

Use and maintenance

**SUPERFREEZER ECO MOD. 70**



**fiocchetti**  
THE COLD MANUFACTURER



# Appliance at a glance

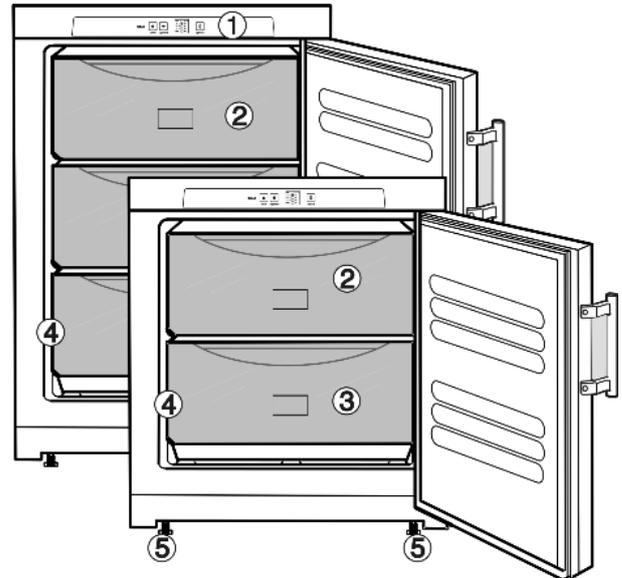


Fig. 1

- (1) Operating controls
- (2) VarioSpace
- (3) Drawer
- (4) Type plate
- (5) Adjustable feet

## 1.2 Range of appliance use

The manufacturer works constantly on the further development of all the types and models. Therefore please understand that we have to reserve the right to make design, equipment and technical modifications.

To get to know all the benefits of your new appliance, please read the information contained in these instructions carefully.

Instructions for action are marked with a ►, the results of action are marked with a ▷.

## 1 Appliance at a glance

### 1.1 Description of appliance and equipment

#### Note

- Shelves, drawers and baskets are arranged for optimum energy efficiency on delivery.

Misuse of the appliance can result in the stored products suffering harm or perishing. Furthermore, the appliance is not suitable for operation in potentially explosive atmospheres.

The appliance is set to operate within specific ambient temperature limits according to its climate rating. The correct climate rating for your appliance is indicated on the type plate.

#### Note

- Compliance with the ambient temperatures indicated is required, otherwise the cooling performance is reduced.

Climate rating	for ambient temperatures
SN-T	from +10°C to +43°C

## 1.4 External dimensions of the appliance

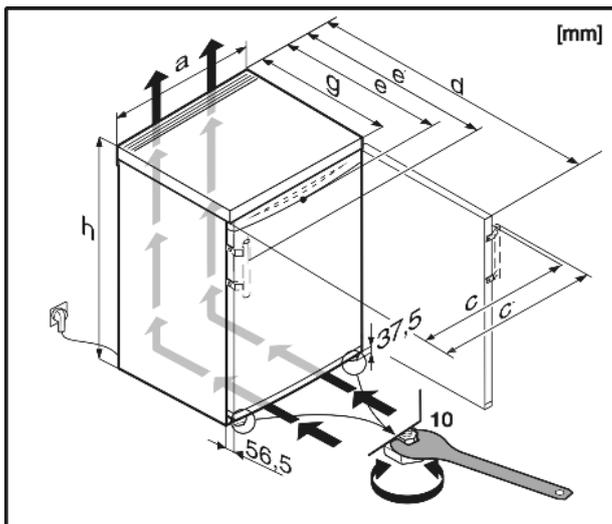


Fig. 2

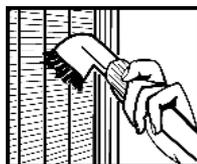
Model	h	a	g	e	e'	d	c	c'
70	631	553	611	624	653	1129	563	592

## 1.5 Saving energy

- Always ensure good ventilation. Do not cover ventilation openings or grille.
- Do not place appliance in areas of direct sunlight or next to a heater or similar object.
- The energy consumption depends on the installation conditions, e.g. the ambient temperature (see 1.2).
- Keep the time the appliance is open to a minimum.
- The lower the temperature setting, the higher the power consumption.
- Ensure that all products are well packed for storage. This will prevent frost from forming.
- If there is a thick layer of frost in the appliance: defrost the appliance.

Accumulated dust increases the energy consumption:

- Once a year, dust the refrigerating unit together with the metal grille of the heat exchanger at the back of the appliance.



## 2 General safety information

### Danger for the user:

- This appliance is not designed for persons (including children) with physical, sensory or mental impairment or persons not having sufficient experience and knowledge, unless they are instructed in the use of the appliance and are initially supervised by a person responsible for their safety. Keep children under supervision to ensure they do not play with the appliance.
- In case of a fault, pull out the mains plug (not by pulling the connecting cable) or switch off the fuse.
- Have any repairs to or intervention in the appliance, and any change of the mains power cable, carried out by the customer service only or by other specialised personnel trained for the purpose.

- When disconnecting the appliance from the supply, always take hold of the plug. Do not pull the cable.
- Install and connect the appliance only as instructed.
- Please keep these instructions in a safe place and pass them on to any subsequent owners.

### Fire hazard:

- The refrigerant R 600a is environmentally friendly but flammable. Escaping refrigerant may ignite.
  - Do not damage the refrigerant circuit pipes.
  - Do not allow naked flames or ignition sources to enter the appliance.
  - Do not use any electrical appliances in the interior
- If refrigerant escapes: eliminate naked flames or sources of ignition from the vicinity. Pull out the power plug. Ventilate the area well. Notify customer service.
- Do not store explosives or sprays using combustible propellants such as butane, propane, pentane, etc. in the appliance. To identify these spray cans, look for the list of contents printed on the can, or a flame symbol. Gases possibly escaping may ignite due to electrical components.
- Keep burning candles, lamps and other items with naked flames away from the appliance so that they do not set the appliance on fire.
- Always store high-percentage alcohol in tightly sealed, upright containers. Alcohol possibly escaping may ignite due to electrical components.

### Danger of tipping and falling:

- Do not misuse the plinth, drawers, doors etc. as a step or for support. This applies particularly to children.

### Danger of frostbite, numbness and pain:

- Avoid lasting skin contact with cold surfaces or refrigerated/frozen product or take protective steps, e.g. wear gloves.

### Please observe the specific information in the other sections:

	DANGER	identifies a situation involving direct danger which, if not obviated, may result in death or severe bodily injury.
	WARNING	identifies a dangerous situation which, if not obviated, may result in death or severe bodily injury.
	CAUTION	identifies a dangerous situation which, if not obviated, may result in minor or medium bodily injury.
	NOTICE	identifies a dangerous situation which, if not obviated, may result in damage to property.

	Note	identifies useful information and tips.
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# Controls and displays

## 3 Controls and displays

### 3.1 Operating and control elements

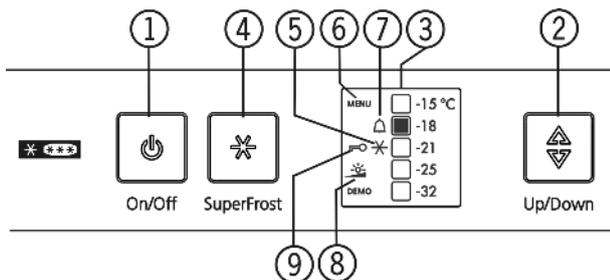


Fig. 3

- |                         |                       |
|-------------------------|-----------------------|
| (1) On/Off button       | (6) Menu symbol       |
| (2) Setting button      | (7) Alarm symbol      |
| (3) Temperature display | (8) Brightness symbol |
| (4) SuperFrost button   | (9) Child lock symbol |
| (5) SuperFrost symbol   |                       |

### 3.2 Temperature display

The following are displayed in normal operation:

- the set freezing temperature

The temperature display flashes:

- the temperature setting is being changed
- after switch-on the temperature is not yet cold enough
- the temperature has risen several degrees

## 4 Putting into operation

### 4.1 Transporting the appliance



#### CAUTION

Risk of injury and danger of damage as a result of incorrect transport!

- ▶ Transport the appliance in a packed condition.
- ▶ Transport the appliance upright.
- ▶ Do not transport the appliance without assistance.

### 4.2 Installing the appliance



#### WARNING

Fire hazard due to dampness!

If live parts or the mains lead become damp this may cause short circuits.

- ▶ The appliance is designed for use in enclosed areas. Do not operate the appliance outdoors or in areas where it is exposed to splash water or damp conditions.



#### WARNING

Risk of fire due to short circuit!

If the mains cable/connector of the appliance or of another appliance touch the rear of the appliance, the mains cable/connector may be damaged by the appliance vibrations, leading to a short circuit.

- ▶ Stand the appliance so that it is not touched by connectors or main cables.
- ▶ Do not plug the appliance or any others into sockets located near the rear of the appliance.



#### WARNING

Fire hazard due to refrigerant!

The refrigerant R 600a is environmentally friendly but flammable. Escaping refrigerant may ignite.

- ▶ Do not damage the piping of the refrigeration circuit.



#### WARNING

Fire hazard and danger of damage!

- ▶ Do not place appliances emitting heat on the appliance!



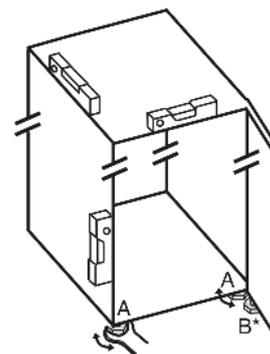
#### WARNING

Blocked ventilation openings pose a risk of fire and damage!

- ▶ Always keep the ventilation openings clear. Always ensure that the appliance is properly ventilated!

- In the event that the appliance is damaged, contact the supplier immediately before connecting to the mains.
- The floor at the site must be flat and level.
- Do not install the appliance in a location where it is exposed to direct radiation of the sun, next to a heat source and similar.
- The ideal installation site is a dry, well ventilated room.
- Always stand the appliance backed directly to the wall using the enclosed wall spacers (see below).
- The appliance may be moved only when it is empty.\*
- Do not install the appliance without assistance.
- Standard EN 378 specifies that the room in which you install your appliance must have a volume of 1 m<sup>2</sup> per 8 g of R 600a refrigerant used in the appliance. If the room in which the appliance is installed is too small, a flammable gas-air mixture may form in the event of a leakage in the refrigeration circuit. The quantity of refrigerant used in your appliance is indicated on the type plate on the inside of the appliance.

- ▶ Detach the connecting cable from the rear of the appliance, removing the cable holder at the same time because otherwise there will be vibratory noise!
- ▶ Remove all transit supports.
- ▶ Dispose of packaging material (see 4.5) .
- ▶ Align the appliance so that it stands firmly and on a level by applying the accompanying spanner to the adjustable-height feet (A) and using a spirit level.



#### Note

- ▶ Clean the appliance (see 6.2) .

If the appliance is installed in a very damp environment, condensate may form on the outside of the appliance.

- ▶ Always see to good ventilation at the installation site.

### 4.3 Changing over the door hinge\*

You can change over the door hinges if necessary.

Make sure that the following tools are at hand:

- Torx® 25

- Torx® 15
- Supplied open-ended wrench
- If necessary, a second person to assist with installation



## CAUTION

Risk of injury if the door tips!

- ▶ Take good hold of the door.
- ▶ Set down the door carefully.

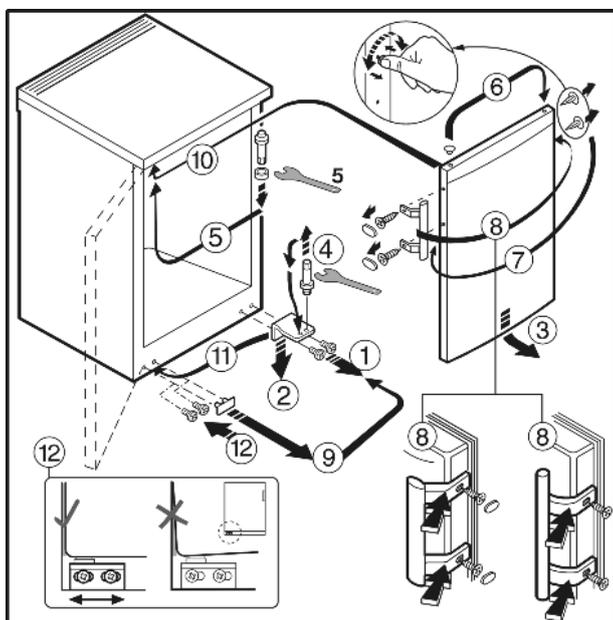


Fig. 4 On appliances with a door handle

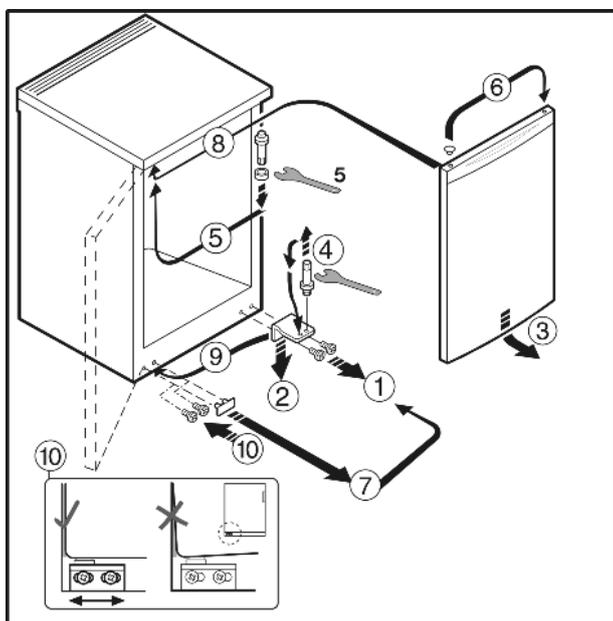


Fig. 5 On appliances without a door handle

- ▶ Follow the sequence of the item numbers in the diagram.

## 4.5 Disposing of packaging



### WARNING

Danger of suffocation due to packing material and plastic film!

- ▶ Do not allow children to play with packing material.

The packaging is made of recyclable materials:

- corrugated board/cardboard
- expanded polystyrene parts
- polythene bags and sheets
- polypropylene straps
- nailed wooden frame with polyethylene panel\*

- ▶ Take the packaging material to an official collecting point.



## 4.6 Connecting the appliance

### NOTICE

Risk of damage to the electronic control system!

- ▶ Do not use stand-alone inverters (conversion of d.c. to a.c./three-phase) or energy saving plugs.

# Control



## WARNING

Fire and overheating hazard!

- ▶ Do not use extension cables or multiple socket outlets.

The type of current (alternating current) and voltage at the installation site have to conform with the data on the type plate (see Appliance at a glance).

Connect the appliance only with a properly installed socket outlet with earthing contact. The socket outlet must be fused with 10 A or higher.



It must be easily accessible so that the appliance can be quickly disconnected from the supply in an emergency. It must be outside the area of the rear of the appliance.

- ▶ Check the electrical connection.
- ▶ Plug in the power plug.

## 4.7 Switching on the appliance

- ▶ Press the On/Off button *Fig. 3 (1)*.
- ▷ The appliance is switched on. The temperature display and Alarm symbol *Fig. 3 (7)* flash until the temperature is cold enough.

## 5 Control

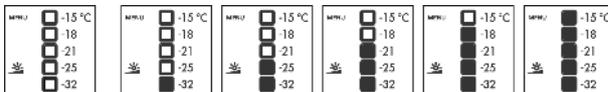
### 5.1 Brightness of the temperature display

You can adjust the brightness of the temperature display to the light conditions of the room in which the appliance is installed.

#### 5.1.1 Adjusting the brightness

The backlight can either be switched off or set to one of 5 levels. The backlight is switched off ex works.

- ▶ To activate the setting mode: Press the SuperFrost button *Fig. 3 (4)* for about 5 seconds.
- ▷ The menu symbol *Fig. 3 (6)* shines and the child lock symbol *Fig. 3 (9)* flashes.
- ▶ Press the setting button *Fig. 3 (2)* to select the brightness function.
- ▷ The child lock symbol *Fig. 3 (9)* goes out and the brightness symbol *Fig. 3 (8)* flashes.
- ▶ To confirm: Briefly press the SuperFrost button *Fig. 3 (4)*.
- ▷ The brightness symbol *Fig. 3 (8)* shines.



- ▶ Using the setting button *Fig. 3 (2)*, select either "off" or the brightness wanted. The more display fields of the temperature display that light up, the brighter it is. If no field is lit up, it means "off".
- ▶ To confirm: Press the SuperFrost button *Fig. 3 (4)*.
- ▷ The brightness symbol *Fig. 3 (8)* flashes.
- ▷ The brightness is adjusted to the new value.
- ▶ To deactivate the setting mode: Press the On/Off button *Fig. 3 (1)*.

-or-

- ▶ Wait for 5 minutes.

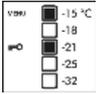
- ▷ The brightness symbol *Fig. 3 (8)* and the menu symbol *Fig. 3 (6)* go out.
- ▷ The temperature is indicated again in the temperature display.

### 5.2 Child proofing

The child-proofing function enables you to make sure that the appliance is not inadvertently switched off by children.

#### 5.2.1 To activate child lock

- ▶ To activate the setting mode: Press the SuperFrost button *Fig. 3 (4)* for about 5 seconds.
- ▷ The menu symbol *Fig. 3 (6)* shines and the child lock symbol *Fig. 3 (9)* flashes.
- ▶ Briefly press the SuperFrost button *Fig. 3 (4)* to select the child lock function.
- ▷ The child lock symbol *Fig. 3 (9)* shines. The -15 °C and -21 °C LEDs shine in the temperature display.



- ▶ Briefly press the SuperFrost button *Fig. 3 (4)* to activate the child lock.
- ▷ The child lock symbol *Fig. 3 (9)* flashes. The -15 °C and -21 °C LEDs go out.
- ▶ To deactivate the setting mode: Press the On/Off button *Fig. 3 (1)*.

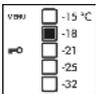
-or-

- ▶ Wait for 5 minutes.

- ▷ The menu symbol *Fig. 3 (6)* goes out and the temperature is displayed again in the temperature display. The child lock symbol *Fig. 3 (9)* shines.

#### 5.2.2 To deactivate child lock

- ▶ To activate the setting mode: Press the SuperFrost button *Fig. 3 (4)* for about 5 seconds.
- ▷ The menu symbol *Fig. 3 (6)* shines and the child lock symbol *Fig. 3 (9)* flashes.
- ▶ Briefly press the SuperFrost button *Fig. 3 (4)* to select the child lock function.
- ▷ The child lock symbol *Fig. 3 (9)* shines. The -18 °C LED shines in the temperature display.



- ▶ Briefly press the SuperFrost button *Fig. 3 (4)* to deactivate the child lock.
- ▷ The child lock symbol *Fig. 3 (9)* flashes.
- ▶ To deactivate the setting mode: Press the On/Off button *Fig. 3 (1)*.

-or-

- ▶ Wait for 5 minutes.

- ▷ The menu symbol *Fig. 3 (6)* goes out and the temperature is displayed again in the temperature display. The child lock symbol *Fig. 3 (9)* no longer shines.

### 5.3 Temperature alarm

The temperature display and the alarm symbol *Fig. 3 (7)* flash at the same time.

The Alarm symbol *Fig. 3 (7)* goes out and the temperature display stops flashing, once the temperature has reached the appropriate level of coldness again.

### 5.4 Freezing products

The maximum load of frozen products for the drawers is 25 kg each and for the shelves 35 kg each.

**CAUTION**

Risk of injury due to broken glass!

Bottles and cans may burst when being frozen. This applies particularly to sparkling fluids.

- ▶ Do not freeze bottles and cans containing fluids!

You have to activate SuperFrost in good time, depending on how many products are to be frozen: about 6 hours before placing the products inside in case of small amounts and about 24 hours in advance in case of the maximum amount of products to be frozen.

You do not have to activate SuperFrost in the following cases:

- when placing frozen goods in the freezer

### 5.8.1 Freezing with SuperFrost

- ▶ Briefly press the SuperFrost button *Fig. 3 (4)*.
- ▷ The SuperFrost symbol *Fig. 3 (5)* shines.
- ▷ The freezer temperature drops, the appliance operates with the maximum refrigerating capacity.

#### Note

- ▶ Pressing the SuperFrost button can cause the compressor to switch on up to 8 minutes later, thanks to the integrated switch-on delay. This delay increases the service life of the compressor.

In case of a small amount of products to be frozen:

- ▶ wait approx. 6 h.
- ▶ Place wrapped products in the bottom drawers.
- ▶ wait about 24 h.
- ▶ Remove bottom drawer and place products directly in the appliance so that it touches the base or sides.
- ▷ SuperFrost is automatically deactivated after about 65 h.
- ▷ The SuperFrost button *Fig. 3 (5)* extinguishes once freezing is completed.
- ▷ The temperature range set for the normal mode shines in the temperature display.
- ▶ Place products in the drawer and then push the drawer back in again.
- ▷ The appliance continues to operate in the energy-saving, normal mode.

To save energy SuperFrost can switch switched off, even before the full 65 hours of freezing time has elapsed, by pressing the SuperFrost button *Fig. 3 (4)* again. Only switch off SuperFrost once the temperature is -18 °C or colder.

## 5.7 Setting the temperature

The temperature can be changed continuously. Once the -32 °C setting is reached, it starts again with -15 °C.

- ▶ To access temperature adjustment: press setting button *Fig. 3 (2)* once.
- ▷ The LED of the current temperature flashes in the temperature display.
- ▶ Press the setting button *Fig. 3 (2)* the number of times needed until the required temperature shines in the LED display.

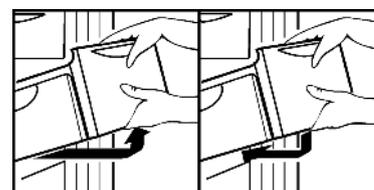
#### Note

- ▶ Long pressing of the setting button sets a slightly colder value within a small temperature range (e.g.: between -15 °C and -18 °C). The LED of the next lower temperature range then shines in the temperature display.

## 5.8 SuperFrost

In addition, frozen product already in storage is given a "cold reserve". The product stays frozen longer as a result when you defrost the appliance.

## 5.9 Drawers



- ▶ To store frozen products directly on the shelves: pull the drawer forwards and lift it out.

## 5.10 Shelves

- ▶ To remove the shelf: lift up at the front and pull out.
- ▶ To put the shelf back: simply push in as far as it will go.

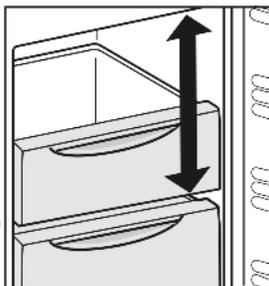


# Maintenance

## 5.11 VarioSpace

Apart from being able to remove the drawers, you can also remove the shelves, creating space for large items of frozen products.

- ▶ The maximum load of frozen goods for the drawers is 25 kg each and for the shelves 35 kg each.



## 6 Maintenance

### 6.1 Manual defrosting

The layer of frost or ice builds up faster if the appliance is opened often. However, a thick layer of ice will increase the appliance's energy consumption. You should therefore defrost the appliance regularly.



#### CAUTION

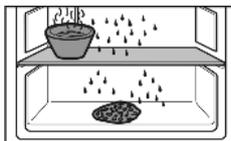
Risk of injury and damage as a result of hot steam!

- ▶ Do not use electric heaters or steam cleaners, naked flames or defrosting sprays for defrosting.
- ▶ Do not remove ice using sharp instruments.

- ▶ Switch on SuperFrost one day before defrosting.
- ▷ The frozen goods are provided with a "cold reserve".
- ▶ Switch off the appliance.
- ▷ The temperature display goes out.
- ▶ Pull out the power plug or switch off the fuse.
- ▶ If possible, put the frozen goods in the freezer drawer, wrapped in newspaper or a blanket, and store in a cool place.
- ▶ Place a pan with hot, not boiling water on a middle shelf.

-or-

- ▶ Half-fill the two lower drawers with lukewarm water and put them in the appliance.



- ▷ Defrosting is speeded up.
- ▷ Defrost water is collected in the drawers.
- ▶ Leave the door of the appliance open while defrosting.
- ▶ Remove detached pieces of ice.
- ▶ If necessary, pick up defrost water several times, using a sponge or cloth.
- ▶ Clean the appliance (see 6.2).

### 6.2 Cleaning the appliance



#### CAUTION

Risk of injury and damage as a result of hot steam!  
Hot steam may damage the surfaces and cause burns.

- ▶ Do not use any steam cleaners!

#### NOTICE

Incorrect cleaning damages the appliance!

- ▶ Do not use cleaning agents in concentrated form.
- ▶ Do not use any scouring or abrasive sponges or steel wool.
- ▶ Please do not use any aggressive, scouring, sand-, chloride-, chemical- or acid-based cleaning agents.
- ▶ Do not use chemical solvents.
- ▶ Do not damage or remove the type plate on the inside of the appliance. It is important for the customer service.
- ▶ Do not pull off, bend or damage cables or other components.
- ▶ Do not allow any cleaning water to enter the drain channel, ventilation grille or electrical parts.
- ▶ Please use soft cleaning cloths and a universal pH-neutral cleaning agent.
- ▶ Please use cleaning and care products suitable for contact with products in the appliance interior.

- ▶ **Empty appliance.**
- ▶ **Pull out the power plug.**



- ▶ Clean **plastic outer and inner surfaces** with lukewarm water and a little washing-up liquid.

#### After cleaning:

- ▶ Wipe dry the appliance and items of equipment.
- ▶ Connect the appliance and switch it on again.

### 6.3 Customer service

First check whether you can correct the fault yourself by reference to the list (see Malfunction). If this is not the case, please contact the customer service.



#### WARNING

Risk of injury if repair work is not carried out professionally!

- ▶ Have any repairs and action - not expressly specified - on the appliance and mains cable carried out by service personnel only. (see Maintenance)

- ▶ Read the appliance designation and serial number off the type plate

located inside the appliance on the left-hand side.

- ▶ Notify the customer service, specifying the fault, appliance designation and serial No.

- ▷ This will help us to provide you with a faster and more accurate service.
- ▶ Keep the appliance closed until the customer service arrives.
- ▷ The goods will stay cool longer.
- ▶ Pull out the mains plug (not by pulling the connecting cable) or switch off the fuse.

## 7 Malfunction

Your appliance is designed and manufactured for a long life span and reliable operation. If a malfunction nonetheless occurs during operation, check whether it is due to a handling error. In this case you will have to be charged for the costs

incurred, even during the warranty period. You may be able to rectify the following faults yourself:

## Appliance does not work.

- The appliance is not switched on.
- ▶ Switch on the appliance.
- The power plug is not properly inserted in the wall socket.
- ▶ Check power plug.
- The fuse of the wall socket is not in order.
- ▶ Check fuse.

## The compressor runs for a long time.

- The compressor switches to a low speed when little cold is needed. Although the running time is increased as a result, energy is saved.
- ▶ This is normal in energy-saving models.
- SuperFrost is activated.
- ▶ The compressor runs for longer in order to rapidly cool the products. This is normal.

## A LED on the bottom rear of the appliance (at the compressor) flashes regularly every 15 seconds\*.

- The inverter is equipped with a diagnostic LED.
- ▶ The flashing is normal.

## Excessive noise.

- Speed-controlled\* compressors may produce varying running noise due to different speed steps.
- ▶ The sound is normal.

## A bubbling and gurgling noise.

- This noise comes from the refrigerant flowing in the refrigeration circuit.
- ▶ The sound is normal.

## A quiet clicking noise.

- The noise is produced whenever the refrigeration unit (motor) automatically switches on or off.
- ▶ The sound is normal.

## A hum. It is briefly a little louder when the refrigeration unit (the motor) switches on.

- The refrigeration increases automatically when the SuperFrost, function is activated, products have just been placed in the appliance or the door has been left open for a while.
- ▶ The sound is normal.
- The ambient temperature is too high.
- ▶ Solution: (see 1.2)

## Vibratory noise.

- The appliance is not standing firmly on the floor. As a result, adjoining units or objects are set into vibration by the running refrigeration unit.
- ▶ Move the appliance away a little and align it using the adjustable feet.

## The SuperFrost symbol *Fig. 3 (5)* flashes together with the temperature display.

- There is a fault.
- ▶ Contact the after sales service. (see Maintenance).

## DEMO shines in the temperature display.

- The demo mode is activated.
- ▶ Contact the customer service. (see Maintenance).

## The outside surfaces of the appliance are warm.

- The heat of the refrigeration circuit is used to prevent condensate from forming.
- ▶ This is normal.

## The temperature is not cold enough.

- The door of the appliance is not properly closed.
- ▶ Close the door of the appliance.
- Insufficient ventilation.
- ▶ Clear ventilation grilles.
- The ambient temperature is too high.
- ▶ Solution: (see 1.2) .

- The appliance was opened too frequently or for too long.
- ▶ Wait until the appliance reaches the required temperature itself. If not, contact the customer service. (see Maintenance).
- Too much products were placed inside without SuperFrost.
- ▶ Solution: (see 5.8)
- The temperature is incorrectly set.
- ▶ Set to a colder temperature and check after 24 h.
- The appliance is too close to a heat source.
- ▶ Solution: (see Putting into operation).

## 8 Decommissioning

### 8.1 Switching off the appliance

- ▶ Press On/Off button *Fig. 3 (1)* for about 2 seconds.
- ▷ The temperature display is dark.

### 8.2 Taking the appliance out of service

- ▶ Empty the appliance.
- ▶ Pull out the power plug.
- ▶ Clean the appliance (see 6.2) .



- ▶ Leave the door open to prevent odour.

## 9 Disposing of the appliance

The appliance contains some reusable materials and should be disposed of properly - not simply with unsorted household refuse. Appliances which are no longer needed must be disposed of in a professional and appropriate way, in accordance with the current local regulations and laws.



When disposing of the appliance, ensure that the refrigeration circuit is not damaged to prevent uncontrolled escape of the refrigerant it contains (data on type plate) and oil.

- ▶ Disable the appliance.
- ▶ Pull out the plug.
- ▶ Cut through the connecting cable.

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Space reserved for the data sheet with the characteristics of the appliance



Space reserved for the stamp of the distributor



**fiocchetti**  
THE COLD MANUFACTURER

**C.F di Ciro Fiocchetti & C. s.n.c.**

Via Lorenzini 53 - 42045 Luzzara (RE) - Italy

tel. +39 0522 976232 - fax +39 0522 976028

[www.fiocchetti.it](http://www.fiocchetti.it) - [info@fiocchetti.it](mailto:info@fiocchetti.it)

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