Operating and installation instructions
Fridge-freezer



To avoid the risk of accidents or damage to the appliance it is **essential** to read these instructions before it is installed and used for the first time.

en-GB

M.-Nr. 10 643 660

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Warning and Safety instructions

This appliance complies with all statutory safety requirements. Please note that inappropriate use can lead to personal injury and damage to property.

To avoid the risk of accidents and damage to the appliance, please read these instructions carefully before using it for the first time. They contain important notes on installation, safety, use and maintenance.

Miele cannot be held liable for non-compliance with these instructions.

Keep these instructions in a safe place and ensure that new users are familiar with the contents. Pass them on to any future owner.

Correct application

▶ This refrigeration appliance is intended for use in the home and in similar environments, for example
– in shops, offices and similar work settings
– by the guests in hotels, motels, bed & breakfasts and other typical home settings.
This refrigeration appliance is not intended for outdoor use.

▶ This appliance is intended for domestic use only for cooling and storing food and drink as well as for storing deep frozen food, freezing fresh food and for making ice.
Any other usage is not supported by the manufacturer and could be dangerous.

▶ This appliance is not suitable for storing and keeping cool medicines, blood plasma, laboratory preparations or other such materials or products. Incorrect use of the appliance for such purposes can cause deterioration of the items stored. The appliance is not suitable for use in areas where there is a risk of explosion.
Miele cannot be held liable for damage resulting from improper or incorrect use of the appliance.

▶ The appliance can only be used by people with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, if they are supervised whilst using it, or have been shown how to use it in a safe way and recognise and understand the consequences of incorrect operation.

Safety with children

▶ Children under 8 years of age must be kept away from the appliance unless they are constantly supervised.

▶ Children 8 years and older may only use the appliance unsupervised if they have been shown how to use it in a safe way and recognise and understand the consequences of incorrect operation.

▶ Children must not be allowed to clean or maintain the appliance unsupervised.

▶ Please supervise children in the vicinity of the appliance and do not let them play with it.

▶ Danger of suffocation! Whilst playing, children could become entangled in packaging (such as plastic wrapping) or pull it over their head and suffocate. Keep packaging material away from children.

Technical safety

▶ The coolant system is tested for leaks. This appliance complies with statutory safety requirements and the appropriate EU guidelines.



▶ This appliance contains the coolant Isobutane (R600a), a natural gas which is environmentally friendly. Although it is flammable, it does not damage the ozone layer and does not increase the greenhouse effect.
The use of this coolant has, however, led to a slight increase in the noise level of the appliance. In addition to the noise of the compressor, you might be able to hear the coolant flowing around the system. This is unavoidable, and does not have any adverse effect on the performance of the appliance.
Care must be taken during the transportation and setting up of the appliance that no parts of the cooling system are damaged. Leaking coolant can damage the eyes.
In the event of any damage:

- avoid naked flames or anything which creates a spark,
- disconnect the appliance from the mains electricity supply,
- ventilate the room where the appliance is located for several minutes, and
- contact the Miele Service Department.

▶ The more coolant there is in a refrigeration appliance, the larger the room it should be installed in. In the event of a leakage, if the appliance is in a small room, there is the danger of combustible gases building up. For every 11 g of coolant at least 1 m^3 of room space is required. The amount of coolant in the appliance is stated on the data plate inside the appliance.

▶ To avoid the risk of damage to the appliance, make sure that the connection data (fuse rating, frequency and voltage) on the data plate corresponds to the household supply.
Check that this is the case before connecting the appliance. Consult a qualified electrician if in any doubt.

▶ The electrical safety of this appliance can only be guaranteed when correctly earthed. It is essential that this standard safety requirement is met. If in any doubt please have the electrical installation tested by a qualified electrician.

▶ Reliable and safe operation of this appliance can only be assured if it has been connected to the mains electricity supply.

▶ If the electrical connection cable is faulty it must only be replaced by a Miele authorised service technician to protect the user from danger.

▶ Do not connect the appliance to the mains electrical supply by a multi-socket adapter or extension lead. These are a fire hazard and do not guarantee the required safety of the appliance.

▶ If moisture gets into electrical components or into the mains connection cable, it could cause a short circuit. Therefore, do not operate this refrigeration appliance in areas which are exposed to moisture (e.g in a garage or utility room).

▶ This appliance must not be used in a non-stationary location (e.g. on a ship).

▶ Do not use a damaged appliance. It could be dangerous. Check the appliance for visible signs of damage.

▶ For safety reasons, this appliance may only be used after it has been built in.

▶ The appliance must be isolated from the electricity supply during installation, maintenance and repair work.

▶ Unauthorised installation, maintenance and repairs can cause considerable danger for the user.
Installation, maintenance and repairs must only be carried out by a Miele authorised technician.

▶ While the appliance is under warranty, repairs should only be undertaken by a Miele authorised service technician. Otherwise the warranty is invalidated.

▶ Miele can only guarantee the safety of the appliance when genuine original Miele replacement parts are used. Faulty components must only be replaced by Miele spare parts.

Correct use

▶ The appliance is designed for use within a certain climate range (ambient temperatures), and should not be used outside this range. The climate range for your appliance is stated on the data plate inside the appliance. Installing it in a room with too low an ambient temperature, e.g. a garage, will lead to the appliance switching off for longer periods so that it cannot maintain the required temperature.

▶ Do not cover or block the air vents as this could impair the efficiency of the appliance, increase the electricity consumption and could cause damage to the components.

▶ If storing food which contains a lot of fat or oil in the appliance or the door, make sure that it does not come into contact with plastic components as this could cause stress cracks or break the plastic.

▶ Do not store explosive materials in the appliance or any products containing propellants (e.g. spray cans). Electrical components could cause flammable vapours to ignite. Danger of fire and explosion.

▶ Do not operate any electrical equipment (e.g. an electric ice cream maker) inside the appliance. Danger of sparking and explosion.

▶ Do not store cans or bottles containing carbonated drinks or liquids which could freeze in the freezer. The cans or bottles could explode. Danger of injury and damage to the appliance.

▶ When cooling drinks quickly in the freezer, make sure bottles are not left in for more than one hour; otherwise they could burst, causing injury or damage.

▶ Never handle frozen food or the metal parts of the appliance with wet hands. Your hands may freeze to the frozen food or to the metal. Danger of frost burn.

▶ Do not take ice cubes out with your bare hands and never place ice cubes or ice lollies in your mouth straight from the freezer. The very low temperature of the frozen ice or lollies can cause frost burn to the lips and tongue.

▶ Do not refreeze partially or fully defrosted food. Consume defrosted food as soon as possible, as it will lose its nutritional value and spoil if left for too long. Defrosted food may only be re-frozen after it has been cooked.

▶ Observe the manufacturer's "use-by" dates and storage instructions given on food to avoid the risk of food poisoning. Storage times will depend on several factors, including the freshness and quality of the food, as well as the temperature at which it is stored.

▶ Only use genuine original Miele accessories and spare parts with this appliance. Using accessories or spare parts from other manufacturers will invalidate the warranty, and Miele cannot accept liability.

Cleaning and care

▶ Do not use any oils or grease on the door seals, as these will cause the seals to deteriorate and become porous with time.

▶ Do not use a steam cleaning appliance to clean or defrost this appliance.
Steam could reach electrical components and cause a short circuit.

▶ Sharp edged or pointed objects will damage the evaporator, causing irreversible damage to the appliance. Do not use sharp edged or pointed objects to

– remove frost and ice,

– separate frozen foods or remove ice trays.

▶ Do not place electric heaters or candles in the appliance to defrost it. These can damage the plastic parts.

▶ Do not use defrosting sprays or de-icers, as they could contain substances which could damage the plastic parts or which might cause the build-up of gases and pose a danger to health.

Transporting the appliance

▶ Always transport the appliance in an upright position and in its original transport packaging to avoid damage in transit.

▶ Danger of injury and damage. The appliance is very heavy and must be transported by two people.

Disposal of your old appliance

▶ Before disposing of an old appliance, first make the door latch or lock unusable.
This way you will prevent children from accidentally locking themselves in and endangering their lives.

▶ Splashes of coolant can damage the eyes. Be careful not to damage any part of the pipework whilst awaiting disposal, e.g. by

- puncturing the coolant channels in the condenser,
- bending any pipework, or
- scratching the surface coating.

Symbol on the compressor (depending on model)

This information is only relevant for recycling. In normal operation there is no risk.



▶ The oil in the compressor can be fatal if swallowed or if it penetrates the airways.

Caring for the environment

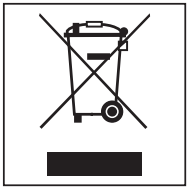
Disposal of the packing material

The packaging is designed to protect the appliance from damage during transportation. The packaging materials used are selected from materials which are environmentally friendly for disposal and should be recycled.

Recycling the packaging reduces the use of raw materials in the manufacturing process and also reduces the amount of waste in landfill sites.

Disposal of your old appliance

Electrical and electronic appliances often contain valuable materials. They also contain specific materials, compounds and components, which were essential for their correct function and safety. These could be hazardous to human health and to the environment if disposed of with your domestic waste or if handled incorrectly. Please do not, therefore, dispose of your old appliance with your household waste.



Please dispose of it at your local community waste collection / recycling centre for electrical and electronic appliances, or contact your dealer or Miele for advice. You are also responsible (by law, depending on country) for deleting any personal data that may be stored on the appliance being disposed of.

Take care not to damage the pipework at the back of it before or during transportation to an authorised collection depot.
In this way, refrigerant in the pipework and oil in the compressor will be contained, and will not leak into the environment.

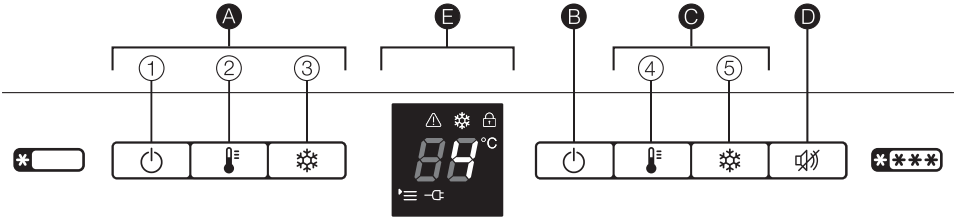
Please ensure that your old appliance presents no danger to children while being stored awaiting disposal. See "Warning and Safety instructions" for more information.

	Normal energy consumption	Increased energy consumption
Installation / Maintenance	In a ventilated room.	In an enclosed, unventilated room.
	Protected from direct sunlight.	In direct sunlight.
	Not near to a heat source (radiator, oven).	Near to a heat source (radiator, oven).
	Where the ideal ambient room temperature is approx. 20 °C.	Where the ambient room temperature is above 25 °C.
	Ventilation gaps uncovered and dusted regularly.	Ventilation gaps covered or dusty.
Temperature setting	Refrigerator section 4 to 5 °C	The lower the temperature, the higher the energy consumption.
	Freezer section -18 °C	

How to save energy

	Normal energy consumption	Increased energy consumption
Use	Drawers and shelves arranged as they were when the appliance was delivered.	
	Only open the door when necessary and for as short a time as possible. Store food in an organised way.	Frequent opening of the door for long periods will cause a loss of coldness. The appliance will cool down and the compressor will run for longer periods.
	Take an insulated cool bag when shopping and load food in the appliance as soon as possible. Replace any food removed as quickly as possible, before it begins to thaw. Allow hot food and drinks to cool down before placing them in the appliance.	Hot food or food at room temperature raises the temperature inside the appliance. The appliance will cool down and the compressor will run for longer periods.
	Store food covered or packaged.	The evaporation or condensation of liquids will cause a loss of coldness.
	Place frozen food in the refrigerator to defrost.	
	Do not over-fill the appliance to allow air to circulate.	Poor air circulation will cause a loss of coldness.

Control panel



Ⓐ Controls, refrigerator section

① On/Off switch for the refrigerator section

② Temperature selector button

③ Super cool button (automatic temperature distribution)

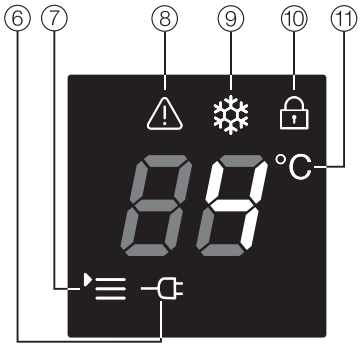
Ⓑ Main On/Off switch for the whole appliance

Ⓒ Controls, freezer section

④ Temperature selector button

⑤ Super freeze button

Ⓓ Alarm off button



Ⓔ Display

⑥ Mains connection symbol

⑦ Menu symbol (Settings mode for: switching the safety lock on/off)

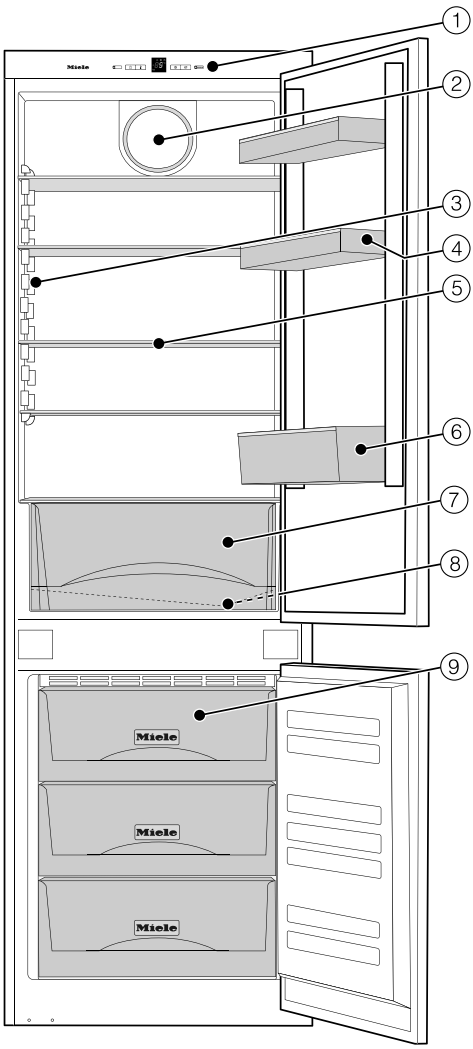
⑧ Alarm symbol

⑨ Super cool/Super freeze symbol

⑩ Lock symbol

⑪ Temperature display

Guide to the appliance



This drawing is for illustration purposes only.

① Control panel
② Fan
③ Interior lighting
④ Door shelf / Egg tray
⑤ Adjustable shelf
⑥ Bottle shelf
⑦ Fruit and vegetable drawer
⑧ Condensate channel and drain hole
⑨ Freezer drawers

Optional accessories

A range of useful Miele accessories and care products are available for your appliance.

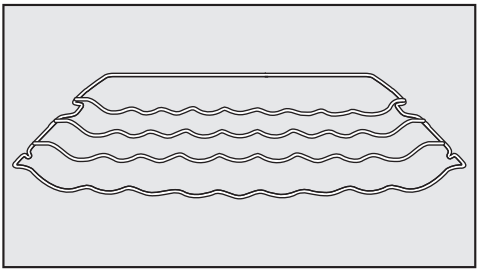
Multi-purpose microfibre cloth

The microfibre cloth is suitable for removing fingerprints and light soiling from surfaces such as stainless steel, glass, plastic and chrome without the use of chemicals.

MicroCloth Kit

The MicroCloth Kit contains a universal cloth, a glass cloth and a polishing cloth.
These cloths are extremely rip-proof and hard-wearing. Thanks to very fine microfibres these cloths achieve excellent cleaning results.

Bottle rack



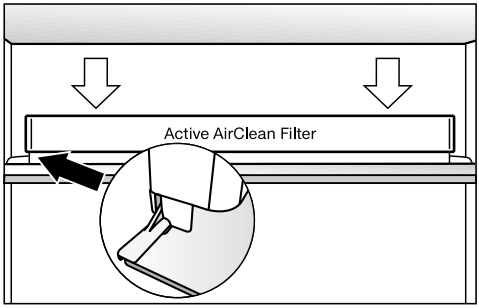
Bottles can be stored horizontally using the bottle rack to save space.
The bottle rack can be placed at different positions in the appliance.

Split shelf

In order to accommodate tall items in the appliance, one of the shelves is divided. The front section can be pushed under the rear section.

KKF-FF Active AirClean charcoal filters with holder

Charcoal filters neutralise unpleasant odours in the refrigerator section for improved air quality.



The charcoal filter holder clips onto the protective strip at the back of the shelf and can be moved as necessary.

KKF-RF
Active AirClean replacement filters

Replacement filters to the fit the Active AirClean holder are available. We recommend replacing the charcoal filters every 6 months.

Accessories are available to order via the Miele Webshop, from Miele directly (see back cover for contact details) or from your Miele dealer.

Before using for the first time

Packaging material

- Remove all packaging material from the inside of the appliance.

Protective foil

The stainless steel trim to the interior shelves and the door shelves has a layer of protective foil to prevent damage during transportation.

- Carefully remove the protective foil from the stainless steel trim.

Cleaning

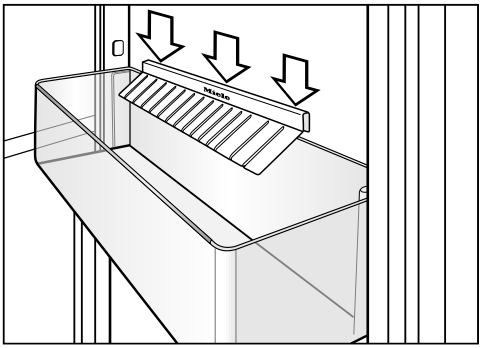
Please refer to the relevant instructions in "Cleaning and care".

- Clean the inside of the appliance and the accessories.

Accessories

- Bottle holder

The flexible ribs grip the bottles securely when the door is opened and closed.



- Attach the bottle holder centrally along the rear edge of the bottle shelf, as shown.

Switching on

To enable the temperature to get sufficiently cold inside the appliance, allow it to run for approx. 2 hours before placing food in it.
Do not place food in the freezer section until the temperature is at least -18 °C.

The freezer section and the refrigerator section can be switched on at the same time using the right-hand main On/Off button.



- Press the right-hand main On/Off button to switch on the freezer section and the refrigerator section.

The appliance will start to cool and the temperature required will appear in the temperature display. The refrigerator section interior lighting will come on when the door is opened.

Switching off



- To switch off the freezer section and the refrigerator section, press and hold the right-hand main On/Off button until the display goes out.

The refrigerator section and freezer section are switched off. If this is does not happen, the safety lock is still activated (see "Selecting further settings - To deactivate the safety lock).

The refrigerator section interior lighting will go out and the cooling process will be switched off.

Switching off the refrigerator section separately

The refrigerator section can be switched off without having to switch off the freezer section. This is useful, e.g. whilst on holiday.



- To switch off the refrigerator section, press the left-hand On/Off button until the display goes out.

The interior lighting and the temperature display for the refrigerator section will go out. The refrigerator section is switched off. The temperature display for the freezer section will remain on.

Switching the refrigerator section back on again

The refrigerator section can also be switched back on again separately.



- To switch the refrigerator section on, press the left-hand On/Off button.

The temperature display for the refrigerator section lights up. The refrigerator section starts to cool and the interior lighting comes on when the door is opened.

Switching off for longer periods of time

⚠ If, during a long absence, the appliance is switched off but not cleaned and the door(s) left shut, there is a danger of mould building up inside the appliance.
It is essential to clean the appliance.

If the appliance is not going to be used for a longer period of time, e.g. whilst on holiday:

- switch the appliance off,
- disconnect it from the mains,
- clean the appliance and
- leave the door(s) ajar to air the appliance and avoid odours building up inside the appliance.

It is also advisable to carry out the last two instructions if you are switching the refrigerator section off for a longer period of time.

It is very important to set the correct temperature for storing food in the appliance. Micro-organisms will cause food which is not stored at the correct temperature to deteriorate rapidly. Temperature influences the growth rate of these micro-organisms. Reducing the temperature reduces their growth rate.

The temperature in the appliance will rise:

– the more often the door is opened and the longer it is kept open,

– the more food that is stored in it,

– the warmer the food is which is being put into it,

– the higher the ambient temperature surrounding the appliance. The appliance is designed for use within specific ambient temperatures (climate range). Do not use in ambient temperatures for which it is not designed.

. . . in the refrigerator section

We recommend a temperature of **4 °C** in the refrigerator section.

Automatic temperature distribution (DynaCool)

The fan switches on automatically when the cooling system for the refrigerator switches on. It distributes the temperature in the appliance to all areas more evenly so that all the food will be chilled to about the same degree.

. . . in the freezer section

To freeze fresh food and to store frozen food for a long time, a temperature of **-18 °C** is required. At this temperature the growth of micro-organisms is generally halted. As soon as the temperature rises above -10 °C, the micro-organisms become active in the food again so that it cannot be kept as long. For this reason, partially defrosted or fully defrosted food must not be re-frozen. Food may be re-frozen once it has been cooked, as the high temperatures achieved when cooking destroy most micro-organisms.

Temperature display

In normal operation the temperature display either shows the **required temperature in the refrigerator section** or the **required temperature in the freezer section**.

Tip: To switch between temperature displays, press the relevant button for selecting the temperature of the section you wish to view.

The **displayed temperature will flash**, if a different temperature is set.

The **required temperature in the freezer section temperature display and the alarm symbol ⚠ will flash**:

– If the temperature is not within the normal temperature display range.

– If the temperature in the appliance has risen by several degrees, indicating that the appliance is warming up too much. At the same time an alarm will sound.

This short-term loss of coldness is no cause for concern in the following circumstances:

– If the appliance doors were left open or for longer than usual, e.g. when a large amount of food is being loaded or taken out.

– If you have just placed fresh food in the appliance for freezing.

If the temperature in the freezer remains above -18 °C for a long time, check that the frozen food has not started to defrost. If it has, check that the food is safe to use and if it is, then use it as soon as possible.

Setting the temperature in the refrigerator / freezer sections

The temperature can be adjusted:

– in the refrigerator section from 1 °C to 9 °C

– in the freezer section from -15 °C to -26 °C.

The temperatures for the refrigerator section and the freezer section can be adjusted using the relevant button for setting the temperature.



■ Press the button for setting the temperature repeatedly until the temperature you want lights up in the temperature display.

The first time you press the button the last temperature set will flash in the display.

The temperature value will change until the highest setting is reached. It will then drop back to the lowest setting.

After a short while the newly selected temperature is set and will appear in the temperature display.
The refrigerator section temperature set will now light up. The temperature set for the freezer section will now flash until the temperature has been reached.

The temperature in the appliance will now adjust slowly to the newly set temperature.

Using Super cool and Super freeze

Super cool function

The Super cool function can be used to rapidly reduce the temperature in the refrigerator section to its lowest setting (depending on the room temperature).

Super cool is particularly recommended for the rapid chilling of large amounts of fresh food or drink.

The Super cool function can be switched on if the temperature in the refrigerator section is visible in the temperature display.

Switching on Super cool



■ Press the Super cool button.

The Super cool ❄ symbol will light up. The appliance will work at full power to lower the temperature in the refrigerator section.

Switching off Super cool

The Super cool function will switch itself off automatically after approx. 12 hours. The Super cool ❄ symbol will go out and the appliance will run at normal power again.

To save energy, the Super cool function can be switched off once food and drinks are sufficiently chilled.



■ Press the Super cool button until the ❄ symbol goes out.

The appliance will then continue running at normal power.

Super freeze function

Switch on Super freeze before putting fresh food into the freezer.

This helps food to freeze quickly and retain its nutrients, vitamins, flavours and appearance.

Exceptions:

– when placing food in the freezer that is already frozen.

– when freezing up to 1 kg fresh food daily.

The Super freeze functiuon can be switched on if the temperature in the freezer section is visible in the temperature display.

Switching on Super freeze

The Super freeze function should be switched on **6 hours before placing food in the freezer section**. When freezing the **maximum amount of food** the Super freeze function should be switched on **24 hours beforehand**.



■ Press the Super freeze button briefly.

The Super freeze ❄ symbol lights up. The appliance will work at full power to lower the temperature in the freezer section.

Switching off Super freeze

The Super freeze function will switch itself off automatically after approx. 65 hours. The Super freeze ❄ symbol will go out and the appliance will run at normal power again.

To save energy, you can switch the Super freeze function off yourself before this time.



■ Press the Super freeze button until the Super freeze symbol ❄ goes out.

The appliance will then continue running at normal power.

Temperature and door alarm

The appliance has been fitted with a warning system which ensures that the temperature in the freezer cannot rise unnoticed and to avoid energy being wasted if the door is left open.

Temperature alarm

If the temperature in the freezer becomes too warm, the temperature display and the alarm symbol ⚠ will flash. An audible alarm will also sound.

The temperature the appliance is set at determines the temperature the appliance recognises as being too warm.

Audible and visual signals will be activated, for example,

– when the appliance is switched on if the temperature in the appliance differs greatly from the set temperature,

– if a lot of room air enters the freezer when food is being loaded, rearranged or taken out,

– when freezing large amounts of food at once,

– when freezing fresh food which is still warm,

– in the event of a power cut,

– if the appliance has a fault.

The alarm will stop and the alarm symbol ⚠ will go out when the temperature reaches the correct level again. The temperature display will light up again constantly.

⚠ If the temperature in the freezer remains above -18 °C for a long time, check that the frozen food has not started to defrost.
If it has, check that the food is safe to use and if it is, then use it as soon as possible or cook it before freezing it again.

Door alarm

The alarm will sound if a door is left open for more than 60 seconds.

It will stop as soon as the door is closed.

Switching the alarm off early

If the noise disturbs you, you can switch the alarm off if you wish.



■ Press the Alarm off button.

The alarm will stop.
If the alarm is due to the temperature rising, the alarm symbol ⚠ will stay on until the set temperature has been reached.

Settings mode

Settings mode is used for activating and deactivating the safety lock.

Activating or deactivating the safety lock	c

Settings mode is represented in the display by the menu symbol ›≡.

See below for instructions on how to **activate and deactivate the lock**.

Activating or deactivating the lock

The lock can be activated to prevent the appliance being switched off by mistake.

– To activate the lock



■ Press the Super freeze button for approx. 5 seconds.

The menu symbol ›≡ will light up and c will start flashing in the display.
Settings mode is now activated.



■ Press the Super freeze button briefly to access the lock function.

c1 will appear in the display.



■ Press the Super freeze button briefly to activate the lock.

The lock symbol 🔒 will light up.



■ Press the On/Off button to exit Settings mode.

The temperature will appear in the display.

– To deactivate the lock



■ Press the Super freeze button for approx. 5 seconds.

The lock symbol 🔒 and the Menu symbol ▸≡ will light up and c will start flashing in the display.
Settings mode is now activated.



■ Press the Super freeze button briefly to access the lock function.

c0 will appear in the display.



■ Press the Super freeze button briefly to deactivate the lock.

The lock symbol 🔒 will go out.



■ Press the On/Off button to exit Settings mode.

The temperature will appear in the display.

⚠ Danger of explosion.
Do not store explosive materials in the appliance or any products containing propellants (e.g. spray cans).

⚠ If storing food which contains a lot of fat or oil in the appliance or the appliance door, make sure that it does not come into contact with plastic components as this could cause stress cracks or break the plastic.
Make sure that no oil or grease leaks onto the plastic parts of the appliance. This can cause the plastic to crack and break.

Different storage zones

Due to natural air circulation there are different temperature zones in the refrigerator section.

Cold, heavy air sinks to the lowest section of the appliance. Make use of the different temperature zones when placing food in the appliance.

To allow air to circulate efficiently, do not pack food too closely together in the refrigerator.

Do not cover the fan in the rear wall of the refrigerator, as this is essential for keeping the appliance cool.

Food must not touch the back of the refrigerator section as it may freeze to the back wall.

This appliance has automatic Dynamic cooling, which helps to keep an even temperature when the fan is running, making the difference between the various zones is less pronounced.

Warmest area

The warmest area in the refrigerator section is at the top in the front area and in the door. Use this for storing butter and cheese.

Coldest area

The coldest area in the refrigerator section is directly above the fruit and vegetable drawer and at the back of the appliance.

Use these areas to store all delicate and highly perishable food, e.g.

– fish, meat, poultry,
– cold cuts, ready meals,
– dishes or baked goods containing eggs or cream,
– fresh dough, cake mixtures, pizza or quiche dough,
– soft cheese and other dairy products,
– pre-packed vegetables and other fresh food with a label stating it should be kept at a temperature of approx. 4 °C.

Food which is not suitable for storage in the refrigerator section

Not all food is suitable for refrigeration at temperatures below 5°C as some food is sensitive to cold. The appearance, consistency, taste and / or the vitamin content of certain types of food can be adversely affected by being stored in too cold a place.

Food which does not tolerate cold temperatures includes:

– Pineapples, avocados, bananas, pomegranates, mangoes, melons, papayas, passion fruit, citrus fruits (such as lemons, oranges, mandarins, grapefruit),

– Fruit which is not yet ripe

– Aubergines/eggplant, cucumbers, potatoes, peppers/capsicum, tomatoes, courgettes/zucchini,

– Some hard cheeses, e.g. Parmesan.

When shopping for food

The freshness of food when first placed in the appliance is the most important factor in determining how long it stays fresh, and how long it can be kept in the appliance.
Always observe the use-by date and the recommended storage temperature. Time out of the refrigerator should be kept to a minimum, for example, when transporting food in a hot car.

Tip: Take a cool bag with you when shopping and on return place food into the appliance immediately.

Storing food correctly

Food should generally be stored **covered or packaged** in the refrigerator section. This will prevent food smells from affecting other food, food from drying out, and also any cross-contamination of bacteria. This is especially important for storing protein-based food such as meat or fish.
The storage time of food can be increased by setting the correct temperature and maintaining good standards of hygiene.

Fruit and vegetables

Fruit and vegetables can be stored loose in the fruit and vegetable drawer.

Protein rich food

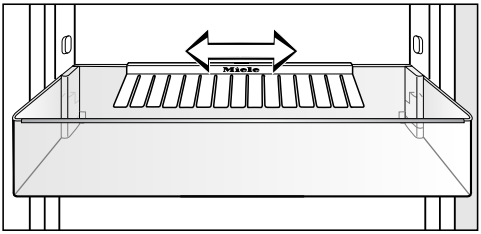
Please note that food rich in protein deteriorates faster than other types of food. Shellfish, for example, deteriorates faster than fish, and fish deteriorates faster than meat.

Adjusting the door shelf / bottle shelf

Risk of injury!
Only move door shelves / bottle shelves when they are empty.

- Push the door/bottle shelf upwards, then remove it by pulling it forwards
- Replace the shelf at the required height. Ensure that it is securely pushed back into position.

Adjusting the bottle holder



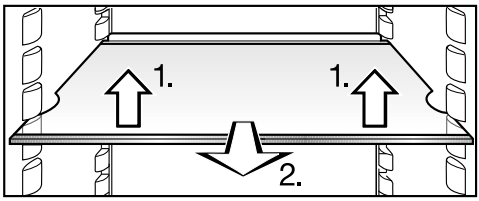
The bottle holder can be moved left or right to create more room for drink cartons.

The bottle holder can be removed completely (e.g. for cleaning):

- Push the bottle shelf upwards, then remove it by pulling it forwards
- Pull the bottle holder upwards to remove it from the rear edge of the bottle shelf.

Moving the shelves

The shelves can be adjusted according to the height of the food.



- Raise the shelf, and pull it forwards slightly until the notch at the side is in line with the shelf support. It can then be raised or lowered to the required level.

The raised edge on the protective strip at the back must face upwards to prevent food from touching the back of the appliance and freezing to it.

Stoppers prevent the shelves from being dislodged by mistake.

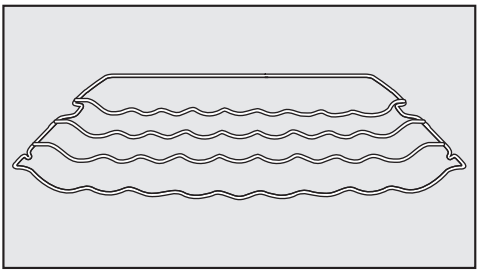
Fruit and vegetable drawer

The fruit and vegetable drawer is on rollers and can be removed for filling, emptying or cleaning purposes.

Adjusting the interior fittings

Adjusting the bottle rack

The bottle rack is available as an optional accessory (see "Accessories - optional accessories").



The bottle rack can be placed at different positions in the appliance.

- Raise the bottle rack slightly at the front, and pull it forwards a little until the notch at the side is in line with the shelf support. It can then be raised or lowered to the required level.

The rear rail must face upwards to prevent bottles from touching the back of the appliance.

Stoppers prevent the bottle rack from being dislodged by mistake.

Moving the charcoal filters

Charcoal filters and a KKF-FF (Active AirClean) holder are available as optional accessories (see "Accessories - optional accessories").

With very strong smelling food (e.g. very ripe cheese):

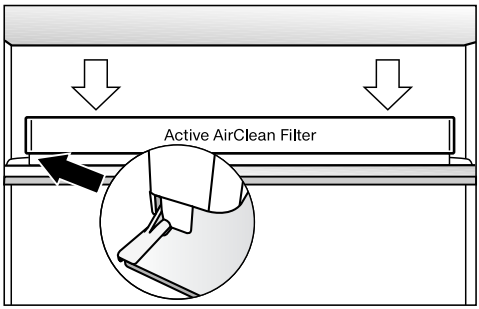
– Place the holder with the charcoal filters on the shelf where this food is kept.

– Change the charcoal filters earlier if necessary.

– Use more charcoal filters (with holders) in the appliance (see "Accessories - Optional accessories").

The holder for the charcoal filters sits on the protective strip at the back of the shelf.

- To move the charcoal filters, pull the holder upwards to remove it from the protective strip.



- Refit it on the protective strip of the shelf you wish to use it on.

Maximum freezing capacity

To ensure that fresh food placed in the freezer freezes through to the core as quickly as possible, the maximum freezing capacity must not be exceeded. The maximum freezing capacity for freezing within a 24-hour period is given on the data plate: "Freezing capacity ....kg/24 hrs".

The maximum freezing capacity given on the data plate has been calculated according to DIN EN ISO 15502 Standard.

Freezing fresh food

Fresh food should be frozen as quickly as possible. This way the nutritional value of the food, its vitamin content, appearance and taste are not impaired.

Food which takes a long time to freeze will lose more water from its cells, which then shrink. During the defrosting process, only some of this water is reabsorbed by the cells; the rest collects around the food.

If food is frozen quickly, the cells have less time to lose moisture, so they shrink less. As there is not so much moisture loss, it is easier for the food to reabsorb it during the defrosting process, and very little water collects around the defrosted food.

Storing frozen food

When buying frozen food to store in your freezer, check

– that the packaging is not damaged,

– the use-by date,

– the temperature at which the frozen food is being stored in the shop. The length of time it can be kept is reduced if it has been stored at a temperature warmer than -18 °C.

■ Buy frozen food once you have finished the rest of your shopping, and wrap it in newspaper or use a cool bag or cool box to transport it.

■ Store it in the freezer as soon as possible.

⚠ Never re-freeze partially or fully defrosted food. Consume defrosted food as soon as possible as it will lose its nutritional value and spoil if left for too long. Defrosted food may only be re-frozen after it has been cooked.

Home freezing

Only freeze fresh food which is in a good condition.

Hints on home freezing

– The following types of food **are suitable** for freezing:
Fresh meat, poultry, game, fish, vegetables, herbs, fresh fruit, dairy products, cakes, leftovers, egg yolks, egg whites and a range of precooked meals.

– The following types of food **are not suitable** for freezing:
Grapes, lettuce, radishes, soured cream, mayonnaise, eggs in their shells, onions, whole raw apples and pears.

– To retain colour, taste, aroma and vitamin C, vegetables should be blanched before they are frozen. To do so place them portion by portion into boiling water for 2–3 minutes. Remove, and plunge into ice-cold water to cool quickly. Drain and pack ready for freezing.

– Lean meat freezes better than fatty meat, and can be stored for considerably longer.

– Separate chops, steaks, cutlets etc. with a sheet of plastic freezer film. This prevents them from freezing together in a block.

– Do not salt or season raw food or blanched vegetables before freezing. Cooked food should only be lightly salted and seasoned. Some herbs intensify the taste of food when frozen.

– Placing hot foods or drinks in the freezer causes food that is already frozen to partially thaw and increases energy consumption. Allow hot foods and drinks to cool down before placing them in the freezer.

Packaging food for freezing

■ Freeze food in portions.

Suitable packing material

– Plastic freezer bags

– Tubular polythene freezer bags

– Aluminum foil

– Freezer containers

Unsuitable packing material

– Wrapping paper

– Greaseproof paper

– Cellophane

– Bin bags

– Plastic carrier bags

■ Expel as much air as possible from the packaging.

■ Close the packaging tightly with

– Rubber bands

– Plastic clips

– String

– Freezer tape

Tip: Freezer bags may also be sealed using home heat sealing kits.

■ Make a note of the contents and the date of freezing on the packaging.

Before placing food in the freezer

- When freezing more than 1 kg of fresh food, switch on the Super freeze function for some time before placing the food in the freezer (see "Using Super cool and Super freeze - Super freeze function").

This helps food which is already stored in the freezer to stay frozen.

Placing food in the freezer section

⚠ The following maximum loading weights must not be exceeded:
– freezer drawer = 25 kg
– glass cold plate = 35 kg

Unfrozen food should not touch frozen food as this will cause frozen food to begin to thaw.

- Make sure that the packaging and containers are dry to prevent them sticking together when frozen.

- Freezing small amounts of food

Place the food in the upper freezer drawers.

- Place the food flat in the bottom of the freezer drawer so that it freezes through to the core as quickly as possible.

- Freezing the maximum amount (see data plate)

Ensure ventilation slots at the back of the freezer section are always free from obstruction.
If the ventilation slots are blocked the cooling performance will decrease and energy consumption will increase.
Place food on the glass plate in such a way that the ventilation slots are not blocked.

- Remove the upper freezer drawers.
- Place the food flat on the upper glass cold plates so that it freezes through to the core as quickly as possible.

Once frozen:

- Place the frozen food in the freezer drawer and push it back in.

Storage time for frozen food

The storage life of food is very variable, even at a constant temperature of -18 °C. Decomposition processes also take place in frozen food, albeit at a very reduced speed. For example fat can become rancid from contact with oxygen in the air. This is why lean meat can be stored approx. twice as long as fatty meat.

The storage times quoted are guide values for the storage life of different food groups in the freezer section.

Food group	Storage time (Months)
Ice cream	2 to 6
Bread, baked goods	2 to 6
Cheese	2 to 4
Fish, oily	1 to 2
Fish, lean	1 to 5
Sausage, ham	1 to 3
Game, pork	1 to 12
Poultry, beef	2 to 10
Vegetables, fruit	6 to 18
Herbs	6 to 10

Where the storage time given on the packaging differs, follow the advice on the packaging.

Defrosting

Frozen food can be defrosted in different ways:

– in a microwave oven,

– in an oven using "Fan heat" or the "Defrost" setting,

– at room temperature,

– in the refrigerator section (the cold given off by the frozen food helps to keep the other food cold),

– in a steam oven.

Flat pieces of partially thawed fish can be placed directly into a hot frying pan.

Meat and poultry It is particularly important to observe food hygiene rules when defrosting poultry. Do not use the liquid from defrosted poultry. Pour it away and wash the container it was in, the sink and your hands. Danger of salmonella poisoning. Ensure that meat and fish (e.g. mince, chicken, fish fillets) do not come into contact with other foods while defrosting. Catch the liquid and dispose of it carefully.

Fruit should be defrosted at room temperature in its packaging, or in a covered bowl.

Most vegetables can be cooked while still frozen. Just put straight into boiling water or hot fat. The cooking time is slightly less than that of fresh vegetables due to changes in the cell structure.

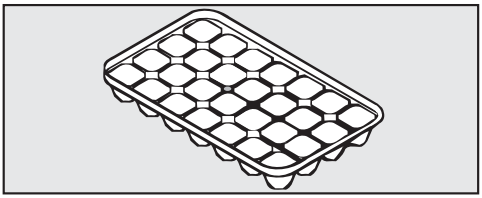
⚠ Never re-freeze partially or fully defrosted food. Consume defrosted food as soon as possible as it will lose its nutritional value and spoil if left for too long. Defrosted food may only be re-frozen after it has been cooked.

Cooling drinks quickly

When cooling drinks quickly in the freezer, make sure bottles are **not left in for more than one hour**; otherwise they could burst, causing injury and damage.

Using accessories

Ice cubes



- Fill the ice cube tray three quarters full of water and place it on the bottom of one of the freezer drawers.
- Once frozen, use a blunt instrument, for example a spoon handle, to remove the ice tray from the freezer if it is stuck.

Tip: Ice cubes can be removed easily from the tray by twisting the tray gently or by holding it under cold running water for a short time.

Adjusting the interior fittings

Removing the drawers and glass plates from the freezer

The drawers can be removed for filling, emptying or cleaning purposes.

You can also use the space in the freezer more flexibly. If you wish to freeze large items such as a turkey or game, the glass cold plates between the drawers can be removed.

- Pull out the drawers as far as they will go, and then lift them up and out.
- Lift the glass plate slightly, pull it forwards and out.

Defrosting

Refrigerator section

The refrigerator section defrosts automatically.

Condensate and frost can build up on the back wall of the refrigerator section whilst the compressor is running. You do not need to remove this, as it will defrost and evaporate automatically with the warmth generated by the compressor.

The condensate is drained away through a channel and drain hole, then fed into an evaporation system at the back of the appliance.

⚠ Condensate must be able to drain away unhindered at all times.
Keep the condensate channel and drain hole clean to enable this.

Freezer section

The appliance is equipped with a "Frost free" system. The freezer defrosts automatically.

The moisture generated in the appliance collects on the condenser and is automatically defrosted and dissipated from time to time.

This automatic defrosting system enables the freezer to remain permanently ice-free, however, the food stored in the freezer will not defrost.

⚠ Do not let water get into the electronic unit or the lighting.

⚠ Steam from a steam cleaning appliance could reach the electrical components and cause a short circuit.
Do not use a steam cleaning appliance to clean the appliance.

Cleaning water must not get into the drain hole.

The data plate located inside the appliance must not be removed. It contains information which is required in the event of a service call.

Cleaning agents

Cleaning and conditioning agents used inside the appliance must be food safe.

To avoid damaging all the surfaces of your appliance, **do not use:**

– cleaning agents containing soda, ammonia, acids or chlorides
– cleaning agents containing descaling agents
– abrasive cleaning agents, e.g. powder cleaners and cream cleaners
– solvent-based cleaning agents
– stainless steel cleaning agents
– dishwasher cleaner
– oven sprays
– glass cleaning agents
– hard, abrasive sponges and brushes, e.g. pot scourers
– melamine eraser blocks
– sharp metal scrapers

We recommend using a clean sponge, lukewarm water with a little washing-up liquid to clean surfaces of the appliance.

The following pages contain important information on cleaning.

Preparing the appliance for cleaning

■ Switch the appliance off.

The display goes out and cooling is switched off.
If this does not happen, then the safety lock is still activated (see "Selecting further settings - Activating or deactivating the safety lock").

■ Disconnect it from the mains.

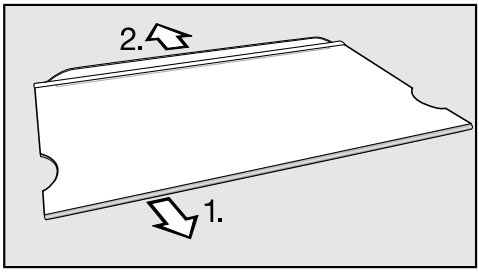
■ Take any food out of the appliance and store it in a cool place.

■ Remove the shelves and bottle shelf from the door.

■ Take out all other removable parts for cleaning.

Adjustable shelf

■ Place the shelf on a worktop covered with a soft material (e.g. a tea towel).



■ Remove the trim:

1. Pull the stainless steel trim off the shelf beginning at one side.
2. Then pull the protective strip off.

■ After cleaning the shelf reattach the trim and the protective strip.

Cleaning the interior and accessories

Clean the appliance at least once a month.

Remove soiling immediately to prevent it from drying on.

- Clean the **interior** with a clean sponge, lukewarm water and a little washing-up liquid.
- After cleaning, wipe with clean water and dry with a soft cloth.

⚠ The stainless steel parts on the shelves are not dishwasher safe.
Remove the trim before placing the shelves in the dishwasher.

The following parts **cannot be cleaned in a dishwasher**:

– the stainless steel trim

– the protective strips at the back of the adjustable shelves

– all drawers and the drawer lid (depending on model)

- These accessories should all be hand washed.

The following parts **are suitable** for cleaning in a dishwasher:

The maximum temperature of the dishwashing programme selected must not exceed 55 °C.

Contact with natural dyes from carrots, tomatoes and ketchup may discolour the plastic parts in the dishwasher.
This discolouration does not affect the stability of the parts.

– the bottle holder, egg tray, ice cube tray
(depending on model)

– the shelves and bottle shelf in the door

– the adjustable shelves (with the trim and strips removed)

– the rollers underneath the fruit and vegetable drawer

– the holder for the charcoal filter (optional accessory)

- Clean the condensate channel and drain hole frequently so that condensate can drain away unhindered. Use a straw or similar to clear the drain if necessary.
- Leave the door open to air the appliance for a short while and to prevent odours building up.

Cleaning the door seal

Do not use any grease or oil on the door seal as these will cause the seal to deteriorate and become porous over time.

- The door seal should be cleaned regularly with clean water, and then wiped dry with a soft cloth.

Cleaning the ventilation gaps

A build-up of dust will increase the energy consumption of the appliance.

- The ventilation gaps should be cleaned on a regular basis with a brush or vacuum cleaner (e.g. use the dusting brush for Miele vacuum cleaners)

After cleaning

- Replace all shelves and accessories in the appliance.
- Reconnect to the mains and switch the appliance back on.
- Switch on the Super freeze function for a while so that the freezer section can cool down quickly.
- Switch on the Super cool function for a while so that the refrigerator section can cool down quickly.
- Place food in the refrigerator section and close the door.
- Once the temperature in the freezer has reached the required temperature, place the food back in the freezer drawers and put them back in the freezer.
- Switch off the Super freeze function as soon as the temperature in the freezer is a constant -18 °C or colder.

Replacing the charcoal filters

Charcoal filters with a KKF-FF (Active AirClean) holder are available as optional accessories (see "Accessories - Optional accessories").

Replace the charcoal filters in the holder every 6 months.

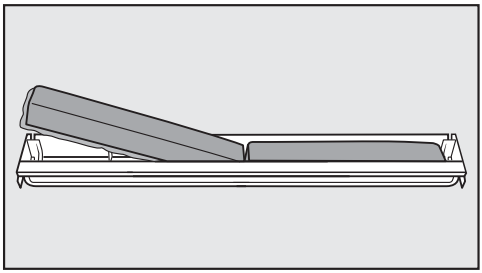
Replacement KKF-RF charcoal filters can be obtained from your Miele dealer, Miele or via the internet at www.miele-shop.com.

The charcoal filter holder is dishwasher-proof.

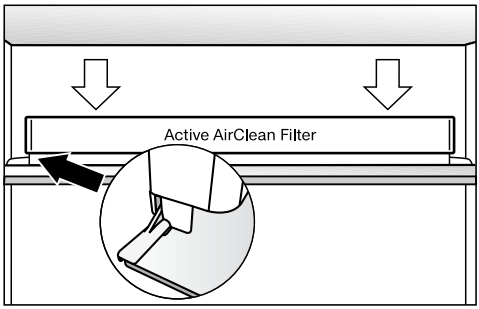
- Pull the charcoal filter holder upwards to remove it from the shelf.

When in position the charcoal filters must not touch the back wall of the appliance as the moisture could cause them to stick to the back wall.

Insert the new charcoal filters into the holder so that they do not protrude over the edge of the holder.



- Remove both charcoal filters and place the new filters with the framed edge pointing downwards in the holder.



- Place the holder in the middle of the raised edge at the back of the shelf, so that it clicks into position.

Problem solving guide

Some minor problems can be corrected without contacting Miele.
If, having followed the suggestions below, you still cannot resolve the problem, please contact Miele.

To prevent unnecessary loss of temperature it is advisable not to open the door while waiting for the appliance to be serviced.

⚠ Unauthorised installation, maintenance and repairs can cause considerable danger for the user.
Installation, maintenance and repairs must only be carried out by a Miele authorised technician.

Problem	Cause and remedy
The appliance is not getting cold, the interior lighting does not come on when the door is opened, and the display is not lit up.	The appliance is not switched on and the mains connection symbol ⏚ is lit up in the display. ■ Switch the appliance on.
	The plug is not inserted in the socket correctly. ■ Insert the plug correctly into the socket. The mains connection symbol ⏚ appears in the display when the appliance is switched off.
	Check whether the mains fuse has tripped. There could be a fault with the appliance, the household electrical wiring or another electrical appliance. ■ Contact a qualified electrician or Miele.
The compressor runs continuously.	This is not a fault. To save energy, the compressor runs at a lower speed, but for longer, when less cooling is required.

Problem	Cause and remedy
The compressor is switching on more frequently and for longer periods of time. The temperature in the appliance is too low.	The ventilation gaps have been covered or become too dusty. ■ Do not block the ventilation gaps. ■ Dust the ventilation gaps regularly.
	The doors have been opened too frequently, or a large amount of fresh food has been placed inside and/or frozen at the same time. ■ Only open the doors when necessary and for as short a time as possible. The required temperature will re-establish itself after a while.
	The appliance doors are not closed properly. A thick layer of ice may have formed in the freezer. ■ Close the appliance doors. The required temperature will re-establish itself after a while. If a thick layer of ice has formed, it will reduce efficiency and increase the energy consumption. ■ Defrost the appliance and clean it.
	The ambient room temperature is too high. The higher the room temperature, the longer the compressor will run for. ■ See "Installation - Location".
	The temperature setting is too low. ■ Adjust the temperature.
	A large amount of food is being frozen at once. ■ See "Freezing and storing food".
	The Super cool function is still switched on. ■ You can switch off the Super cool function earlier to save energy.
	The Super freeze function is still switched on. ■ You can switch off the Super freeze function earlier to save energy.

Problem solving guide

Problem	Cause and remedy
The compressor comes on less and less often and for shorter periods of time. The temperature in the appliance rises.	This is not a fault. The set temperature is too high. ■ Adjust the temperature. ■ Check the temperature again after 24 hours.
	The food begins to defrost. The room temperature is lower than the ambient temperature for which the appliance is designed. Operating in a room which is too cold will cause the compressor to switch off for too long, causing the freezer to become too warm. ■ See "Installation - Location". ■ Increase the temperature of the room.
An LED indicator light is flashing at the back of the appliance at the bottom near the compressor (depending on model).	This is not a fault. The electronic unit for the compressor is equipped with an operation and fault diagnosis LED indicator light which flashes every 15 seconds (depending on model).

Display warnings

Message	Cause and remedy
The ▮ symbol lights up in the display, the appliance does not get cold, although the controls and the interior lighting are working.	Demo mode is switched on. This allows the appliance to be presented in the showroom without the cooling system being switched on. Do not activate this setting for domestic use. ■ Contact the Miele Service Department for information on deactivating Demo mode.
The alarm symbol ⚠ and the temperature display are flashing.	The **temperature alarm** has been activated (see "Temperature and door alarm"). The temperature in the freezer section has risen higher or fallen lower than the temperature set. This could be due to, for example: – the door being opened too frequently, – a large quantity of fresh food being placed in the freezer at once without switching on the Super freeze function. – a lengthy interruption to the power supply. ■ Rectify the cause of the alarm. The alarm will stop and the alarm symbol ⚠ will go out when the temperature reaches the correct level again. ■ Depending on the temperature displayed, you should check whether food in the freezer has started to thaw or has defrosted. If it has, it should be used as soon as possible. Defrosted food may only be re-frozen after it has been cooked.
"F0 to F9" appears in the display.	There is a fault. ■ Call the Miele Service Department.

Problem solving guide

Message	Cause and remedy
The power failure and ⚠ symbols appear in the display and the alarm sounds. The temperature display will also show the warmest temperature recorded in the freezer during an interruption to the power supply or a power cut.	The temperature in the appliance in the previous days or hours has risen too high because of a power cut or interruption to the power supply. The appliance will go back to the last temperature setting when the power is back on. ■ Press the Alarm off button. The warmest temperature display will go out. The display will then revert to showing the actual temperature in the freezer. ■ Depending on the temperature displayed, you should check the condition of food in the freezer. If it has defrosted or started to defrost, check that it is still safe to use and, if it is, use it as soon as possible. Defrosted food may only be re-frozen after it has been cooked.
You cannot switch the appliance off.	The lock is activated. The 🔒 symbol is lit up in the display. ■ Deactivate the lock (see "Selecting settings - Activating or deactivating the lock").

The interior lighting is not working.

Problem	Cause and remedy
The interior lighting is not working.	The appliance has not been switched on. ■ Switch the appliance on.
	To avoid overheating, the lighting switches itself off automatically after approx. 15 minutes if the door is left open. If this is not the case, then there is a fault. ⚠ Danger of electric shock. There are live electrical components under the lighting cover. The LED lighting may only be repaired or replaced by a Miele authorised service technician. ⚠ Danger of injury from LED lighting. Light intensity corresponds to laser beam class 1/1M. The lighting covers must not be removed or damaged, or be removed due to damage. This could cause injury to your eyes. Do not look into the LED lighting (laser beam class 1/1M) with optical instruments (e.g. magnifying glass or similar). ■ Call the Miele Service Department.

Other problems

Problem	Cause and remedy
The door to the freezer will not open because it has been opened and closed too many times in succession.	This is not a fault. The suction caused by opening and closing the door is preventing the door from opening. Wait approx. 1 minute and then try again. It should now open without force.
Food has frozen together.	The food packaging was not dry when placed in the freezer. ■ Use a blunt instrument, e.g. a spoon handle or plastic scraper, to prise it apart carefully.
The external walls of the appliance feel warm.	This is not a fault. The warmth created by the evaporator is used to prevent condensation.
The floor of the refrigerator section is wet.	The condensate drain hole is blocked. ■ Clean the condensate channel and drain hole.

Normal noises	What causes them
Brrrrr ...	A humming noise is made by the motor (compressor). This noise can get louder for brief periods when the motor switches on.
Blubb, blubb ...	A gurgling noise can be heard when coolant is circulating through the pipes.
Click ...	Clicking sounds are made when the thermostat switches the motor on and off.
Sssrrrrr ...	You can sometimes just hear the sound of the fan inside the appliance.
Crack ...	A cracking sound can be heard when materials expand inside the appliance.
Remember that the noise of the compressor and the coolant circulating in the system is unavoidable.	

Noises	Cause and remedy
Rattling, vibrating	The appliance is uneven. Realign the appliance using a spirit level. Do so by raising or lowering the screw feet underneath the appliance or place something underneath it.
	The appliance is touching another appliance or piece of furniture. Move it away.
	Drawers or shelves are unstable or sticking. Check all removable items and refit them correctly.
	Bottles or containers are touching each other. Separate them.
	The transport cable clips are hanging loose at the back of the appliance. Remove them.

After sales service

In the event of any faults which you cannot easily remedy, please contact

– your Miele Dealer, or

– the Miele Service Department.

See end of this booklet for contact details. Please note that telephone calls may be monitored and recorded for training purposes and that a call-out charge will be applied to service visits where the problem could have been resolved as described in this booklet.

When contacting your Dealer or Miele, please quote the model and serial number of your appliance.

This information is given on the data plate inside your appliance.

Warranty: U.K.

In the U.K. the appliance warranty is valid for 2 years from the date of purchase. However, you must activate your cover by calling 0330 160 6640 or registering online at www.miele.co.uk.

Warranty: Other countries

For information on the appliance warranty specific to your country please contact Miele.

See end of this booklet for contact details.

The appliance is supplied with a power cable and moulded plug ready for connection to an AC 230 V 50 Hz supply.

The fuse rating must be at least 10 A (13 A in the UK).

This appliance must be connected to a suitable switched socket which is easily accessible. The electrical connection must comply with current local and national safety regulations (BS 7671 in the UK).

The accessibility of the plug must always be ensured in order to be able to quickly separate the appliance from the mains.

If the mains socket is not accessible after the appliance has been built in, a separator for each terminal must be present. There must be an all-pole contact gap of at least 3 mm in the switch (including switch, fuses and relays according to EN 60335).

The plug and mains connection cable must not come into contact with the back of the appliance as vibrations can cause damage to these components. This, in turn, could result in a short circuit.

Do not plug in other appliances behind this appliance.

Do not connect the appliance to the mains electricity supply by an extension lead. Extension leads do not guarantee the required safety of the appliance (e.g. danger of overheating).

Do not connect the appliance to an inverter such as those used with an autonomous energy source e.g. **solar power**. When switched on, peak loads in the system can cause the safety switch-off mechanism to be triggered. This can damage the electronic unit. The appliance must not be used with so-called **energy-saving devices** either. These reduce the amount of energy supplied to the appliance, causing it to overheat.

If the mains cable needs to be replaced this must be done by a suitably qualified person.

This appliance must be built in, otherwise it could tip up.

⚠ Fire risk and danger of damage! This refrigerator must not be installed underneath a hob.

Location

This appliance should be installed in a dry, well-ventilated room.

When deciding where to install your appliance please bear in mind that it will use more energy if installed near to a heater, a cooker or other appliance that gives off heat. Direct sunlight should also be avoided.
The higher the room temperature, the longer the compressor runs and the higher the energy consumption is.

When installing the appliance, please note:

– The socket must be easily accessible in an emergency, not concealed behind the appliance.

– The plug and cable must not touch the rear of the appliance as they could be damaged by vibrations from the appliance.

– Do not plug in other appliances behind this appliance.

⚠ **In environments with high humidity** condensation can build up on the external appliance panels.
Condensate can cause corrosion on external appliance panels.
For prevention, it is advisable to install the appliance where there is sufficient ventilation in a dry and/or air conditioned room.
After installation please ensure that the appliance doors close properly, the ventilation gaps are not covered and that the appliance has been installed in accordance with these installation instructions.

Climate range

The appliance is designed for use within a certain climate range (ambient temperatures) and should not be used outside this range. The climate range of the appliance is stated on the data plate inside the appliance.

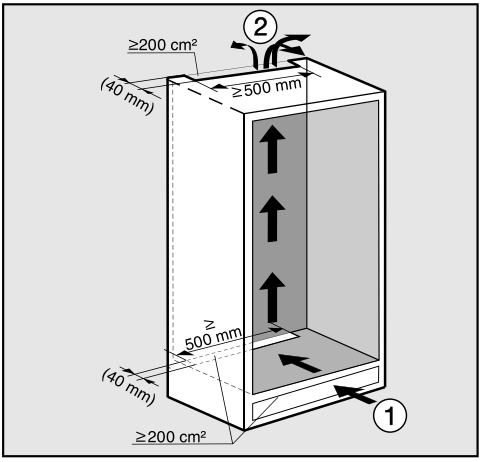
Climate range	Ambient room temperature
SN	+10 to +32 °C
N	+16 to +32 °C
ST	+16 to +38 °C
T	+16 to +43 °C

Operating in a room which is too cold will cause the compressor to switch off for too long, causing the internal temperature in the appliance to rise with the risk of food deteriorating and going off.

Ventilation

⚠ If the ventilation gaps given are not observed, the compressor will run more frequently and for longer periods.
This will result in increased energy consumption and a higher operating temperature for the compressor. This may, in turn, cause damage to the compressor.
It is essential to observe the ventilation gaps given.

Air at the back of the appliance gets warm. The appliance housing unit must therefore be constructed to allow sufficient space for ventilation (see "Building-in dimensions"):



– Air intake ① occurs via the plinth at the bottom of the appliance and the air escapes at the top ② at the back of the housing unit.
– A ventilation gap of at least 40 mm depth must be allowed for behind the appliance for air to circulate.
– The ventilation cross-sections in the plinth, housing unit and above the appliance must each provide an unobstructed airflow of at least 200 cm² to ensure that air can circulate without hindrance.

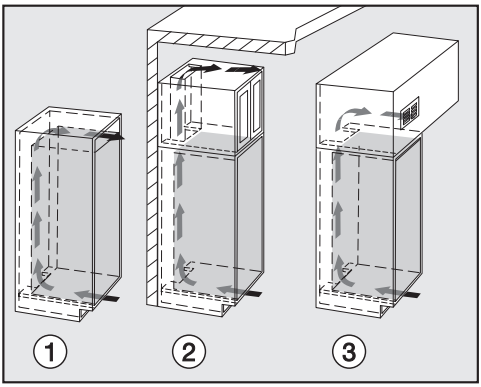
If ventilation grilles are to be inserted into the ventilation gaps, the ventilation gaps must be larger than 200 cm². The unobstructed airflow of 200 cm² is calculated by adding up the total area of ventilation openings in the grille.

– Important. The appliance uses less energy, the larger the ventilation gaps.

The ventilation gaps must not be covered or blocked in any way. They should be dusted on a regular basis.

Top ventilation gap

The ventilation gap at the top of the appliance can be constructed in different ways:



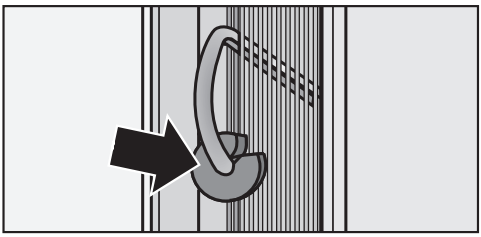
① directly above the appliance with a ventilation grille (free airflow of at least 200 cm^2).

② in between the housing unit and the ceiling

③ through a suspended ceiling.

Before installing the appliance

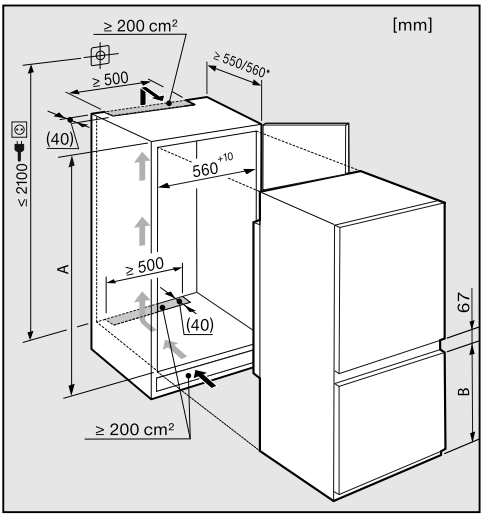
- Take the accessory pack which includes installation parts and other accessories out of the appliance and remove the packaging strap holding the door in place.
- **Do not remove** the following from the back of the appliance:



– The spacers (depending on model) These ensure the gap required between the back of the appliance and the wall is maintained.

– The bags (depending on model) located inside the metal grille (heat exchanger).
These are important for the correct functioning of the appliance. Their contents are non-toxic and are not dangerous.

- Remove the cable clip from the back of the appliance.



* The declared energy consumption was calculated in a 560 mm deep niche. The appliance is fully functional in a 550 mm niche but the energy consumption will be slightly higher.

Before installation, ensure the housing unit is the correct size. The specified ventilation cross-sections must be maintained in order to ensure the correct functioning of the appliance.

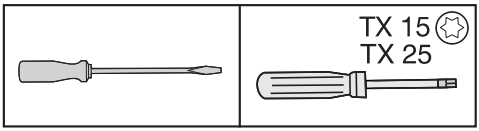
	Niche height [mm] A	Freezer section [mm] B
KFN 37132 iD	1772 – 1788	669

Changing the door hinging

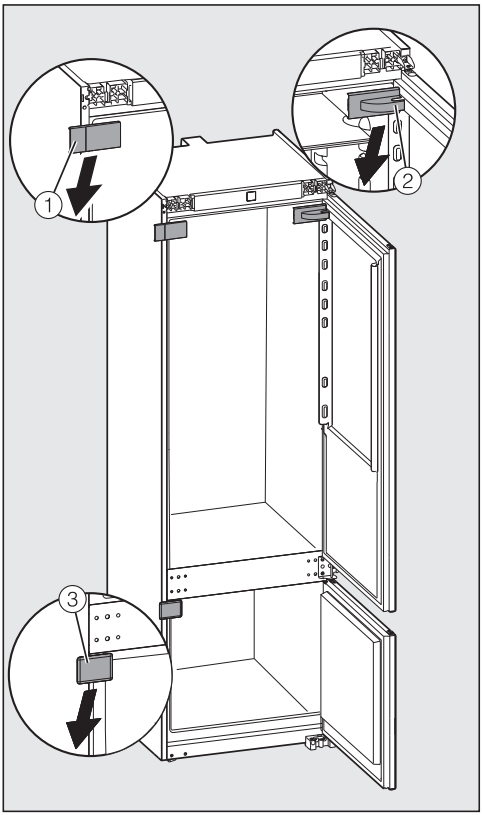
Two people are needed for changing the door hinging.

The appliance is supplied right-hand hinged. If left-hand hinging is required, the hinges must be changed.

To change the door hinging, you will need the following tools:

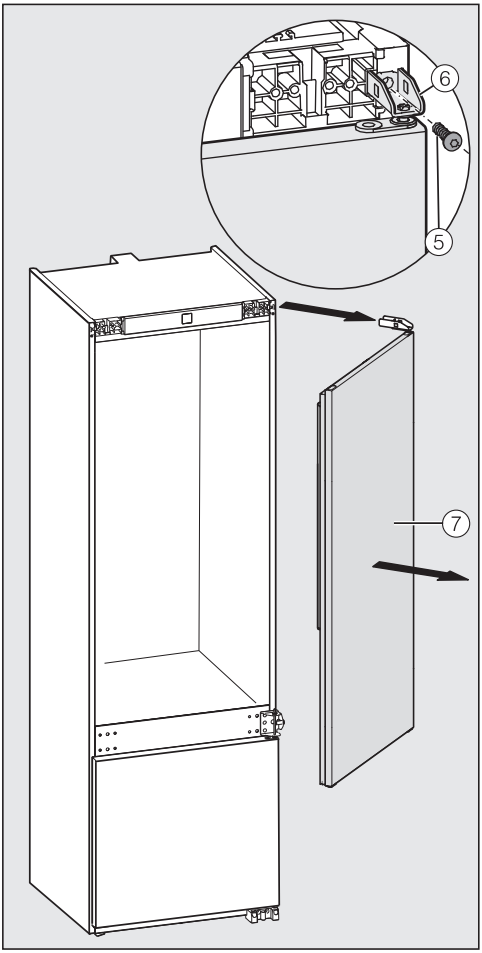


- Open both appliance doors.
- Remove the shelves/bottle shelf from the appliance door.

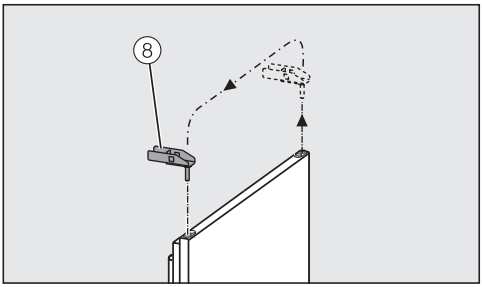


- Remove covers ①, ② and ③.

Caution.
The door is not secure as soon as the screws are removed from the bearing block.

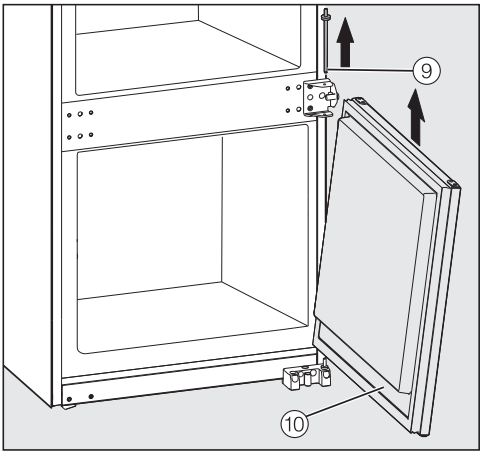


- Loosen screws ⑤ on bearing block ⑥.
- Push the appliance door ⑦ outwards, take it off its hinges and place it to one side.



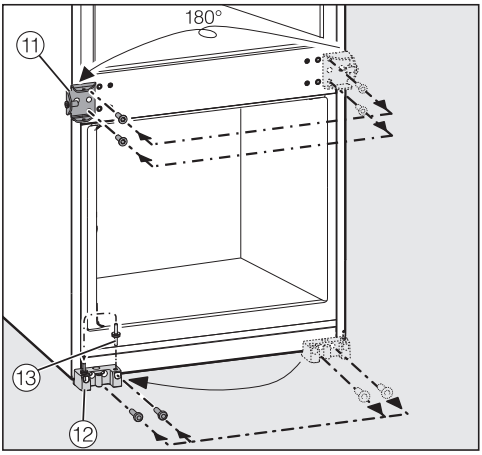
- Remove the upper bearing block ⑧ and fit it on the opposite side.

Caution.
The door is not secure as soon as the hinge bolts in the middle of the appliance are removed.

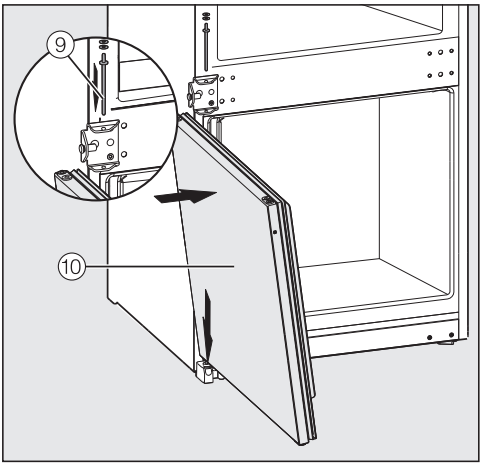


- Pull hinge bolt ⑨ in the middle of the appliance together with its disc upwards and off.
- Carefully lift appliance door ⑩ off and place to one side.

Changing the door hinging

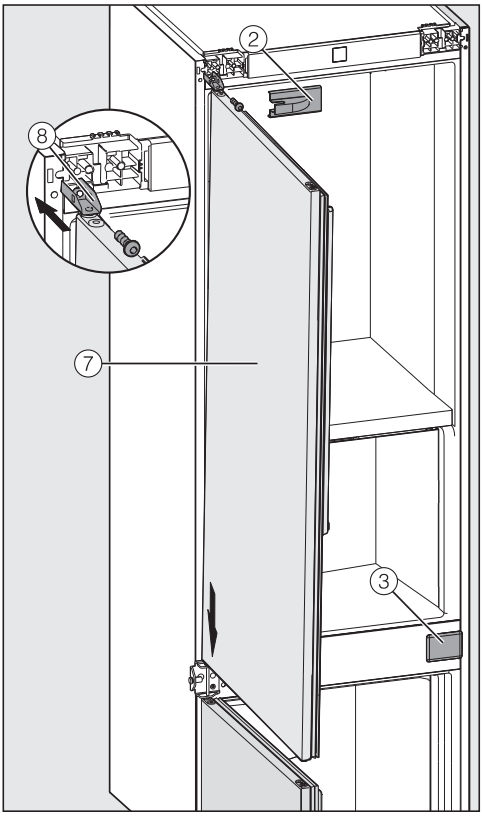


- Unscrew bearing block ⑪, turn it through 180° and screw it into place on the opposite side.
- Unscrew bearing block ⑫ and screw it into place on the opposite side.
- Remove hinge bolt ⑬ together with its washer and replace these on the opposite side.



- Place door ⑩ onto the hinge bolt from above.
- Close the lower door.

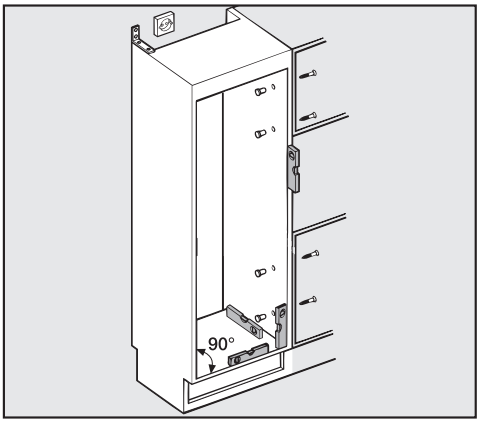
- In the middle of the appliance, fit hinge bolt ⑨ together with its washer through the bearing block in the appliance door ⑩.



- Fit upper door ⑦ onto the hinge bolt in the middle of the appliance.
- Close the upper door.
- Screw upper bearing block ⑧ back on the appliance securely.
- Tighten all screws again.
- Replace covers ② and ③.

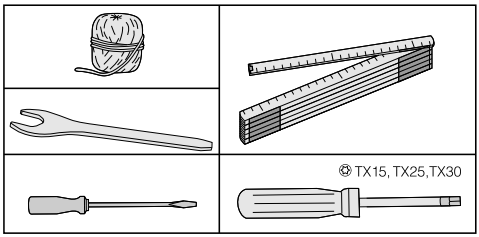
Two people are required for installing the appliance.

- Install the appliance in a stable, solid housing unit, positioned on an even and level floor.
- Secure the housing unit against tipping.



- Use a spirit level to align the housing unit. The corners of the housing unit must be at a 90 ° angle to each other, otherwise the furniture door will not align correctly with all 4 corners of the housing unit.
- The required ventilation cross-sections must be ensured (see "Installation - Ventilation" and "Building-in dimensions").

To install the appliance, you will need the following tools:

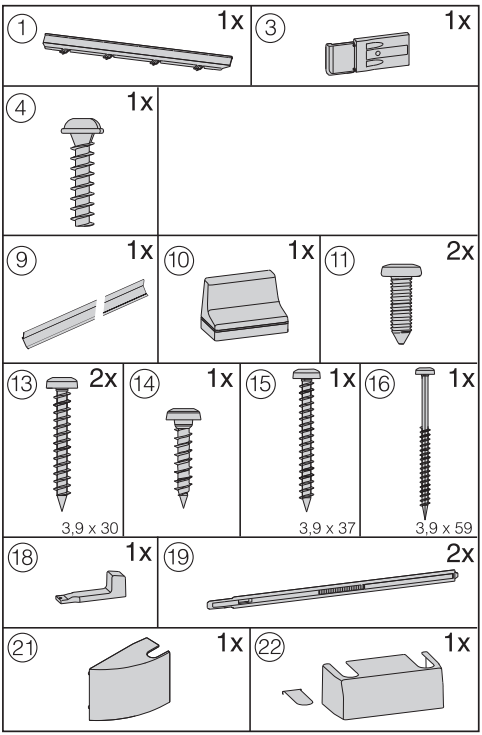


Installing the appliance

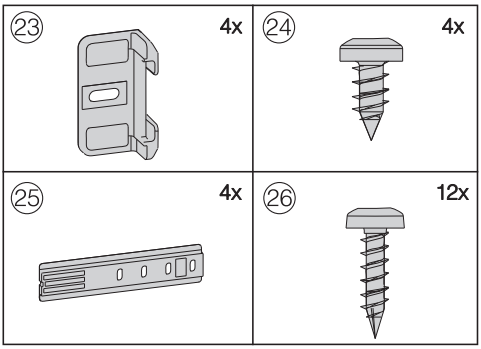
Parts required for installation

All installation parts are number coded. This coding is also used in the installation instructions.

– **required for installing the appliance in its housing unit:**



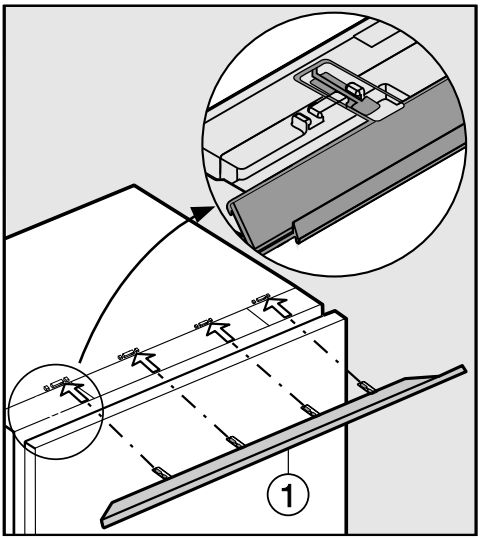
– **required for fitting the furniture doors:**



All fitting instructions given are for a right-hand hinged appliance. If you have converted the appliance to left-hand hinging, you will need to adapt these instructions accordingly.

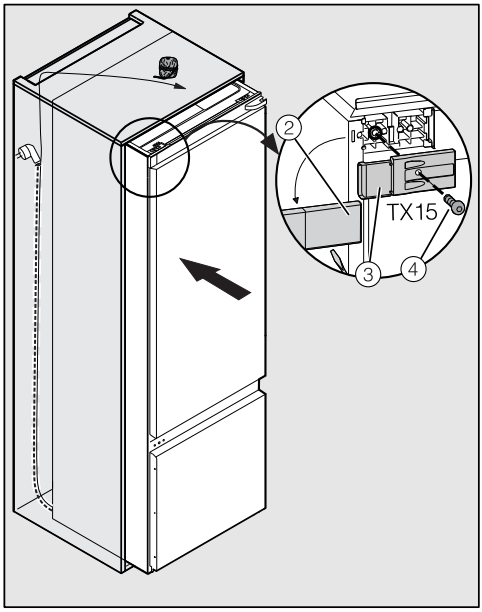
Preparing the appliance

- Position the appliance in front of the housing unit.

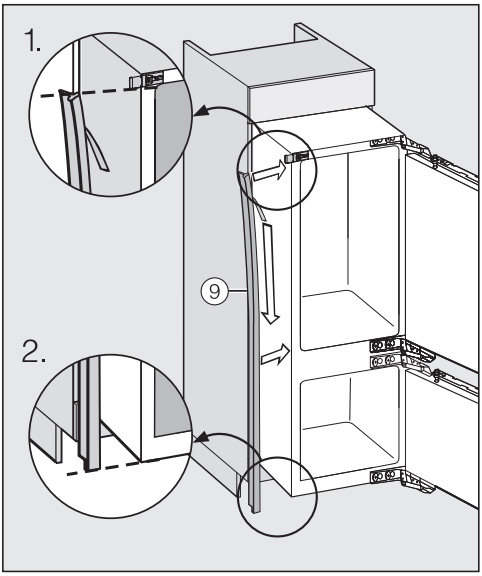


- Fit cover strip ① into position.
- Push the appliance two-thirds of the way into its niche. When doing this, make sure that the mains cable does not get trapped.

Tip: To help you push it into position, tie a piece of string around the plug to "increase" the length of the connection cable.
Then pull the cable by the end of the string through the housing unit. It will then be easier to connect once the appliance is in the unit.



- Remove cover ② from the top corner of the appliance.
- Secure part ③ using screw ④ firmly into the top left-hand side of the appliance.

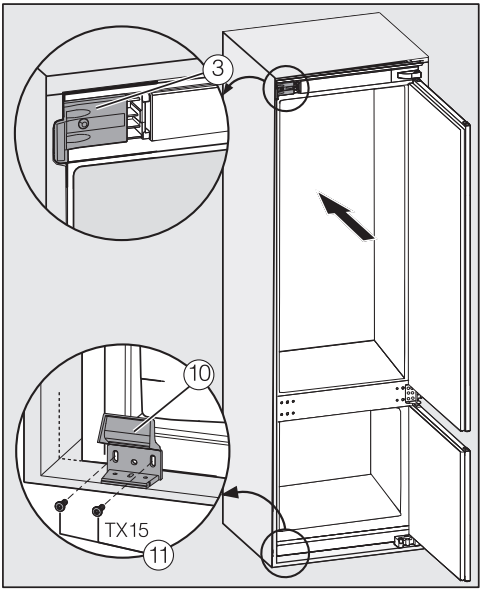


- Carefully remove the protective foil from sealing strip ⑨.
- Fix sealing strip ⑨ flush with the front of the appliance on the door opening side.
  1. Position the sealing strip flush with the lower edge of the top fixing.
  2. Stick it down along its entire length.

Installing the appliance

If the all round gap of 42 mm is not maintained between the appliance casing and the front edge of the housing unit side walls, the door may not shut properly.

This can cause ice to build up, condensate to accumulate and lead to faults in the appliance. These can all lead to increased energy consumption.



■ Screw lower fixing bracket ⑩ with screws ⑪ loosely into the bottom of the appliance.

Follow the instructions below to ensure that a gap of **42 mm** is maintained to the front edges of the housing unit side walls.

■ Push the appliance into the building-in niche:

– until the upper fixing bracket ③ touches the front edge of the furniture side wall.

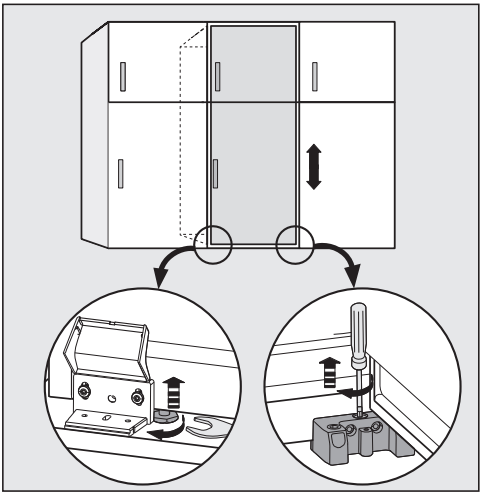
– until the front edge of lower left-hand fixing bracket ⑩ and the lower right-hand fixing bracket are flush with the front edge of the base of the housing unit.

On furniture with door fittings (e.g. stubs, seals etc.) the dimension of these must be taken into account when making sure there is a gap all round of **42 mm**.

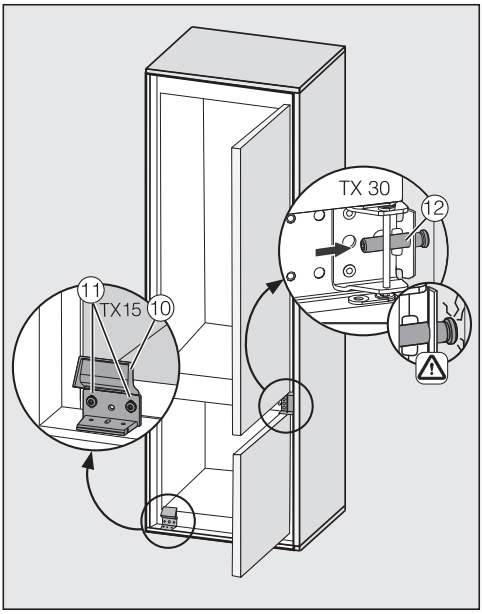
■ Pull the appliance forwards by the appropriate dimension.

Tip: Remove the door fittings. This will ensure that the door is flush with the surrounding kitchen unit furniture doors.

Aligning the appliance



■ Align the appliance on both sides using the adjustable feet.

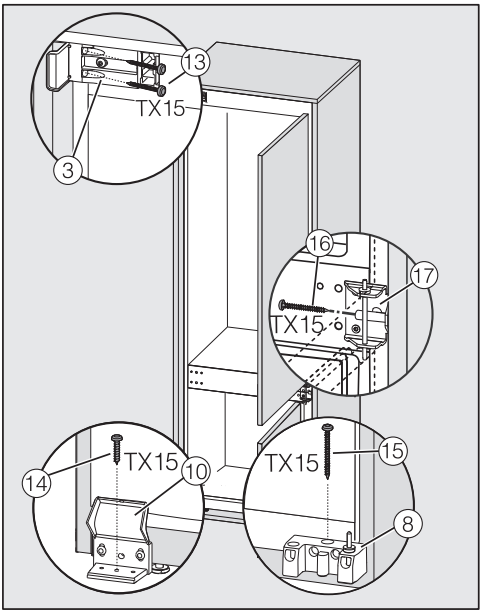


■ Carefully unscrew adjusting screw ⑫ in the middle bearing block until it touches the side wall of the furniture housing unit.

■ Tighten screws ⑪ in fixing bracket ⑩.

Securing the appliance in the niche

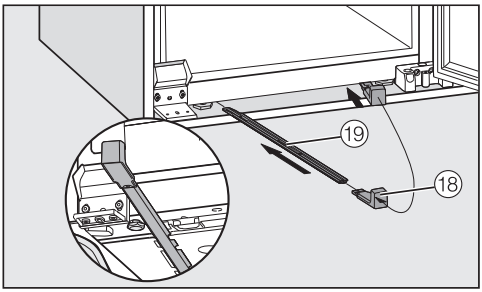
Before securing the appliance in its niche make sure that both lower fixing brackets are flush with the front of the base of the housing unit.



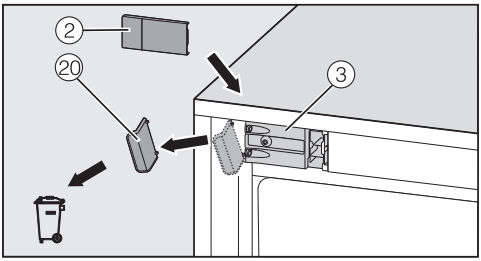
- Push the appliance up against the furniture unit wall and secure the appliance with screws ⑬ through fixing bracket ③.
- Press the appliance up against the furniture unit wall and secure fixing bracket ⑩ using screw ⑭ to the base of the unit.
- Secure the appliance by fitting screw ⑮ into bearing block ⑧.
- Finally secure the appliance at the side by fitting screw ⑯ through the middle bearing block ⑰.

Make sure that all screws have been tightened.

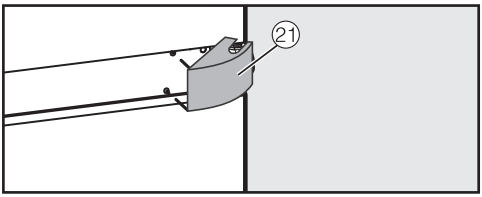
For additional stability of the appliance in the unit, push the rods supplied in underneath the appliance between it and the floor of the housing unit:



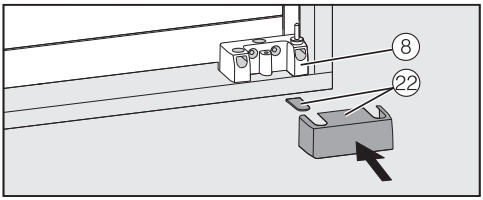
- Then secure handle ⑱ to one of the rods ⑲.
- Use the handle to push the rod into the guide as far as it will go. Remove the handle and fit it to the other rod and push this into its guide as far as it will go. Important! Keep the handle somewhere safe in case you ever need to fit the appliance into a new housing unit
- Close the appliance doors.
- If necessary, align the cover strip at the top of the appliance by pushing it parallel to the top of the furniture unit – it should be set slightly back and must not protrude.



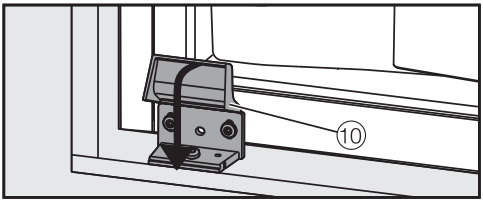
- Snap off any protruding end ⑳ on the top fixing bracket ③.
  It is no longer required.
- Fit cover ②.



- Fit cover ㉑ supplied.

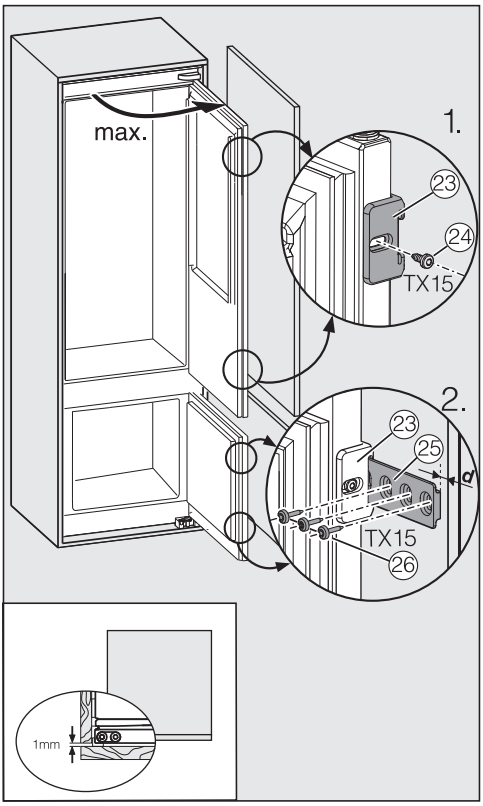


- Push the plastic tab into the left-hand aperture in cover ㉒ and then fit the cover in position.



- Flip down the cover on fixing bracket ⑩.

Fitting the furniture doors



- Secure door fixing ㉓ to the appliance door using screws ㉔.
- Open the door fully and push fixing guides ㉕ into door fixing ㉓.
- Position the furniture door onto the appliance door and secure fixing guides ㉕ to the furniture door using screws ㉖.
  Make sure you maintain a distance d (= the thickness of the housing walls) between the edge of the appliance door and the outer edge of the furniture door.
- Align the door fixing so that the furniture door on the side with the handle does not lie against the housing unit wall when the door is shut. A **minimum distance of 1 mm** must be maintained.

If a minimum distance of 1 mm is not maintained, the appliance door may not shut properly.
This can cause ice to build up, condensate to accumulate and lead to faults in the appliance. These can all lead to increased energy consumption.

- Tighten all screws again.

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