1850 mm	74
DR400S/S	240V 50Hz	0°C ~ +10°C	400	600x700x1850 mm	74
DR600 S/S	230V 50Hz	0°C ~ +10°C	580	775x735x1870 mm	99
DR600GS/S	230V 50Hz	0°C ~ +10°C	600	775x735x1870 mm	99
GE800BT	230V 50Hz	-18°C ~ -22°C	852	740x990x2010 mm	162
GN1200BTGMV	230V 50Hz	-10°C ~ -20°C	1173	1340x810x2000 mm	198
GN1200BTGV	240V 50Hz	-18°C ~ -22°C	1173	1340x810x2000 mm	198
GN1200TNGMV	240V 50Hz	-2°C ~ +8°C	1173	1340x810x2000 mm	195
GN1200TNGV	230V 50Hz	+2°C ~ +8°C	1173	1340x810x2000 mm	185
GN1410BT	230V 50Hz	-18°C ~ -22°C	1476	1480x830x2010 mm	202
GN1410BTG	230V 50Hz	-18°C ~ -22°C	1476	1480x830x2010 mm	221
GN1410TN	230V 50Hz	-2°C ~ +8°C	1476	1480x830x2010 mm	188
GN1410TNG	230V 50Hz	-2°C ~ +8°C	1476	1480x830x2010 mm	208
GN1410TNM	230V 50Hz	-2°C ~ +8°C	1476	1480x830x2010 mm	206
GN1410TNM/2	240V 50Hz	-2°C ~ +8°C	1476	1480x830x2010 mm	202
GN600BT	240V 50Hz	-10°C ~ -20°C	600	680x810x2000 mm	135
GN600TN	230V 50Hz	-2°C ~ +8°C	600	680x810x2000 mm	160
GN650BT	230V 50Hz	-18°C ~ -22°C	685	740x830x2010 mm	127
GN650BTG	230V 50Hz	-18°C ~ -20°C	685	740x830x2010 mm	161
GN650TN	230V 50Hz	-2°C ~ +8°C	685	740x850x2050 mm	134
GN650TNG	230V 50Hz	-2°C ~ +8°C	685	740x830x2010 mm	129
GN650TNM	230V 50Hz	-2°C ~ +8°C	685	740x830x2010 mm	125
PA800BT	240V 50Hz	-18°C ~ -22°C	852	740x990x2010 mm	143
PA800TN	230V 50Hz	-2°C ~ +8°C	852	740x990x2010 mm	143

## PROPER USE

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In order to keep the performance of the device sufficient, observe the following:

- Use the device indoors.
- Set up the device in such a way that adequate ventilation is guaranteed! Do not cover the ventilation openings of the device.
- Do not open the refrigerator door unnecessarily. Wait a few seconds before trying to open the closed door again.
- Always close the door after using the device.
- Do not put hot food in the device.
- Only place food in the appliance when it has already reached its operating temperature.
- Do not put too many goods in the device that will block the flow of cold air.
- Clean condenser and compressor regularly! If they are very dusty, they will block the ventilation, so the cooler may use more energy or can even be damaged.
- Defrost the unit regularly (units with non-automatic defrost) as the layer of ice insulates and increases energy consumption. Devices with automatic defrosting usually carry out a defrosting cycle every 6 hours. Start manual defrosting on automatic devices: Hold down the defrost button.
- The maximum load capacity of the shelves is 30 kg.
- In freezers, the suitable temperature is -18 °C.
- Do not load the refrigerator! If more food than recommended is stored in the refrigerator, more energy is used or the door can be left open more easily.
- Put the food stored in the refrigerator, preferably far apart to ensure the flow of cold air!
- Do not block the operation of the internal fans.
- Do not let people with restricted, impaired physical or mental abilities use the device.
- Do not leave the device unattended when children are nearby.
- Maximum external ambient temperature: 55% humidity, +38 °C.

## FOOD STORAGE

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The main causes of food spoilage are the bacteria that live in the cells. The growth of bacteria can be slowed down by lowering the temperature of the food. All foods require temperature and environmental conditions determined by their unique properties. Preservation can be done in a refrigerator, refrigerated worktop, freezer, refrigerated cells or mini-cells, etc.

In order to use the best appliance you have purchased for storing food, we recommend to consider the:

- Freezing point
- Durability Characteristics unique to each product

**The maximum temperature (°C) for the preservation of raw products:**

Fish	+0/+4
Meat	+2/+4
Poultry	+1/+4
Vegetable	+4/+10
Fruit	+4/+8
Eggs and egg based products	+6/+8
Pasteurized milk and fresh dairy products	+2/+6
Cold cuts and cheese	+4/+8
Frozen Meat	-12
Ice cream	-20
Frozen products	-18

## **CONTINUOUS MAINTENANCE, CONSERVATION OF TECHNICAL CONDITION**

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Continuous and professional maintenance extends the life of your device and guarantees safe use.

**ATTENTION: WARRANTY CAN ONLY BE PROVIDED FOR DEVICES THAT ARE CONTINUOUSLY MAINTAINED AND REGULARLY CLEANED!**

**ATTENTION:** Disconnect the machine from the power supply before all cleaning and maintenance work.

### **Cleaning from the outside**

We recommend the following:

- Cleaning agents: with soapy water or a special cleaning agent suitable for protecting the surface. Do not use corrosive, acidic or alkaline substances.
- Cleaning tool: cloth or sponge.
- Frequency: recommended once a week.

### **Defrosting**

Regular defrosting is required for proper use. This can be done manually or automatically. Devices with automatic defrosting usually carry out a defrosting cycle every 6 hours. Start manual defrosting on automatic devices: Hold down the defrost button.

### **Cleaning of the condenser**

The performance of the cooling unit also depends on the deposits that accumulate in the condenser, so it is important to clean it. Be sure to unplug the device before cleaning. **The cleaning of the condenser is the responsibility of the user, a clean condenser is a prerequisite for proper use.**

- Clean the lamellas from dust and accumulated dirt in horizontal movements with a brush.
- For greasy dirt, use a brush dipped in alcohol. Then restart your device.
- Frequency: recommended once a month.

**ATTENTION:** Due to the sharp edges, the use of protective gloves is recommended!

### **Clean the evaporator/compressor**

Since the evaporator of the monoblock is in the same cold room than food, it is important to keep it clean at all times from a hygienic and health point of view. Before the procedure, remove the food to avoid contamination.

During normal use, the melted water will automatically exit by the evaporator of the refrigerator compartment when the compressor stops. The water produced by de-icing in the cooler or on top of the cooler, through the trough-like channel under the monoblock, reaches the tank above the compressor, where it evaporates. It is important to clean regularly the meltwater drain that leads the water during defrosting to prevent the water from flowing into the storage room and damaging the unit or the stored goods. Regular cleaning is the responsibility of the user.

From time to time also check the integrity and condition of the electrical wiring.

**ATTENTION:** It is strictly forbidden to remove the safety covers of the device during maintenance. **Disconnect the machine from the mains before cleaning or maintenance work.** The manufacturer is not responsible for non-compliance with the instructions for use.

**Observance of the instructions for use is necessary in order for adequate performance and service life of the device.** Maintenance and cleaning work should be carried out by persons who have received occupational safety training and who have also been informed about the content of this user manual.

**ATTENTION:** Repair work may only be carried out by suitably qualified specialist personnel. Do not attempt to repair parts yourself or replace it as this is dangerous and invalidates the warranty.

## WHEN THE DEVICE IS NOT IN USE

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**If the device will not be used for a long period of time, take the following precautions:**

1. Disconnect the device from the electrical supply network.
2. Take out all the food.
3. Defrost (if necessary) and clean the appliance and all accessories.
4. Clean the device and all accessories.
5. Leave the door(s) ajar to prevent unpleasant odors.

## TROUBLESHOOTING

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Your device may malfunction unexpectedly. Before calling for service, use the following list to verify that the problem is not an easy one to fix.

Mistake	Possible Cause	Solution
The device is not working.	The device is not switched on.	Check that the plug is plugged in and the device is switched on.
	The plug/cable is damaged.	Call an electrician.
	The fuse has blown.	Replace the fuse.
	Blackout	Check the network.
	Internal connection error.	Call an electrician.

Mistake	Possible Cause	Solution
The device is switched on, but the temperature is too high/too low.	The condenser is frozen.	Scan your device.
	The condenser is clogged.	Clean the condenser.
	Poorly closing doors.	Check that the doors are properly closed.
	The cooler is located next to a heater or the free flow of air to the condenser is not guaranteed.	Set up the device in a suitable location, ensure free air flow in the device.
	The ambient temperature is too high.	Provide adequate ventilation around the device or move the device to a cooler location.
	Improperly stored food in the refrigerator.	If you remove any food that is too hot from the device or remove too much food from the device, do not obstruct the flow of cold air.
	The device is overloaded.	Put fewer goods in the device.
Water flows from the device.	The device is not in level.	Place the device in a horizontal position.
	The outlet is clogged.	Clean the water drain.
	The water cannot drain away.	Clear all debris from the waterway.
	The container is damaged.	Call a professional.
	Evaporator pan overflows.	Empty the evaporator dish.
The device is unusually loud	The safety locks have not been removed.	Remove the security locks.
	Check the connections and the tightness of the screws.	You need to tighten the screws.

## SHIPPING, PACKAGING

The devices are always packed in accordance with the current regulations. The packaging protects the product from possible damage during transport. Delivery and movement should preferably be done with the help of suitable machinery and equipment. It is recommended to cover devices or transport them in a vehicle with a closed loading area. When transporting, make sure that the device is properly fastened and cannot move, fall over or be damaged. It is recommended to transport the refrigerators upright! If the unit will be evaluated during the assessment, ask a professional about the condition of the refrigerator before installing it.

## WASTE MANAGEMENT

If the fridge is worn out or needs to be replaced, you can return your old appliance to the retailer for a fee. They take care of the proper destruction or recycling of the returned machines.

**ATTENTION:** The parts of the refrigerator need to be treated and sorted as hazardous waste from an environmental point of view, some parts are recyclable! Be careful to protect your environment.

## GUARANTEE

The manufacturer/distributor has a 1-year guarantee and warranty. The manufacturer/distributor is not liable for damage caused by improper, non-intended use, failure to carry out regular cleaning, commissioning or maintenance, repair work carried out without qualified personnel or the installation of non-original spare parts. The foregoing will invalidate the warranty.