

Operating and installation instructions

Fridge-freezer



To prevent 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.

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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 appliance is designed for domestic use and for use in similar environments by guests in hotel or motel rooms, bed & breakfasts and other typical living quarters. This does not include common/shared facilities or commercial facilities within hotels, motels or bed & breakfasts.
- ▶ This appliance is intended for cooling and storing food and drinks 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.

Warning and Safety instructions

► This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning its use by a person responsible for their safety, and are able to recognise the dangers of misuse.

Safety with children

► Young children must not be allowed to use this appliance.

► Older children may only use the appliance when its operation has been clearly explained to them and they are able to use it safely, recognising the dangers of misuse.

► Cleaning work may only be carried out by older children under the supervision of an adult.

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

► Danger of suffocation! Children may be able to wrap themselves in packing material (e.g. foil) or pull it over their head with the risk of suffocation. Keep packaging material away from children.

Technical safety

► The refrigerant circuit has been checked for leaks. This appliance complies with all current local and national safety requirements.

► 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 has a lower greenhouse effect than some other refrigerants.

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 refrigerant can damage the eyes.

In the event of any damage:

- avoid any 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
- call Miele.

► The more coolant there is in a refrigeration appliance, the larger the room should be in which it is installed. In the event of a leakage, if the appliance is in a small room, there is a danger of combustible gases building up. For every 11 g of coolant at least 1 m³ of room space is required. The amount of coolant in the appliance is stated on a 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.

Warning and Safety instructions

- ▶ 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 connection cable is faulty, it must only be replaced by a Miele approved service technician in order to avoid a hazard.
- ▶ Do not connect the appliance to the mains electricity supply by a multi-socket unit or an extension lead. These do not guarantee the required safety of the appliance (e.g. danger of overheating).
- ▶ 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 laundry).
- ▶ This appliance must not be installed and operated in mobile installations (e.g. on a ship).
- ▶ Do not use a damaged appliance. It could be dangerous. Check the appliance for visible signs of damage.
- ▶ The appliance must be disconnected from the power supply during installation, maintenance and repair work, and during installation work on the mains water connection. It is only completely isolated from the power supply when:
 - the mains circuit breaker is switched off, or
 - the screw-out fuse is removed (in countries where this is applicable), or
 - the mains cable has been unplugged. Pull on the plug and not the cable when disconnecting it from the power supply.

Warning and Safety instructions

- ▶ Unauthorised installation, maintenance and repairs, or a faulty mains water connection can result in considerable danger for the user.
Installation, maintenance and repairs, installation work on the mains water connection, and all repairs on the ice/water outlet must only be carried out by a Miele authorised technician.
- ▶ The ice cube maker must only be connected to a cold water supply.
- ▶ The manufacturer's warranty will be invalidated if the appliance is not repaired by a Miele approved service technician.
- ▶ Faulty components must only be replaced by genuine Miele spare parts. The manufacturer can only guarantee the safety of the appliance when Miele replacement parts are used.
- ▶ Miele cannot be held liable for damage caused by a faulty water connection.
- ▶ In areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the appliance and its surroundings clean at all times. Any damage caused by cockroaches or other vermin will not be covered by the warranty.

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, with the result that it cannot maintain the required temperature.
- ▶ To ensure proper air flow in and out of the appliance, the ventilation gaps in the appliance and built-in structure must not be covered or blocked in any way. This would also increase the energy consumption and could cause damage to the appliance.

Warning and Safety instructions

- ▶ If storing food which contains a lot of fat or oil in the appliance, 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). Flammable gas mixtures can be ignited by electrical components.
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. Danger of injury!
- ▶ Do not refreeze thawed or partially thawed food. Defrosted food should be used up as quickly as possible, as food soon loses its nutritional value and goes off. Defrosted food may only be re-frozen after it has been cooked.

- ▶ Food stored for too long may present a 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. Follow the instructions given on the food manufacturer's packaging regarding storage conditions and use-by dates.
- ▶ Use only genuine original Miele spare parts. If spare parts or accessories from other manufacturers are used, the warranty will be invalidated, and Miele cannot accept liability.

Stainless steel appliances

- ▶ The coated stainless steel surface can be damaged by adhesives and will lose its dirt-repelling properties. Do not adhere sticky notes, transparent tape, masking tape or other adhesives onto the stainless steel surface.
- ▶ The surface is susceptible to scratching. Even magnets can cause scratches.

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 this appliance. Steam could reach the 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, or accelerate the defrosting process,
 - separate frozen foods and remove ice trays.
- ▶ Never place electric heaters or candles in the appliance to defrost it. These can damage the plastic parts.

Warning and Safety instructions

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

Transporting the appliance

► To avoid damage to the appliance, always transport it upright and in its packaging.

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

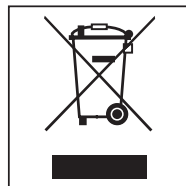
Disposal of the packing material

The transport and protective packing has been selected from materials which are environmentally friendly for disposal, and can normally 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. Ensure that any plastic wrappings, bags etc. are disposed of safely and kept out of the reach of babies and young children. Danger of suffocation!

Disposing 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 Miele. You are also responsible 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 the appliance 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 out 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.

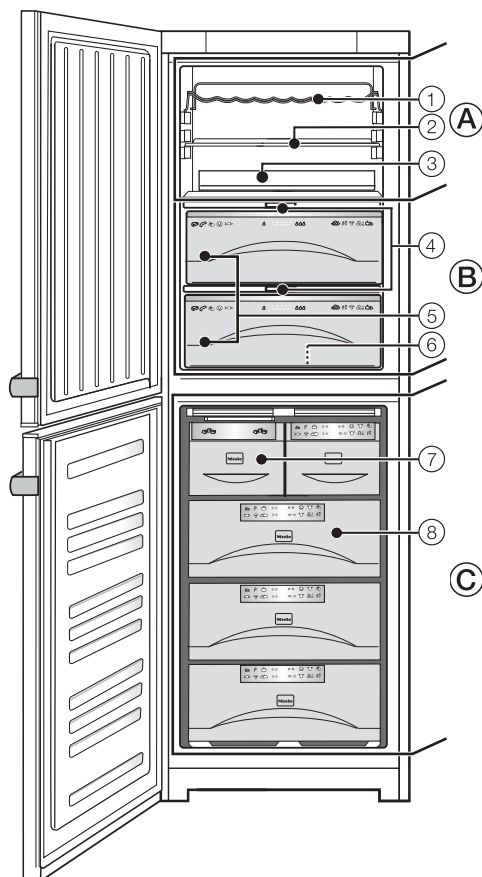
How to save energy

	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 situated near a heat source (radiator, oven).	Situated near a heat source (radiator, oven).
	Where the ideal ambient room temperature is approx. 20 °C.	Where the ambient room temperature is above 25 °C.
	Where the ventilation gaps are not covered and kept free of dust.	Where the ventilation gaps are covered or dusty.
	Dust the compressor and metal grille (heat exchanger) at the back of the appliance at least once a year.	Dust build-up on the compressor and metal grille (heat exchanger).
Temperature settings	PerfectFresh zone just above 0 °C	The lower the temperature set for the appliance, the higher the energy consumption.
	Freezer section -18 °C	

How to save energy

	Normal energy consumption	Increased energy consumption
Operation	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 works harder to cool down and the compressor runs for longer periods.
	Take an insulated 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 works harder to cool down and the compressor runs for longer periods.
	Store food covered or packaged.	The evaporation or condensation of liquids will cause a loss of coldness in the refrigerator.
	Place frozen food in the refrigerator to defrost.	
	Do not overfill the appliance to allow air to circulate.	Poor air circulation will cause a loss of coldness.

Guide to the appliance



Ⓐ PerfectFresh zone - dry compartment

- ① Bottle rack
- ② Adjustable shelf
- ③ Holder with active charcoal filter (Active AirClean)

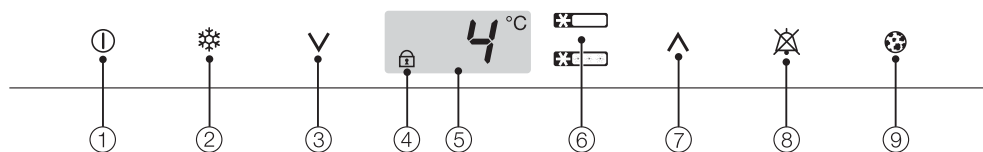
Ⓑ PerfectFresh zone - humidity controlled compartments

- ④ Regulator for setting the moisture level in the humidity controlled compartments
- ⑤ Humidity controlled compartments - PerfectFresh zone
- ⑥ Condensate channel and drain hole

Ⓒ Freezer section

- ⑦ Ice cube drawer with automatic ice cube maker
- ⑧ Freezer drawers with freezer calendar

Control panel

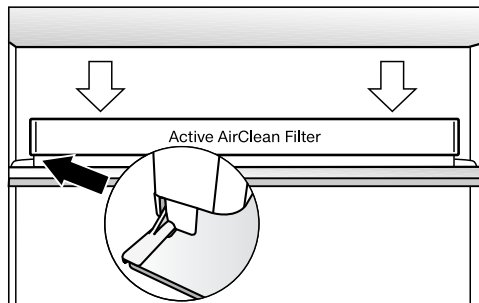


- ① On/Off sensor for the whole appliance and for switching the PerfectFresh zone on and off separately
- ② On/Off Sensor for the SuperCool and SuperFreeze functions
- ③ Sensor for setting the temperature (∇ colder)
- ④ Safety lock indicator (only visible when the safety lock is switched on)
- ⑤ Temperature display for the PerfectFresh zone and the freezer section
- ⑥ Sensor for switching between the PerfectFresh zone and the freezer section
([*] PerfectFresh zone; [***] freezer section)
- ⑦ Sensor for setting the temperature (^ warmer)
- ⑧ Sensor for switching the temperature and door alarms off (only visible when an alarm is sounding)
- ⑨ Change charcoal filters indicator (only visible when it lights up to remind you that the charcoal filters need replacing [Active AirClean])

Accessories

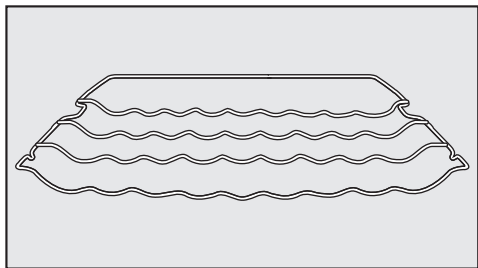
Accessories supplied

KKF-FF (Active AirClean) charcoal filter with holder



The charcoal filter neutralises unpleasant odours in the refrigerator section for improved air quality.

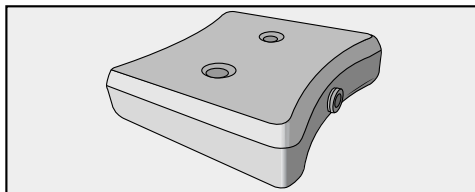
Bottle rack



Bottles can be stored horizontally in the refrigerator section using the bottle rack to save space.

The bottle rack can be placed in different positions in the refrigerator section.

Cool pack



The cool pack prevents the temperature in the freezer section from rising too quickly in the event of a power cut. This helps to prolong the storage life.

The cool pack will be at its most effective after it has been in the freezer for approx. 24 hours.

Optional accessories

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

Care of stainless steel

Each application of the **Miele Care product for stainless steel** (in the bottle) forms a durable protective film that is stain and water resistant. It gently removes water marks, fingerprints and other stains for a uniformly shiny surface.

Miele all purpose microfibre cloth

Light soiling and fingerprints on stainless steel fronts, control panels and furniture can be easily removed with this microfibre cloth.

KKF-RF

Active AirClean replacement filters

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

KKF-FF (Active AirClean) charcoal filters with holder

The appliance is supplied with one charcoal filter holder. Additional holders can be fitted in the refrigerator section if required.

Accessories are available from Miele directly (see back cover for contact details).

Before using for the first time

Before using for the first time

Removing packaging material

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

Protective foil

The stainless steel strips of the shelves and the door shelves have a layer of protective foil to prevent scratching during transportation. The external surfaces of the appliance doors and possibly also the side panels are covered with a protective foil.

- Remove the protective foil only after the appliance has been installed in its intended location.

Cleaning and care

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

- Immediately after removing the protective foil, apply the Miele Care product for stainless steel (see "Accessories - Optional accessories") to stainless steel strips and frames.
- We recommend treating the side panels of a stainless steel appliance with the Miele Care product for stainless steel immediately after removing the protective foil (see "Accessories - Optional accessories").

Each time the Miele Care product for stainless steel is used, it applies a protective film that is stain and water resistant.

Important: The stainless steel appliance doors have a special coating that is resistant to dirt. Do not treat them with the Miele Care product for stainless steel!

- Clean the inside of the appliance and the accessories.

Operating the appliance

A light touch of the finger on the sensors is all that is required to operate this appliance.

Switching on

The PerfectFresh zone and the freezer section are switched on together with the On/Off sensor.

- Touch the On/Off sensor ① until the temperature display lights up.

If the temperature in the appliance is not within the normal temperature display range, dashes will flash in the display.

The PerfectFresh and the freezer symbols as well as the alarm off sensor will flash until the temperatures are sufficiently low.

As soon as the temperatures are within the display range, the temperature display will show the current temperature in the appliance.

The appliance will start to cool and the interior lighting will come on when the PerfectFresh zone door is opened.

To enable the temperature to get sufficiently cold inside the appliance, allow the appliance 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.



Touch this sensor to switch between the PerfectFresh zone and the freezer section.

If you want to select the freezer section (for example to check the temperature),

- Touch the sensor for switching between the PerfectFresh zone and the freezer section so that the freezer section lights up yellow.

If the freezer section is selected, the ******** symbol lights up and you can adjust the temperature in the freezer section and switch on SuperFrost.

If the PerfectFresh zone is selected, the ***□** symbol lights up and you can adjust the temperature in the refrigerator section and switch on SuperCool.

Switching off

- Touch the On/Off sensor ① until all of the indicators go out. (If this does not work, the safety lock is activated.)

If the PerfectFresh zone was selected, the PerfectFresh zone and the freezer section will switch off one after the other. The interior lighting goes out and the cooling is switched off.


Switching on and off

To switch the PerfectFresh zone off separately

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



- Select the PerfectFresh zone .

The PerfectFresh symbol will light up yellow.

- Touch the On/Off sensor  until the PerfectFresh symbol goes out.


The interior lighting will not come on when you open the door and the PerfectFresh zone is switched off. The freezer section remains switched on and the Freezer symbol is lit up.

To switch the PerfectFresh zone back on

- Select the PerfectFresh zone  so that the PerfectFresh symbol lights up yellow, then touch the On/Off sensor  until the temperature display lights up, or
- Switch the appliance off and then on again.

The appliance will start to cool and the interior lighting will come on when the PerfectFresh zone 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,
- switch off at the wall and withdraw the plug from the socket, or disconnect the mains circuit breaker or remove the screw-out fuse in countries where this is applicable,
- empty the ice-cube drawer
- turn off the mains water tap
- clean the appliance, and
- leave the appliance doors slightly ajar to avoid the build-up of odours.

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.

The correct temperature

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 is stored in the refrigerator,
- 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 PerfectFresh zone

The temperature in the PerfectFresh zone is controlled automatically and maintained at **0 to 3 °C**.

Automatic temperature distribution (DynaCool)

The fan switches on automatically when the cooling system for the PerfectFresh zone 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.


Adjusting the temperature in the PerfectFresh zone


The temperature in the PerfectFresh zone can be raised or lowered, e.g. if you want to store items like fish.

The settings **b 1** to **b 9** have specific temperature ranges allocated to them, they do not represent temperatures themselves.

The default setting for the temperature in the PerfectFresh zone is **b 5**. Under certain circumstances, a setting from **b 1** to **b 4** can cause negative temperatures to be reached. Food could freeze.



- Select the PerfectFresh zone .

The PerfectFresh symbol  will light up yellow.

- You can now adjust the temperature in the PerfectFresh zone by touching the  sensor. You can select settings from **b 1** to **b 9**:

- **b 1**: lowest temperature
- **b 9**: highest temperature

By touching the sensor

-  the temperature will get colder
-  the temperature will get warmer.

The temperature being set will flash in the display.

The following information appears in the display when the sensors are touched:

- When first tapped: The **last preset temperature** flashes.

The correct temperature

- With each subsequent touch of the sensor the temperature is adjusted in increments.
- Leaving the finger on the sensor changes the temperature continuously.


Approximately 5 seconds after the last time a sensor has been touched, the display automatically reverts to showing the **current** temperature inside the PerfectFresh zone.


. . . 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 refrozen. Food may be refrozen once it has been cooked, as the high temperatures achieved when cooking destroy most micro-organisms.



Setting the temperature in the freezer section

- Select the freezer section .

The Freezer symbol  will light up yellow.

- You can now adjust the temperature in the freezer section by touching the  sensor.

By touching the sensor

-  the temperature will get colder
-  the temperature will get warmer.

The temperature being set will flash in the display.

The following information appears in the display when the sensors are touched:

- When first tapped: The **last preset temperature** flashes.
- With each subsequent touch of the sensor the temperature is adjusted in 1 °C steps.

- Leaving the finger on the sensor changes the temperature continuously. Once the highest or lowest temperature value has been reached the sensor ∇ or ▲, respectively, will go out.

Approximately 5 seconds after the last time a sensor has been touched, the display automatically reverts to showing the **actual mean** temperature inside the freezer section.

When you have adjusted the temperature, wait for **approx. 6 hours if the appliance is not very full** and for **approx. 24 hours if the appliance is full** before checking the temperature display. It will take this long for the appliance to give an accurate reading. If, after this time, the temperature is still too high or too low, adjust it again.

Temperature range

The temperature in the freezer section can be set from -14 °C to -28 °C.

Temperature display

During normal operation the temperature displays on the control panel show the temperature in the middle of the PerfectFresh zone and the temperature in the warmest part of the freezer section.

The ambient temperature in the room and the installation location can affect the time it takes for the appliance to reach the lowest temperature.

If the ambient temperature is too high, the appliance may not reach the lowest temperature.

Using SuperCool and SuperFreeze


SuperCool


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

Switching on SuperCool

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

- Select the PerfectFresh zone .

The PerfectFresh symbol  will light up yellow.

- Touch the SuperCool sensor  so that it lights up yellow.


The appliance will work at full power to lower the temperature in the PerfectFresh zone.

Switching off SuperCool

The SuperCool function switches off automatically after approx. 6 hours. The appliance will then run at normal power again.

To save energy, you can manually switch off the SuperCool function once food and drinks are sufficiently chilled.

- Select the PerfectFresh zone .

The PerfectFresh symbol  will light up yellow.

- Touch the SuperCool sensor  so that it dims.

The appliance will continue running at normal power.

SuperFreeze

Switch on the SuperFreeze function 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 less than 2 kg of fresh food in any one day.

Switching on SuperFreeze

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


- Select the freezer section .

The Freezer symbol  will light up yellow.

- Touch the SuperFreeze sensor  so that it is highlighted in yellow.

The appliance will work at full power to lower the temperature in the freezer section.


Switching off SuperFreeze


The SuperFreeze function switches off automatically after approx. 30 - 65 hours. The quantity of fresh food placed in the freezer will determine the duration before SuperFreeze switches off. The SuperFreeze symbol  will go out and the appliance will run at normal power again.

Using SuperCool and SuperFreeze

To save energy, you can manually switch off the SuperFreeze function once a **constant** temperature of -18 °C or colder has been reached in the freezer section. Keep an eye on the temperature as it falls.

- Select the freezer section .

The Freezer symbol  will light up yellow.



- Touch the SuperFreeze sensor  so that it dims.

The appliance will 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 section cannot rise unnoticed and to avoid energy being wasted if a door is left open.


Temperature alarm

An alarm will sound if the temperature in the freezer section becomes too warm. The alarm off sensor  will flash red and the Freezer symbol  will flash.

The audio and visual signals are activated, for example:

- when the appliance is switched on if the temperature in a temperature zone differs greatly from the set temperature.
- if a lot of warm room air enters the freezer when food is being loaded, rearranged or taken out.
- when freezing large amounts of food at once.
- when you freeze fresh food that is still warm.
- in the event of a power cut.
- if the appliance has a fault.

The alarm will stop and the indicators will go out as soon as the temperature has dropped down to the correct level again.

 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, use it as soon as possible or cook it before freezing it again.

Switching the temperature alarm off early


If the noise of the alarm bothers you, you can switch it off early if you wish.

- Touch the alarm off sensor .

The alarm will stop.

The alarm off sensor  and the Freezer symbol  on the control panel will continue to flash until the temperature is at the correct level.

Door alarm

An alarm will sound if the appliance door has been left open for longer than approx. 2 minutes. The alarm off sensor  will light up red and the symbol for the section which has the opened door will flash.


The alarm will stop and the indicators will go out as soon as the door is closed.

Switching the door alarm off early

If the noise of the alarm bothers you, you can switch it off early if you wish.

- Touch the alarm off sensor .

The alarm will stop.

The alarm off sensor  and the symbol of the temperature section whose door is open keeps flashing until the door is closed.

Further settings

Certain settings on the appliance can only be selected in settings mode.

How to select the settings mode and how to change the settings is described in the relevant section of these instructions.

When in settings mode, the door alarm is automatically deactivated. As soon as the door is closed, the door alarm is activated again.

Settings overview

To enter or leave settings mode	<i>c</i>
Switching the keypad tone on/off	<i>b</i>
Confirming replacement of charcoal filters	<i>h</i>
Switching the safety lock on/off	<i>u</i>
Changing the temperature display brightness	<i>d</i>
Setting the water intake time for the ice cube maker	<i>ℓ</i>

Switching the keypad tone on/off

The tone which sounds each time a sensor is touched can be deactivated.

- Touch and leave your finger on the \vee sensor.
- At the same time, briefly touch the On/Off sensor ① (without letting go of the \vee sensor).
- Leave your finger on the \vee sensor for another 5 seconds until *c* appears in the display.
- Touch the \vee sensor repeatedly until *b* appears in the display.
- Touch the On/Off sensor ① to confirm.
- By touching the \vee sensor, you can now select whether the keypad tone is switched on or off:
 - *b0*: keypad tone is switched off
 - *b1*: keypad tone is switched on
 - *b-*: return to menu

The current setting lights up, and the setting you can select next flashes.

- Touch the On/Off sensor ① to confirm the new setting.
- Touch the \vee sensor repeatedly until *c* appears in the display.
- Touch the On/Off sensor ①.

You have left settings mode.

Confirming replacement of charcoal filters

If you have replaced the charcoal filters at a later stage and the message to replace them has gone out, the time counter must be reset in settings mode:

- Touch and leave your finger on the √ sensor.
- At the same time, briefly touch the On/Off sensor ① (without letting go of the √ sensor).
- Leave your finger on the √ sensor for another 5 seconds until ϵ appears in the display.
- Touch the √ sensor repeatedly until h appears in the display.
- Touch the On/Off sensor ① to confirm.
- Touch the √ sensor repeatedly until h^2 appears in the display.
- Touch the On/Off sensor ① for approx. 2 seconds to confirm.

The counter is now reset.

- Touch the √ sensor repeatedly until ϵ appears in the display.
- Touch the On/Off sensor ①.

You have left settings mode.

Switching the safety lock on/off


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

- Touch and leave your finger on the √ sensor.
- At the same time, briefly touch the On/Off sensor ① (without letting go of the √ sensor).
- Leave your finger on the √ sensor for another 5 seconds until ϵ appears in the display.
- Touch the √ sensor repeatedly until μ appears in the display.
- Touch the On/Off sensor ① to confirm.
- By touching the √ sensor, you can now select whether the safety lock is switched on or off:
 - $\mu\bar{\mu}$: safety lock is switched off.
 - $\mu\bar{1}$: safety lock is switched on.
 - μ^- : return to menu

The current setting lights up, and the setting you can select next flashes.

- Touch the On/Off sensor ① to confirm the new setting.
- Touch the √ sensor repeatedly until ϵ appears in the display.
- Touch the On/Off sensor ①.

You have left settings mode.

When the safety lock is activated, the safety lock indicator  will light up in the temperature display.

Further settings

Changing the temperature display brightness

The temperature display brightness can be adjusted to suit the lighting conditions of the room.

- Touch and leave your finger on the √ sensor.
- At the same time, briefly touch the On/Off sensor ① (without letting go of the √ sensor).
- Leave your finger on the √ sensor for another 5 seconds until *c* appears in the display.
- Touch the √ sensor repeatedly until *d* appears in the display.
- Touch the On/Off sensor ① to confirm.
- You can now adjust the temperature display brightness by touching the √ sensor:
 - *d0*: maximum brightness
 - *d1*: reduced brightness
 - *d-*: return to menu

The current setting lights up, and the setting you can select next flashes.

- Touch the On/Off sensor ① to confirm the new setting.
- Touch the √ sensor repeatedly until *c* appears in the display.
- Touch the On/Off sensor ①.

You have left settings mode.

Setting the water intake time for the ice cube maker

- Switch the ice cube maker on.
- Touch and leave your finger on the √ sensor.
- At the same time, briefly touch the On/Off sensor ① (without letting go of the √ sensor).
- Leave your finger on the √ sensor for another 5 seconds until *c* appears in the display.
- Touch the √ sensor repeatedly until *ℓ* appears in the display.
- Touch the On/Off sensor ① again to confirm.
- You can now adjust the water intake time by touching the √ sensor:
 - *ℓ0*: shortest water intake time
 - *ℓ1*: longest water intake time
 - *ℓ-*: return to menu

The current setting lights up, and the setting you can select next flashes.

- Touch the On/Off sensor ① to confirm the new setting.
- Touch the √ sensor repeatedly until *ℓ-* appears in the display.
- Touch the On/Off sensor ①.
- Touch the √ sensor repeatedly until *c* appears in the display.
- Touch the On/Off sensor ①.

You have left settings mode.

Storing food in the PerfectFresh zone



Danger of explosion!

Do not store explosive materials in the appliance or any products containing flammable 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 fat or oil leaks onto the plastic parts of the appliance.

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

Food must not touch the back of the PerfectFresh zone as it may freeze to the back wall.

Food which is not suitable for storage in the PerfectFresh zone

Not all food is suitable for refrigeration at temperatures below 5 °C because it is sensitive to cold. Depending on the type of food, the appearance, consistency, flavour and/or vitamin content may be altered if stored at too cold a temperature.

Foods which are sensitive to cold include:

- Pineapples, avocados, bananas, pomegranates, mangoes, melons, papayas, passionfruit, citrus fruits such as lemons, oranges, mandarines, grapefruits
- Fruit which is not yet ripe
- Eggplants, cucumbers, potatoes, capsicums, tomatoes, zucchini
- Hard cheeses, e.g. Parmesan, mountain cheese

What to be aware of 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.

Useful tip: Take a cooler bag with you when shopping and on return place food into the appliance immediately.

Storing food in the PerfectFresh zone

The PerfectFresh zone provides ideal storage conditions for fruit, vegetables, fish, meat and dairy products. Food stays fresh considerably longer while retaining both flavour and vitamins.

The temperature in the PerfectFresh zone is controlled automatically and maintained at 0 to 3 °C. While lower than the temperature in a standard refrigerator, this is the optimum temperature range for storing fresh food which is not sensitive to cold. The deterioration process is decelerated at this temperature range so food can be stored without loss of freshness for considerably longer.

The humidity level in the PerfectFresh zone can also be regulated to suit the food being stored. Food retains its own moisture if stored at a higher humidity and does not dry out as quickly. This allows it to stay crisp and fresh for longer.

Remember that the freshness of the food when first placed in the appliance is the most important factor in determining how long it will stay fresh.

Take food out of the PerfectFresh zone approx. 30 to 60 minutes before using it. The aroma and taste do not fully develop until the food has reached room temperature.

The PerfectFresh zone is divided into two compartments:

- The upper **dry compartment** has a temperature of 0 °C to 3 °C and the humidity is not increased. Use this compartment to store fish, meat, dairy products and all kinds of food, provided that it is wrapped.
- The lower **humidity controlled compartment** has a temperature of 0 °C to 3 °C, and the humidity level is increased depending on the position of the slide control: Δ not increased or $\Delta\Delta$ increased. With increased humidity use this compartment to store fruit and vegetables.

Each type of food has its own characteristics and requires certain storage conditions.

Storing food in the PerfectFresh zone

Dry compartment

The dry compartment is suitable for storing perishable foods such as:

- Fresh fish, shellfish and crustaceans
- Meat, poultry, sausages
- Deli salads
- Dairy products such as yoghurt, cheese, cream, quark etc.
- Any type of food can in fact be stored in this compartment, as long as it is packaged.

The most important aspect of the dry compartment is its low temperature. The humidity level is similar to that in a conventional refrigerator.

Please note that foods rich in protein deteriorate faster than others. Shellfish, for example, deteriorates faster than fish, and fish deteriorates faster than meat.

For hygiene reasons always keep these foods **covered or wrapped**.

Humidity controlled compartment Δ , $\Delta\Delta$

The humidity controlled compartment has a slide control which is used to regulate the moisture in this compartment.

Slide the regulator to the Δ or $\Delta\Delta$ humidity setting.

Humidity level not increased Δ

At the Δ setting the humidity controlled compartment becomes a dry compartment - the slide control opens the vents in the compartment so that moisture can escape (see "Dry compartment").

Increased humidity $\Delta\Delta$

At the $\Delta\Delta$ setting the humidity controlled compartment is suitable for storing fruit and vegetables.

The slide control closes the vents in the compartment so that moisture cannot escape.

The humidity level in the humidity controlled compartment is determined by the type and quantity of food when it is not packaged.

If the quantity of food being stored in this compartment is small, the humidity level may be too low.

Useful tip: If you are only storing a small amount of food, wrap it in airtight packaging.

High humidity in the humidity controlled compartment can cause condensate to build up on the floor of the compartment as well as beneath the lid. This should be removed with a cloth.

Storing food in the PerfectFresh zone

Storage results for food stored in the PerfectFresh zone

Observe the following tips if you find that food you have stored does not keep well (e.g. food becomes limp or wilts after only being stored for a short time):

- Only place fresh food in the appliance as the initial condition of the food is crucial to maintaining freshness.
- Clean the PerfectFresh compartments before storing food in them.
- Dry the surface of very moist food before placing it in the refrigerator.
- Do not store any food in the PerfectFresh zone which is sensitive to cold (see "Food which is not suitable for storage in the PerfectFresh zone").
- Select the correct PerfectFresh compartment and the correct position of the humidity controlled compartment slide control (humidity not increased or humidity increased).

- An increased humidity level $\Delta\Delta$ in the humidity controlled compartment is achieved by the moisture present in the food being stored, i.e. the more food stored in the compartment, the higher the humidity.

If too much moisture collects in the compartment at the $\Delta\Delta$ setting and the food is affected, dry the floor and underneath the lid with a cloth, and place a rack or similar item in the compartment so that excess moisture can drip down.

If the humidity level is too low despite the $\Delta\Delta$ setting, wrap the food in airtight packaging.

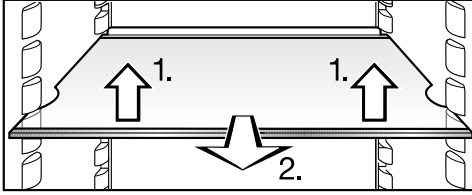
- If you think that the temperature in the PerfectFresh zone is too high or too low, try regulating it slightly first by selecting a different level. See "Adjusting the temperature in the PerfectFresh zone". If ice crystals start to form on the floor of the PerfectFresh compartments, increase the temperature as otherwise the cold temperature will damage the food.

Under certain circumstances, a setting from level $b\ 1$ to $b\ 4$ can cause negative temperatures to be reached. Food could freeze.

Adjusting the interior fittings

Moving the adjustable 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.

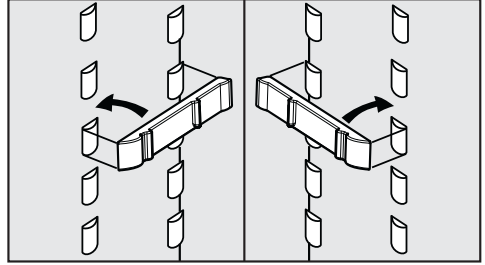
The raised edge on the protective strip at the back must face upward to prevent food from touching the back of the appliance and freezing to it.

Stoppers prevent the shelves from being dislodged by mistake.

Moving split shelves

In order to accommodate tall items in the appliance such as bottles or large containers, one of the shelves is divided. The front section can be pushed carefully under the rear section:

- Push the rear half of the glass shelf slightly upwards.
- With the rear half pushed up, lift the front half of the glass shelf up slightly at the front, then slide it carefully underneath the rear half.
- To move the split shelf to another level take both sections out of the appliance.



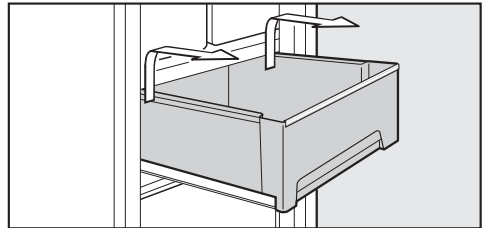
- Then place the two support rails on the left and right support ribs at the desired height and
- slide the two glass plates in one after the other.

The section with the raised edge must be fitted at the back.

Removing the PerfectFresh zone drawers

The drawers in the PerfectFresh zone sit on telescopic runners and can be removed for loading, unloading or cleaning purposes:

- Pull the drawers out as far as they will go.



- Holding the sides of the drawer at the back, lift it up and then pull it forwards and out.

Push the runners back in to avoid injury or damage.

Adjusting the interior fittings

- Carefully pull the lid between the drawers slightly forwards, and take it down and out.

Be careful not to wash out the special lubricant in the telescopic runners during cleaning. Wipe the telescopic runners with a damp cloth to clean them.

- To replace the lid, insert it from beneath into the holders and push it back until it clicks into place.

Replacing the drawers

- Push the runners back in completely and then place the drawers on them.
- Push the drawers back into the appliance until they click into position.

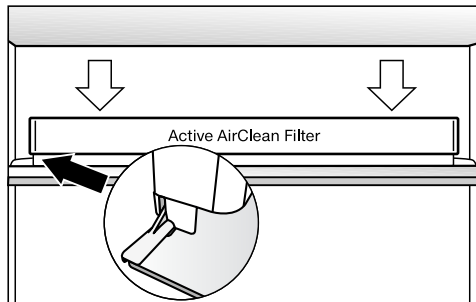
Moving the charcoal filters

When you are storing 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 carbon filters sooner 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.

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



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

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 section, 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 cooler bag or cool box to transport it.
 - Store it in the freezer compartment as soon as possible.

 Never refreeze partially or fully defrosted food. Consume defrosted food as soon as possible as it will spoil if left for too long. Defrosted food may only be refrozen after it has been cooked.

Freezing and storing food

Home freezing

Only freeze food which is fresh and in good condition.

Tips on home freezing

- The following types of food **are suitable** for freezing:
Fresh meat, poultry, game, fish, vegetables, herbs, fresh fruit, dairy products, pastry, leftovers, egg yolks, egg whites and a range of pre-cooked meals.
- The following types of food **are not suitable** for freezing:
Grapes, lettuce, radishes, sour cream, mayonnaise, eggs in their shells, onions, whole raw apples and pears.
- To retain colour, taste and vitamin C, vegetables should be blanched before freezing. To blanch, immerse the trimmed and washed vegetables in 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, schnitzel or rolled meat with a sheet of plastic freezer film. This prevents them from freezing together in a block.
- Do not season fresh foods or blanched vegetables before freezing. Only season cooked food lightly before freezing. The taste or intensity of some spices alters when frozen.

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

Packaging food for freezing

- Freeze food in portions.

Suitable packing material

- Plastic cling wrap
- Tubular polyethylene film
- Aluminum foil
- Freezer containers and bags

Unsuitable packing material

- Wrapping paper
- Grease-proof paper
- Cellophane
- Bin bags
- Plastic shopping bags
- Expel as much air as possible from bags etc. before sealing them to prevent freezer burn on food.
- Close the packaging tightly with
 - rubber bands
 - plastic clips
 - string or bag ties
 - freezer tape

Useful 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 2 kg of fresh food, switch on the SuperFreeze function for some time before placing food in the freezer (see "Using SuperFreeze"). This helps food which is already stored in the freezer to remain frozen.

Placing food in the freezer

⚠ The following maximum loading weights must not be exceeded:

- Freezer drawer = 25 kg
- Glass shelf = 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 items

Freeze small items 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

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.

Please note that when removing the drawers, the lowest freezer drawer must always remain in the freezer.

- 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.

After the initial freezing process:













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

Freezing and storing food

Freezer calendar

The freezer calendar on the freezer drawer shows the length of time in months which various foods can be stored for effectively when freshly frozen.

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

			2 - 3			6 - 8					
			3 - 5			10 - 12					

Food	Storage time (months)
Cakes, ice cream, casseroles	2 to 3
Fish, mushrooms, bread	3 to 5
Pork, veal, poultry	6 to 8
Beef, fruit, vegetables	10 to 12

Defrosting

Frozen food can be defrosted in different ways:


- in a microwave oven,
- in an oven using the "Fan" or "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 meat or fish can be placed directly into a hot frying pan.

Thicker pieces of meat and fish (e.g. minced beef, chicken, fish fillet) should not come into contact with other food when defrosting. Collect the defrosting liquid and then pour it away, making sure you wash the container it was in, the sink and your hands.

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 refreeze partially or fully defrosted food. Consume defrosted food as soon as possible as it will spoil if left for too long. Defrosted food may only be refrozen after it has been cooked.

Cooling drinks quickly

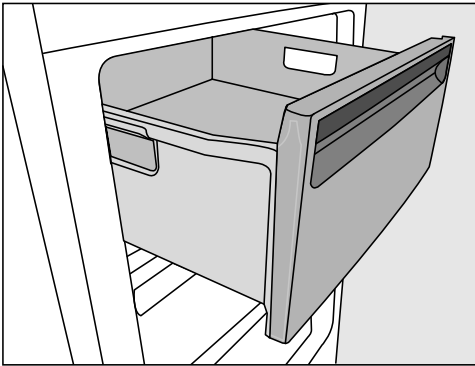
When cooling drinks quickly in the freezer, make sure bottles are **not left in for more than one hour**, otherwise they could burst, causing injury and damage.

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 expand the space available in the freezer section. If you wish to freeze large items such as a turkey or game, you can remove the glass plates between the freezer drawers.

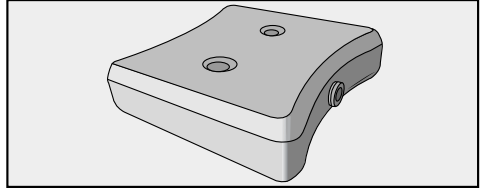


- To do this, pull out the drawers as far as they will go, and then lift them up and out.
- Lift the glass plate slightly, pull it forward and out.

Using accessories

Cool pack

The cool pack prevents the temperature in the freezer section from rising too quickly in the event of a power cut. This helps to prolong the storage life.



- Place the cool pack in the top drawer of the freezer section.

The cool pack will be at its most effective after it has been in the freezer for approx. 24 hours.

In the event of a power cut:

- Place the frozen cool pack directly on top of the frozen food in the front of the top drawer.

Useful tip: When placing fresh food in the freezer, use the cool pack to separate the fresh food from the food which is already frozen so that the frozen food does not begin to thaw.

Useful tip: The cool pack can also be used in a cool bag to keep food or drinks cool for a short period of time.

Making ice cubes

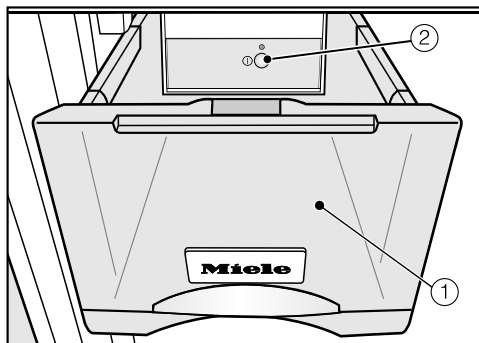
For the automatic ice cube maker to operate, it must be connected to a mains water connection (see "Mains water connection").

Danger to health!

The first three batches of ice cubes made after the ice cube maker is started up must not be consumed, as the water will have been used for the initial rinsing of the water supply line.

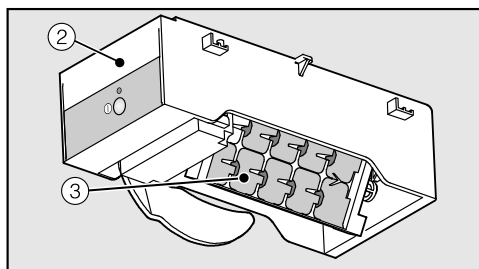
This applies to the initial commissioning as well as when using the appliance again after it has been turned off for a long time.

Ice cube maker with integrated ice cube tray



The automatic ice cube maker ② is located in the ice cube drawer ①.

When the ice cube maker is switched on, the indicator light on the ice cube maker lights up.



An ice cube tray ③ is integrated in the ice cube maker ② where ice cubes are produced.

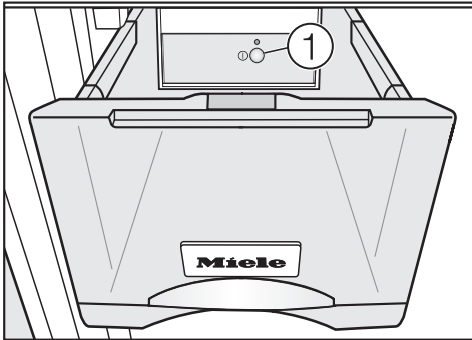
The ice cube tray automatically empties into the drawer as soon as ice cubes are produced.

Switching the ice cube maker on/off

The ice cube maker can be switched off independently of the freezer section if you do not want the appliance to make any ice cubes.

Clean the ice cube tray if the ice cube maker is going to be switched off for a long period of time.

- Open the ice cube drawer slightly.



- Press the On/Off button ① on the ice cube maker
 - until the indicator light lights up. The ice cube maker is switched on.
 - until the indicator light goes out. The ice cube maker is switched off.

Ice cubes can only be made when the ice cube drawer is closed completely.

- Close the ice cube drawer.

Making a large quantity of ice cubes

The amount of ice cubes which the appliance makes depends on the temperature in the freezer section. The lower the temperature, the more ice cubes are produced within a certain time frame. At a temperature of -18°C , approx. 1 kg of ice cubes will be produced within 24 hours.

Ice cube production stops automatically when the ice cube drawer is full.

Useful tip: If you require a large amount of ice cubes, replace the full ice cube drawer with the drawer beside it on the right.

The ice cube maker will begin to produce ice cubes again as soon as this new drawer has been placed in position and closed properly.

Changing the size of the ice cubes

The size of the ice cubes depends on the quantity of water being taken in. You can set this quantity according to your wishes. To make larger ice cubes, increase the amount of water being taken in by the ice cube maker. The factory default setting for the amount of water is medium (E 3).

Instructions for how to set the water intake time of the ice cube maker can be found in the section "Changing the size of the ice cubes".

Defrosting

PerfectFresh zone

The PerfectFresh Zone defrosts automatically.

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

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 "NoFrost" system. The freezer defrosts automatically.

The moisture generated by defrosting collects in the condenser and is automatically dissipated by the condenser from time to time.

This automatic defrosting system enables the freezer to remain permanently ice-free. 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 cleaner 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

The stainless steel doors of the appliance have a special coating that is resistant to dirt. **Do not use the Miele Care product for stainless steel** on these surfaces. + noticeable smearing.

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

To avoid damaging 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,
- dirt erasers,
- sharp metal scrapers.

To clean the stainless steel surfaces on the appliance we recommend using the original Miele Care product for stainless steel (see "Optional accessories").

This product contains substances that are gentle to stainless steel surfaces and, unlike stainless steel cleaners, it does not contain polishing agents. Soiling is gently removed and each time the original Miele Care product for stainless steel is used, it applies a protective film against dirt and water.

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

The following pages contain important information on cleaning.

Cleaning and care

Preparing the appliance for cleaning

- Switch the appliance off.

The temperature display goes dark and the cooling system switches off.

- Disconnect the appliance from the mains. Switch off at the wall and withdraw the plug from the socket, or switch off the mains circuit breaker.
- Take any food out of the appliance and store it in a cool place.
- Take the freezer drawers and glass plates out for cleaning.
- Take out all other removable parts for cleaning.

Cleaning the interior and accessories

Clean the appliance at least once a month.

Clean up any spills, stains or food immediately. Do not allow them to dry and stick to the appliance.

- 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 following parts **are not dishwasher-safe**:

- the adjustable shelves with trims
- all drawers and drawer lids (supplied depending on model)
- the bottle rack
- the cool pack
- Clean these accessories by hand.

The following parts **are dishwasher-safe**:



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 holder for the charcoal filters
- Clean the condensate channel and drain hole frequently using a straw or cotton tip or similar item to ensure that condensate can drain away freely.
- Leave the door open to air the appliance for a short while and to prevent odours building up.

Cleaning the front of the appliance and the side panels

If soiling is left on for any length of time, it may become impossible to remove.

Surfaces may suffer discolouration or damage.

Therefore it is best to remove soiling from the appliance doors and side panels immediately.

All surfaces are susceptible to scratching. Contact with unsuitable cleaning agents can alter or discolour the surfaces.

See the information on "Cleaning agents" at the beginning of this section.

- Clean the surfaces with a clean sponge and a solution of warm water and washing-up liquid. A clean, damp microfibre cloth without cleaning agent can also be used.
- After cleaning, wipe with clean water and dry with a soft cloth.

Cleaning and care

Appliance front

The appliance front has a special high-quality coating (CleanSteel). It is resistant to soiling and easy to clean.

⚠ Do not use stainless steel cleaning agents on these surfaces. They will damage the coating.

Do not use the Miele Care product for stainless steel on these surfaces. It will cause noticeable smearing.

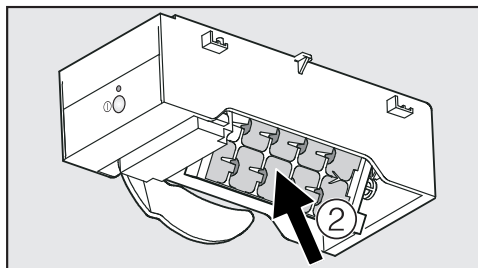
Side panels

- Remove any soiling with the Miele Care product for stainless steel.

Useful tip: We recommend applying this care product to the side panels immediately after cleaning. Each time the Care product for stainless steel is used, it applies a protective film that is stain and water resistant. This protects stainless steel surfaces and helps prevent re-soiling.

Cleaning the ice cube tray

⚠ Clean the ice cube tray
– before switching off the ice cube maker for a long time.
– regularly, to remove ice and water residues.



The ice cube tray ② is **not** removable and can only be cleaned when in place.

- Open the ice cube drawer slightly.
- Press the On/Off button ① on the ice cube maker. The indicator light will come on.
- Empty the ice-cube drawer,
- Press and hold the On/Off button ① on the ice cube maker for at least 12 seconds.

The indicator light flashes slowly at first and then quickly.

- Push the ice cube drawer in as far as it will go within the next 60 seconds.

You will hear the ice cube tray turning to a slanted position.

- Wait until the ice cube tray has completed this rotation before continuing.


Now you can clean the ice cube tray:

- Take the ice cube drawer out of the appliance and clean it.
- Clean the ice cube tray ② and the ice cube drawer with lukewarm water and a little washing up liquid. After cleaning, wipe with clean water and dry with a soft cloth.

- Press the On/Off button ① on the ice cube maker.
- Push the drawer all the way back into the appliance.

As soon as the ice cube maker is switched on the ice cube tray rotates back to its original position.

The ice cube maker will begin to produce ice cubes again after a maximum of 6 hours.


 **Important:** If washing-up liquid was used for cleaning the ice cube tray: The first ice cubes may contain traces of detergent and are therefore unsuitable for consumption. Discard the first three batches of ice cubes after cleaning.

Cleaning the air vents

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 (you could use a Miele vacuum cleaner dusting brush, for example). A build-up of dust will increase the energy consumption of the appliance.

Cleaning the door seals

 If a door seal is damaged the door will not close properly and cooling performance will be reduced. Condensate will build up in the interior and this can cause a build-up of ice.


Do not damage the door seals.

Do not use any oils or grease on the door seals. They will cause the seals to deteriorate and become porous over time.

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

Cleaning and care


Cleaning the compressor and metal grille at the back of the appliance

 When cleaning the compressor and the metal grille, make sure that cables and other components do not get ripped off, kinked or damaged in any way.

The compressor and metal grille at the back of the appliance (heat exchanger) should be dusted at least once a year. A build-up of dust will increase the energy consumption of the appliance.

Replacing the charcoal filters

The active charcoal filters should be changed approx. every 6 months.

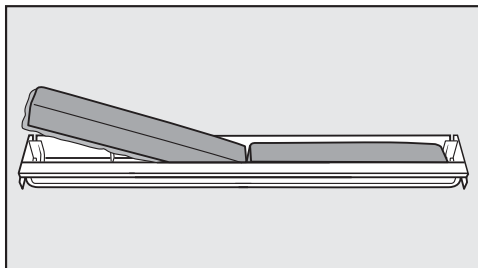
When the indicator on the control panel  lights up red the charcoal filters need exchanging.

Replacement KKF-RF charcoal filters are available from Miele or online at shop.miele.com.

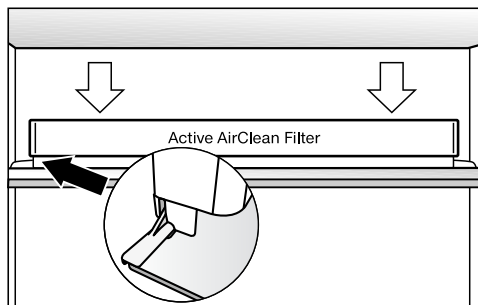
The holder for the charcoal filters is dishwasher-safe.


- 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 raised 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.
- To confirm that you have changed the charcoal filters, touch the indicator  on the control panel for approx. 2 seconds.

The change charcoal filters indicator will go out and the counter is reset.

Replacing the charcoal filters later

If you do not have new active charcoal filters, you can order them from Miele. You can replace the charcoal filters at a later stage.

Useful tip: You can switch off the change charcoal filters indicator early, if you prefer not to have the red indicator showing.

- Touch the change charcoal filters indicator  for approx. 2 seconds.

The indicator light will go out.

If you have replaced the charcoal filters at a later stage and the reminder indicator on the control panel has gone out, the time counter must be reset in settings mode (see "Further settings - Confirming replacement of charcoal filters").

Starting up the appliance after cleaning

- Refit all shelves and accessories in the appliance.
- Reconnect to the mains and switch the appliance back on.
- Place food back in the refrigerator section and close the door.
- Switch on the SuperFreeze function for a while so that the freezer section can cool down quickly.
- Place the freezer drawers with the frozen food back into the freezer section and close the door.
- Switch off the SuperFreeze function as soon as the temperature in the freezer is a constant -18 °C or colder.

Problem solving guide

With the help of the following guide, minor faults in the performance of the appliance, some of which may result from incorrect operation, can be remedied without contacting Miele. This will save you time and money because you won't need a service call.

Please note that a call-out charge will be applied to unnecessary service visits where the problem could have been rectified as described in these operating instructions.

To prevent cold from escaping, avoid opening the appliance door until the fault has been corrected.




Problem	Possible cause and remedy
The refrigerator is not getting cold and the interior lighting does not come on when the machine door is opened.	The appliance is not switched on. ■ Switch the appliance on.
	The mains plug is not inserted in the socket correctly or not switched on, or the plug connector is not inserted into the socket at the back of the appliance correctly. ■ Insert the mains plug into the mains socket and the plug connector into the appliance socket and switch on.
	The mains circuit breaker 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.
The compressor is switching on more frequently and runs for longer periods of time, and the temperature in the appliance is too low.	The ventilation gaps are covered or have become too dusty. ■ Do not block the ventilation gaps. ■ Clean the dust from the ventilation gaps on a regular basis.
	The doors have been opened too frequently, or a large amount of fresh food has been put in at once for refrigerating or freezing. ■ Only open the doors when necessary and for as short a time as possible.

Problem solving guide





Problem	Possible cause and remedy
	After a while the temperature will return to normal by itself.
	The appliance doors are not closed properly. A thick layer of ice may have formed in the freezer section. ■ Close the appliance doors.
	After a while the temperature will return to normal by itself.
	If a thick layer of ice has formed, it will decrease the cooling performance 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. ■ See "Installation advice – Location".
	The temperature setting is too low. ■ Correct the temperature setting.
	A large amount of food was placed in the freezer at once. ■ See "Freezing and storing food".
	The SuperCool function is still switched on. ■ To save energy, you can switch SuperCool off early yourself.
	The SuperFreeze function is still switched on. ■ To save energy, you can turn SuperFreeze off early yourself.
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. ■ Correct the temperature setting. ■ 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 advice - Location". ■ Raise the temperature of the room.

Problem solving guide


Messages in the display

Message	Possible cause and remedy
<i>dn</i> appears in the display. The machine does not get cold, but the machine controls are working.	Demo mode is activated. In this mode, the appliance can be presented in a showroom without the cooling system being switched on. Do not activate this setting for domestic use. ■ Call Miele.
Bars light up in the temperature display.	Only temperatures within the range of the appliance temperature display will be displayed. ■ Check the temperature in the display about 6 hours after switching the appliance on.
 lights up in the display and the appliance cannot be operated.	The safety lock has been activated. ■ Switch the safety lock off (see "Further settings - Switching the safety lock on/off").
The alarm off sensor  lights up red in the display, the symbol for the section with the open door flashes, and a warning tone sounds.	The door alarm has been activated (see "Temperature and door alarm"). ■ Touch the alarm off sensor  in the display. The alarm message is confirmed and the warning tone stops. ■ Close the relevant appliance door. The warning tone will stop.

Problem solving guide

Message	Possible cause and remedy
<p>The alarm off sensor  flashes red, the symbol for the freezer section  flashes, and a warning tone sounds.</p>	<p>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, e.g.</p> <ul style="list-style-type: none"> – the freezer door being opened too often, or being left open. – a large quantity of food being placed in the freezer at once without switching on SuperFreeze. – an interruption to the power supply. – a fault with the appliance. <p>■ Touch the alarm off sensor  in the display.</p> <p>The alarm message is confirmed and the warning tone stops.</p> <p>■ Rectify the cause of the alarm.</p> <p>■ Depending on the temperature displayed, check whether food in the freezer has started to thaw or has defrosted. 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.</p>
<p>nR appears in the display and a warning tone sounds.</p>	<p>There is a power failure: The temperature in the appliance over the last few days or hours has risen too high because of a power cut or an interruption to the power supply.</p> <p>■ Touch the alarm off sensor  in the display while nR is lit up.</p> <p>The fault message is confirmed: nR goes out and the alarm stops.</p> <p>The warmest temperature recorded in the freezer section will flash for about 1 minute in the temperature display. Then the actual temperature in the freezer section will be displayed.</p> <p>■ Depending on the temperature displayed, check whether food in the freezer has started to thaw or has defrosted. 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.</p>

Problem solving guide

Message	Possible cause and remedy
_F appears in the display.	There is a fault. ■ Call Miele.
 lights up red in the display.	This is a reminder to change the (Active AirClean) charcoal filters . ■ For further information see "Cleaning and care - Replacing the charcoal filters".



Problems with the ice cube maker

Problem	Possible cause and remedy
You cannot switch the ice cube maker on.	<p>The appliance is not connected to the power supply or is not switched on.</p> <ul style="list-style-type: none"> ■ Reconnect to the mains and switch the appliance back on.
The ice cube maker is not producing any ice cubes.	<p>The appliance or the ice cube maker is not switched on.</p> <ul style="list-style-type: none"> ■ Switch on the appliance and the ice cube maker.
	<p>The water supply is not open or has not been vented.</p> <ul style="list-style-type: none"> ■ Open the water supply. ■ Check whether the water supply has been vented.
	<p>The drawer of the ice cube maker is not closed properly.</p> <ul style="list-style-type: none"> ■ Push the drawer all the way in.
	<p>The appliance door has been opened too frequently, causing the compressor to turn on more often and the ice-cube maker has iced up.</p> <ul style="list-style-type: none"> ■ Only open the door when necessary and for as short a time as possible.
	<p>The temperature in the freezer section is too high.</p> <ul style="list-style-type: none"> ■ Set a lower temperature.
	<p>The water pressure is too low.</p> <ul style="list-style-type: none"> ■ Check whether the water pressure is between 1.5 bar (150 kPa) and 6 bar (600 kPa). <p>Remember that it can take up to 24 hours to produce the first ice cubes.</p>
The ice cube maker is only producing small ice cubes.	<p>The size of the ice cubes depends on the quantity of water being taken in. You can set this quantity according to your wishes.</p> <ul style="list-style-type: none"> ■ To make larger ice cubes, increase the amount of water being taken in by the ice cube maker.

Problem solving guide

Problem	Possible cause and remedy
The ice cubes taste or smell odd.	The ice cube maker has been on for a long time and needs to be cleaned. ■ Clean the ice cube maker regularly (see "Cleaning and care - Rinsing the ice cube maker").
	The ice cube maker is rarely used. Ice cubes that are stored for a long time can absorb the taste and smell of other items. ■ Empty the ice cube drawer if you are not going to use the ice cube maker for a long time.
	Unwrapped food is stored in the freezer. Ice can absorb the taste and smell of unwrapped food. ■ Store only sealed food in the freezer section.
	The ice cube drawer is dirty. ■ If necessary, clean the ice cube drawer.
The indicator light on the ice cube maker is flashing.	The ice cube tray is in its cleaning position (see "Cleaning and care"). If this is not the case, then there is a fault. ■ Call Miele.

The interior lighting is not working

Problem	Possible cause and remedy
The interior lighting is not working.	The appliance is not switched on. ■ Switch the appliance on.
	To avoid overheating, the interior lighting switches itself off automatically after approx. 15 minutes if the door is left open. If this is not the case, there is a fault.
	<div>  Danger of electric shock! There are live electrical components under the lighting cover. The LED lighting must only be repaired or replaced by a Miele authorised service technician. </div>
	<div>  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. a magnifying glass). </div>
	■ Call Miele.

Problem solving guide

Other problems

Problem	Possible cause and remedy
Food has frozen together.	The food packaging was not dry when loaded 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 heat which results from the cooling process is used to avoid the build-up of condensation on the appliance.
The floor of the PerfectFresh zone 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 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	Possible cause and remedy
Rattling, vibrating, clinking	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 parts and refit them correctly.
	Bottles or containers are touching each other. Separate them.

After sales service

Contact in case of fault

In the event of any faults which you cannot remedy yourself, please contact Miele.

Contact information for Miele can be found at the end of this document.

Please quote the model and serial number of your appliance when contacting Miele. This information can be found on the data plate.

The data plate is located inside the appliance.

Warranty

The manufacturer's warranty for this appliance is 2 years.

For more information about country-specific warranty terms and conditions, please contact Miele.

Information about the water supply

The appliance may only be connected to the water supply by a suitably qualified technician.

Disconnect the appliance from the power supply before connecting it to the water supply.

Turn off the water supply before connecting the water supply line for the ice-cube maker.

The water quality must conform to the requirements for drinking water in the country in which the appliance is being installed (e.g. 98/83/EU).

The appliance must only be connected to the mains drinking water supply.

This appliance meets the requirements of IEC 61770 and EN 61770.

This appliance must be installed in accordance with AS/NZS 3500.1 and AS/NZS 3500.2. Back flow prevention is already integrated in the appliance.

Use the hoses supplied with the appliance. Old or used hoses must not be connected to the appliance.

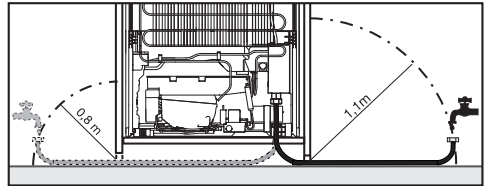
The appliance is only suitable for connection to a cold water line, which

- is directly connected to the fresh water mains in order to ensure sufficient circulation and therefore good water quality.

Avoid connection to a water supply in which the water might stagnate. This can affect the taste of water and ice cubes.

- withstands the operating pressure.
- complies with hygiene regulations.

The water pressure must be between 1.5 and 6 bar (150 and 600 kPa).



The stainless steel hose supplied is 1.5 m long and must not be lengthened.

A faulty stainless steel hose must only be replaced by an original Miele replacement hose (available from Miele). The water hose must be suitable for drinking water.

A tap must be provided between the stainless steel hose and the household water supply to ensure that the water supply can be disconnected if necessary.

Make sure that the tap is still accessible after the appliance has been installed.

Water connection

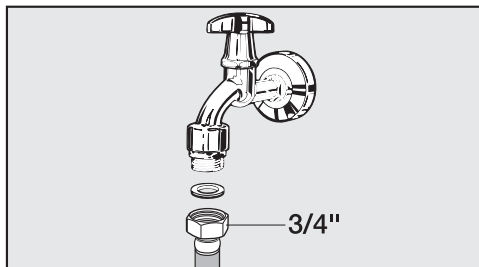
Connecting the water supply

Disconnect the appliance from the power supply before establishing the mains water connection.

A tap with a $\frac{3}{4}$ thread is required for connection to the water supply.

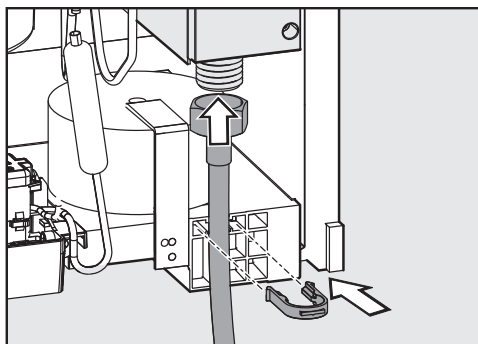
Before using the appliance for the first time, the water pipes should be purged of air by a qualified and competent person:

- To do so, the stainless steel hose should be filled with as much water as possible before being connected to the solenoid valve.
- Mop up any spillages with a cloth.



- Connect the straight end of the stainless steel hose to the tap.

Ensure that it is screwed into position correctly.



- The stainless steel hose should be attached to the solenoid valve at the base of the rear of the appliance.
- Secure the stainless steel hose to the appliance housing with the retaining clip.

Ensure that all connections are watertight.

- Turn on the tap slowly and check the whole water system for leaks.
- The appliance can now be connected to the power supply (see "Electrical connection").
- Push the appliance into its final position.

When doing so, make sure that the stainless steel hose is not kinked or damaged.

After a maximum of 24 hours the first ice cubes will drop out of the ice cube maker and collect in the drawer.

The appliance is supplied with a mains cable and moulded plug ready for connection to an AC single phase 220 – 240 V 50 Hz supply.

The fuse rating must be at least 10 A.

The voltage and frequency are given on the data plate. Please ensure that these match the household mains supply. Connection should be made via a suitable switched socket which is easily accessible. For extra safety it is advisable to install a suitable residual current device (RCD).

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 3 mm in the switch.

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.

Nor should other appliances be plugged into a socket located directly 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 connection cable needs to be replaced, this must be done by a qualified electrician.

WARNING:
THIS APPLIANCE MUST BE
EARTHED.

Installation



Fire risk and danger of damage!
Appliances which give off heat, such as toasters, mini-ovens or double burner hobs, can catch fire.

Do not place them on top of the refrigeration appliance.



Fire risk and danger of damage!
Do not place an open flame, e.g. a candle, on top of or next to the appliance.

This appliance has side wall heating and can be installed side by side with another appliance. Please contact Miele for information on which combinations are suitable for your appliance.

Location

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

When deciding where to install your refrigerator please bear in mind that it will use more energy if installed near a heater, cooktop or other appliance that gives off heat. Direct sunlight should also be avoided.

The higher the room temperature, the longer the compressor will run and the higher the energy consumption will be.

When installing the appliance, please note:

- The mains socket must not be located directly behind the appliance and must be easily accessible.
- The plug and cable must not touch the rear of the appliance as they could be damaged by vibrations from the appliance.

- Nor should other appliances be plugged into a socket located directly behind this appliance.



In environments with high humidity condensation can build up on the exterior of the appliance. This condensate can cause corrosion of the appliance walls.

For prevention, it is advisable to install the appliance with sufficient ventilation in a dry and/or air conditioned room.

Please ensure that the appliance doors close properly, the ventilation gaps are not covered over and the appliance is installed in accordance with these 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 result in the compressor switching off for too long, causing the internal temperature in the appliance to rise with the risk of food deteriorating and going off.

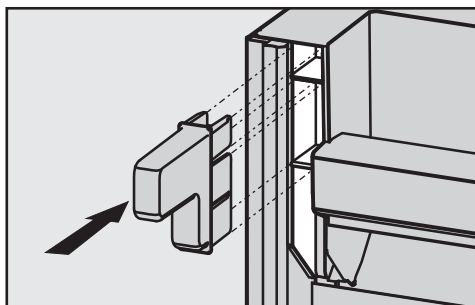
Ventilation

Air at the back of the appliance gets warm.

 To ensure effective ventilation the ventilation gaps must not be covered or blocked. They must also be cleaned on a regular basis to remove dust.

Fitting the supplied wall spacers

The wall spacers supplied must be used in order to achieve the stated energy consumption values and to prevent the build-up of condensation at high ambient temperatures. Appliance depth is increased by approx. 35 mm with the wall spacers fitted. If the wall spacers are not used the functionality of the appliance is not affected. However, energy consumption is slightly increased with less distance between the appliance and the wall.



- Fit the wall spacers onto the back of the appliance on the top left and right.

Installation

Installation

⚠ Two people are required for installing the appliance.

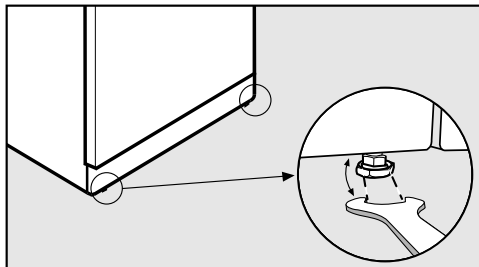
⚠ The appliance must be empty when it is installed.

⚠ Move the appliance carefully on floors that are sensitive to scratching to prevent damage.

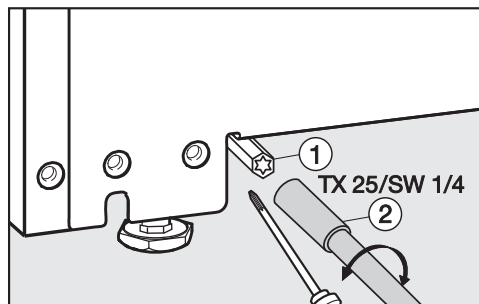
For easier installation there are transport handles on the back at the top and transport wheels underneath the appliance.

- Prepare the appliance for installation as close as possible to its intended installation location.
- Release the mains connection cable from the back of the appliance.
- Remove the cable clip from the back of the appliance.
- Move the appliance carefully to its intended installation location.
- Position the appliance with the wall spacers (if used) or the back close to the wall.

Aligning the appliance



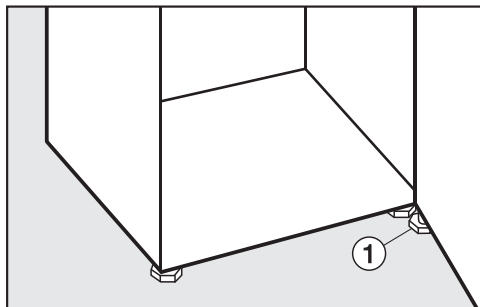
- To align the appliance, adjust the front feet using the spanner supplied.



If necessary, adjust the rear feet of the appliance using the two adjustment shafts ① at the front (located next to the front feet).

- Turn the adjustment shafts clockwise using a socket wrench ② in order to raise the rear of the refrigerator slightly.

Supporting the appliance door



- **Ensure** that you unscrew the adjustable foot ① from the lower hinge plate until it sits on the floor. Then unscrew the foot by a further $\frac{1}{4}$ turn.

Installation

Installing the appliance in existing kitchen units

⚠ If the required ventilation gaps are not adhered to the compressor will switch on more often and run for longer.

This will result in increased energy consumption and a higher operating temperature of the compressor. This, in turn, may cause damage to the compressor.

It is essential to observe the required ventilation gaps.

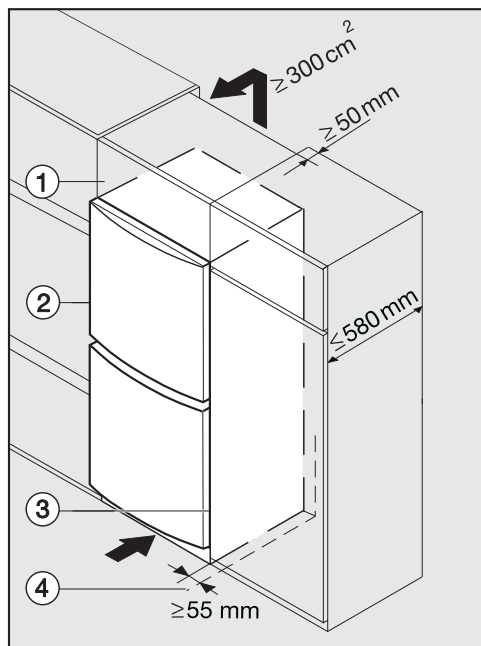
* The appliance depth is increased by approx. 35 mm for appliances with wall spacers fitted.

The appliance can be built into a run of kitchen units and installed directly next to a kitchen furniture housing unit. The appliance front must protrude in front of furniture fronts by at least 34 mm at the sides and by at least 55 mm in the middle. This enables the doors to be opened and shut without being obstructed. To match the height of the kitchen units in the run, the appliance can be fitted with a suitable top box ①.

When installed next to a wall ④ a distance of at least 55 mm must be maintained on the hinge side between the wall ④ and the appliance ②.

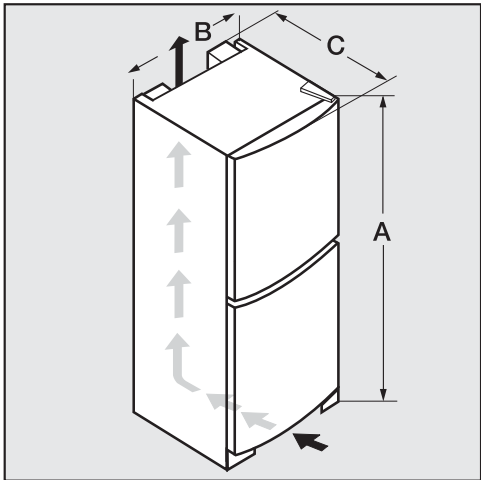
The larger the ventilation gap, the more economically the compressor will work.

- A ventilation gap of at least 50 mm depth must be provided at the back of the appliance behind the whole width of the top box for air to circulate.
- The ventilation gap under the ceiling must be at least 300 cm^2 to ensure that the warm air can escape unhindered.



- ① Top box
- ② Refrigeration appliance
- ③ Housing unit
- ④ Wall

Appliance dimensions



* Dimensions without wall spacers fitted. Appliance depth is increased by 35 mm with the wall spacers supplied fitted.

	A [mm]	B [mm]	C [mm]*
KFN 14827 SDE ed/cs-2	1850	600	630

Installation in a side by side combination

To avoid a build-up of condensation and resultant damage, refrigerators and freezers should not generally be installed directly next to other such appliances (side by side). However, this appliance has side wall heating and can be installed side by side with certain other Miele appliances.

Please contact Miele for information on which combinations are suitable for your appliance.

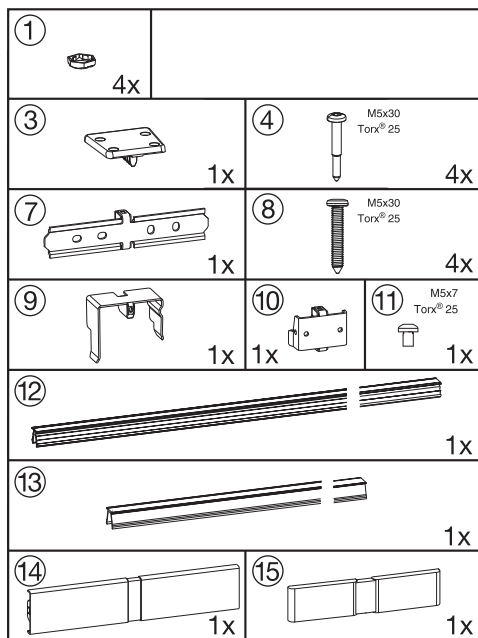
Risk of damage!

The assembled side by side combination is very heavy. Incorrect moving of the combination can cause the appliances to become dented.

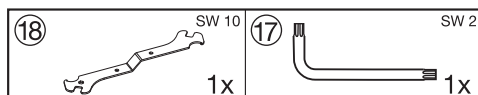
Please observe the following notes when moving a side by side appliance combination.

It is essential that all installation work is carried out by two people.

All fixings required for side by side installation are supplied with the appliance:



The following tools are supplied with the appliance:



⑮ SW 10 spanner

⑰ SW 12 Allen key
(only needed for refrigerators with height adjustment at the rear)

The following additional tools are also required:

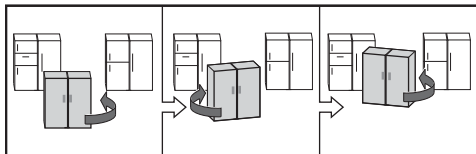
- Spirit level
- Cordless screwdriver and
- TX 25 screwdriver

Installation in a side by side combination

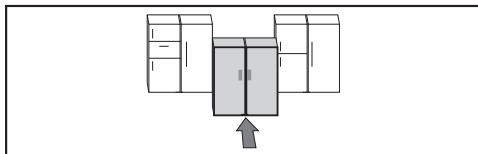
Installation

- This refrigerator with freezer section must be installed to the left of another refrigeration appliance or freezer (when viewed from the front). The side wall heating in the inner wall of this refrigeration appliance is designed to prevent the build-up of condensation between the two appliances.
- Place the two appliances as close as possible to their final position so that they can be aligned for any unevenness in the floor. The backs of the appliances must be kept accessible to complete the installation.
- Before installing peel off any protective foil from the appliance casing.

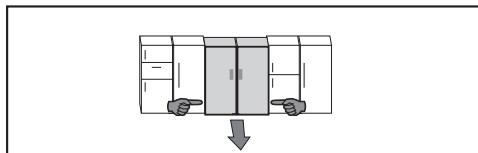
Notes on moving side by side appliance combinations:



- Push the combination alternately from the left and right corners. Whilst doing so grasp the outside front corners. Do not, under any circumstances, use your knees to push against the sides or the appliance doors.



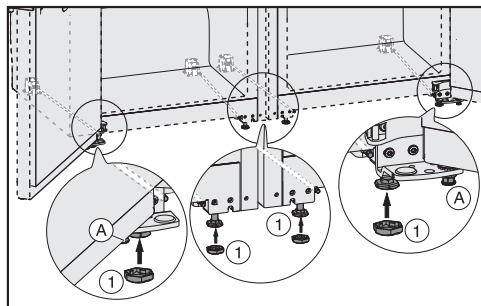
- Once the side by side combination is directly in front of the niche, push it carefully into position.



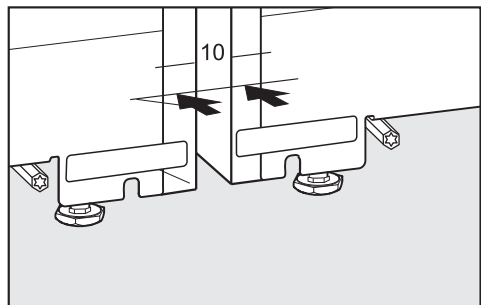
- If it is necessary to pull the combination back out of the niche, hold it by the lower third and pull it straight out.

Installation in a side by side combination

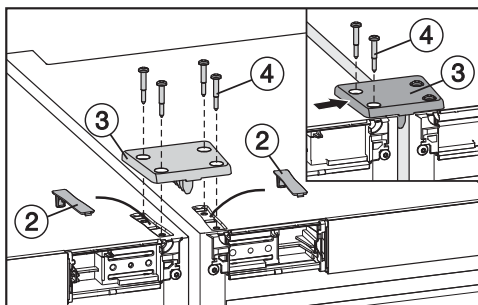
Installation steps for the front of the appliances



- Screw the adjustable feet **A** (for supporting the doors) in fully using the spanner **18** supplied. They must not touch the floor.
- Fit the caps **1** on the four front adjustable feet.



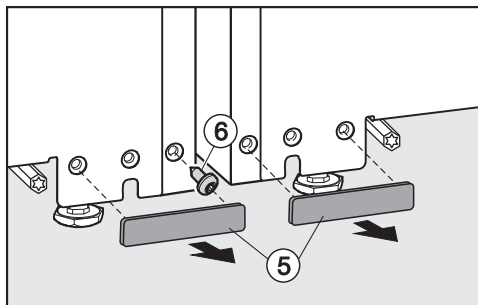
- Place the appliances next to each other so that the fronts are aligned, leaving a gap of 10 mm between them.



- Remove the top covers **2**.

When the connecting plate is fitted, both appliances will be aligned with each other in height and depth. If one appliance stands higher than the other, start with the higher one first.

- Place the connecting plate **3** in position and loosely attach it to **one of the appliances** with two screws **4**.
- Adjust the connecting plate **3** until its centre piece abuts against the side of the appliance.
- Now tighten both screws **4**.
- Screw the connecting plate **3** to the **second appliance**. When doing so push the appliances together or further apart as necessary.

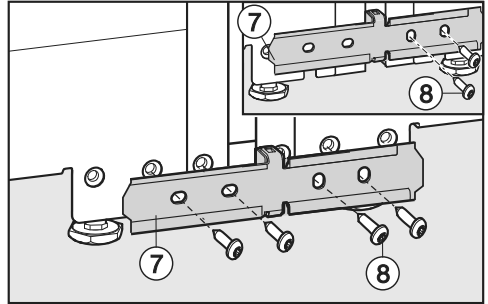


- Remove both covers **5**, if present, from the bottom of the appliances.

Installation in a side by side combination

- Remove the screw ⑥ if present. It is no longer required.

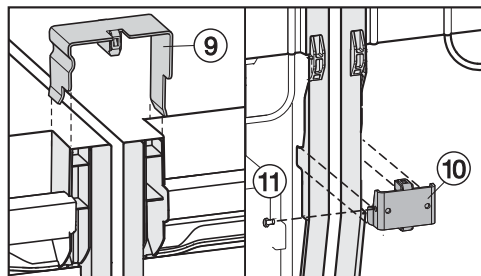
When the connecting bracket is fitted, both appliances will be aligned with each other in depth. If one appliance protrudes more than the other start with the one that protrudes more.



- Position the connecting bracket ⑦ so that the vertical slots are next to the appliance where the bracket is to be first secured.
- Secure it loosely in position with two screws ⑧.
- Adjust the connecting bracket ⑦ until its centre piece abuts against the side of the appliance.
- Now tighten the screws ⑧.
- Screw the connecting bracket ⑦ to the second appliance. When doing so push the appliances further together if necessary.

Installation in a side by side combination

Installation steps for the back of the appliances



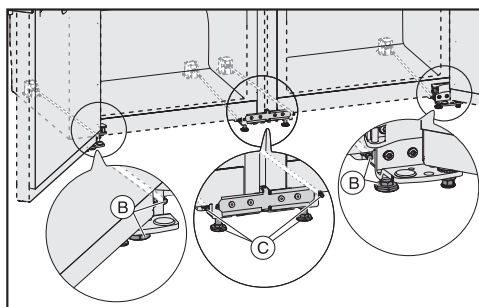
- Fit the connecting clamp ⑨ at the top over the middle two side walls.
- Then fit the connecting bracket ⑩ into the appropriate recess below it.
- Tighten the connecting bracket ⑩ with the screw ⑪ provided.
Warning: Do not under any circumstances drill a hole for this screw in the appliance!

Useful tip:

To avoid vibrations, neither the clamps, brackets nor the screws should touch the pipework on the back of the appliances.

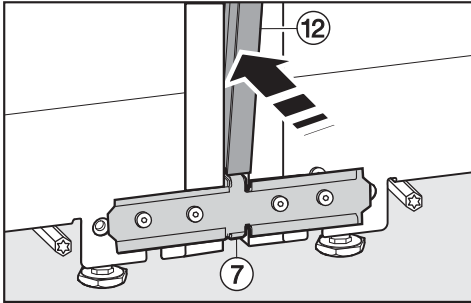
Additional installation steps for the front of the appliances

Risk of damage to the roller plinth!
When levelling the appliances by the rear adjustable feet, do not use a power screwdriver because this could damage the height adjustment mechanism or loosen the adjuster rods. The adjustable feet must only be adjusted by hand.



- Adjust the front feet with the spanner supplied ⑱.
- Screw in the central adjustable feet ③ so that they do not touch the floor.
- Now level the complete side by side combination with the outermost adjustable feet ②.

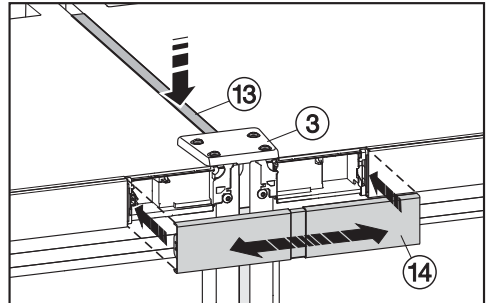
Installation in a side by side combination



- Press the long piece of stainless steel trim ⑫ into the gap at the front between the two appliances. Ensure that it is seated against the connecting bracket ⑦.

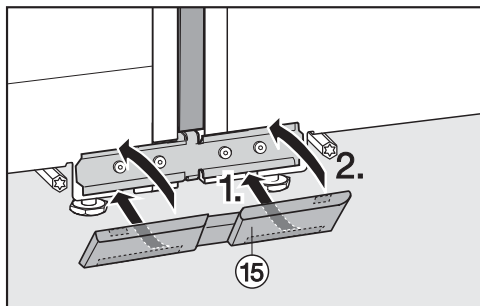
Useful tip: Press both ridges along the entire length of the trim together. This simplifies the process of fitting the trim into the gap.

- Carefully work the stainless steel trim ⑫ into the gap. Use a soft cloth to do this to avoid denting the trim.
- Remove the protective foil from the stainless steel trim.



- Press the top edge of the short trim ⑬ into the gap. When doing so make sure that the front edge of the trim is flush with the edge of the connecting plate ③.
- Clip the cover ⑭ between the two control panels. Ensure that the outside edges of the cover are flush with the control panels. The cover is extendable for this purpose.

Installation in a side by side combination

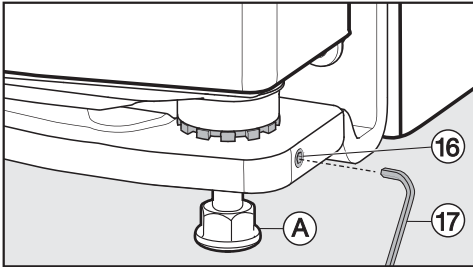


⚠ Warning! Risk of damage when moving the appliance combination!
The assembled side by side combination is very heavy. Incorrect moving can cause dents. Follow the instructions on how to move it.

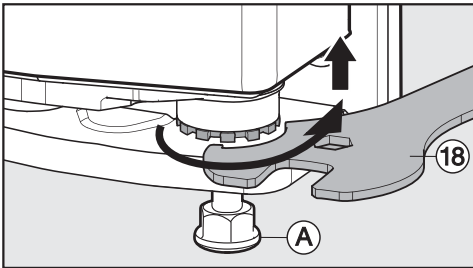
- Fit the bottom cover ⑮ from above onto the connecting bracket at the bottom of the appliances at the front.
- Connect both appliances to the electricity supply in accordance with their individual operating instructions.
- Appliances with ice cube maker: Connect the appliance to the water supply in accordance with its operating instructions.
- The side by side combination must be pushed very carefully into position.
- Adjust the height of the side by side combination again if necessary via the outer two adjustable feet ②.
- Unscrew the middle adjustable feet ③ until they touch the floor.
- Support the appliance doors on the hinge plate using the adjustable foot ④: Unscrew the adjustable foot ④ until it touches the floor. Then unscrew it by a further 90°.

Aligning the appliance doors

For height-adjustable refrigerators (stainless steel appliances): The appliance doors can be height-adjusted at the lower hinge plates.



- Unscrew the set screw 16 a maximum of one turn using the Allen key 17 supplied.



- Adjust the height of the hinge pin with the spanner 18 supplied. The appliance is delivered with the hinge pin fully screwed in.
 - To raise the door: turn it clockwise.
 - To lower the door: turn it anti-clockwise.
- Tighten the set screw 16. The hinge pin is fastened again.

Please align the handles on both doors if necessary (see "Changing the door hinging").

Changing the door hinging

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

Please note that the hinging must not be changed if this appliance is going to be installed side by side with another refrigeration appliance.

⚠ Always change the door hinging with the assistance of another person.

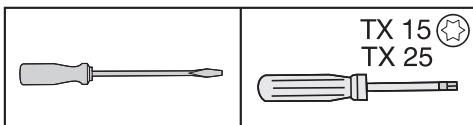
⚠ If a door seal is damaged or has come out of the groove, the door will not close properly and cooling performance will be reduced.

Condensate will build up in the interior and this can cause a build-up of ice.

Do not damage the door seals and ensure that they do not come out of their groove.

Preparing to change the door hinging

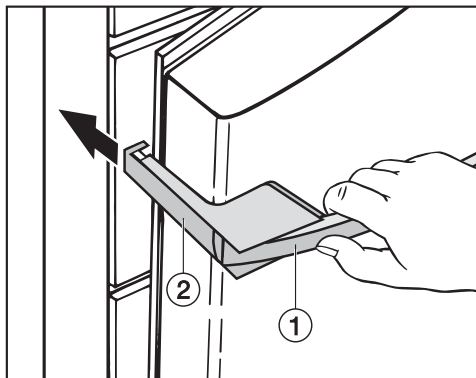
To change the door hinging, you will need the following tools:



- Place a suitable cover on the floor in front of the appliance to protect the appliance door and your floor from damage.

Do **not** change the hinging if this appliance is going to be installed side by side with another refrigeration appliance. The other refrigeration appliance or freezer must be installed to the right of this refrigerator.

Removing the door handles



- When you pull the door handle ①, the sidebar ② slides back.
- Pull the sidebar ② firmly to the back out of the guides on the mounting plate.
- Now loosen the four screws (TX15) in the mounting plate and remove the handle.
- Remove the cover caps from the opposite side, and fit them into the empty holes.

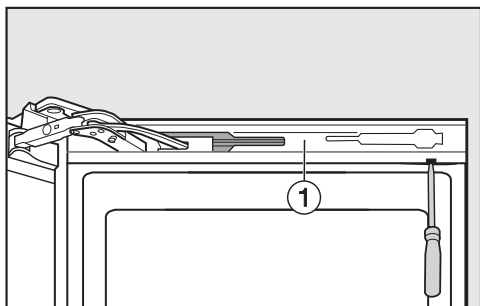
Changing the door hinging

Removing the upper soft-close mechanism

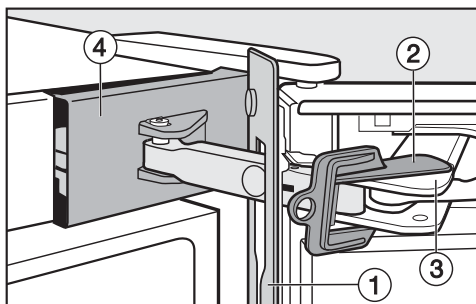
- Open the upper appliance door.

⚠ If a door seal is damaged the door will not close properly and cooling performance will be reduced. Condensate will build up in the interior and this can cause a build-up of ice.

Do not damage the door seals.



- Loosen the panel ① from the soft-close mechanism by inserting a flat-headed screwdriver into the gaps from below and, taking care, gradually lifting the panel off.



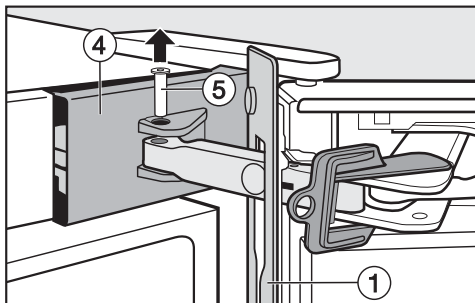
- Push the panel ① toward the appliance and leave it hanging there between the door and appliance for the time being.
- Place the safety device ② (supplied with the refrigerator) on the soft-close mechanism ③ so that it engages.

The safety device prevents the hinge from snapping shut.

Do not remove the red safety device until instructed to do so.

- Gently loosen the cover ④ from the latch by inserting a flat-headed screwdriver from above and below.

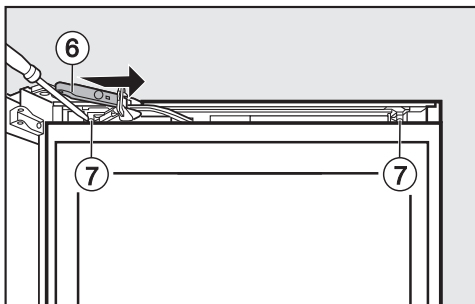
Changing the door hinging



- Push the pin ⑤ up and out from below using a flat-headed screwdriver.
- Remove the cover ④.

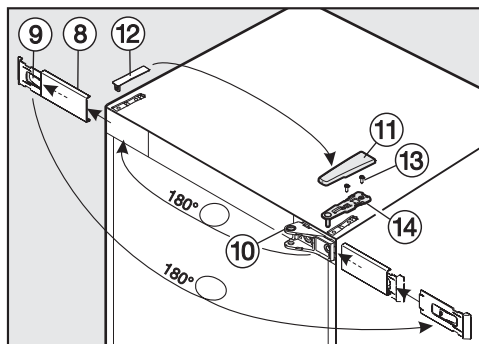
Now the soft-close mechanism and the appliance are no longer connected.

- Remove the panel ①.



- Slide the soft-close mechanism bracket ⑥ as far as it will go towards the handle side of the door, and undo the screws ⑦ on the soft-close mechanism.
- Using a flat-headed screwdriver, slide the soft-close door mechanism towards the handle side of the door, and lever it out at the side.
- Put the soft-close mechanism aside.

Removing the upper door



- Loosen the cover ⑧ by carefully inserting a flat-headed screwdriver into the gap from below.
- Remove the cover ⑧ together with the retainer ⑨.
- Separate the retainer ⑨ from the cover ⑧ by pushing it to the left slightly and then pulling the cover forward and off.
- Turn the retainer ⑨ 180°.
- Fit the cover ⑧ on the retainer ⑨ from the front and push it to the right. The writing must be visible.
- Unscrew the hinge part ⑩, turn it 180° and fit it on the opposite side. If necessary drill pilot holes for the screws.
- Remove the upper cover ⑪ by sliding it forward from the back and then lifting it up and off.
- Remove the cover ⑫ by pulling it upwards.
- Close the upper appliance door.

Changing the door hinging

⚠ Danger of injury when removing the appliance door!

The appliance door is no longer secure once the hinge plate has been removed.

The door must be held by a second person.

- Loosen the screws ⑬ in the upper hinge plate ⑭ and pull it upwards and off.

⚠ Danger of injury when removing the upper door!

As soon as the hinge pin is located in the upper door rather than in the middle hinge plate, the lower door is not secured and could fall off.

Ensure that the hinge pin remains located in the middle hinge plate and in the lower door.

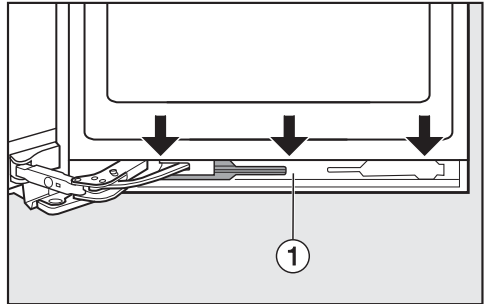
- Carefully lift the upper door up and off and set it aside.
- Then fit the cover ⑧ together with the retainer ⑨ on the opposite side.
- Attach the cover ⑫ on the opposite side.

Removing the lower soft-close mechanism

- Open the lower door.

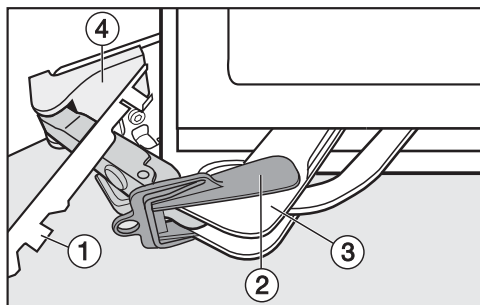
⚠ If a door seal is damaged the door will not close properly and cooling performance will be reduced. Condensate will build up in the interior and this can cause a build-up of ice.

Do not damage the door seals.



- Loosen the panel ① from the soft-close mechanism by inserting a flat-headed screwdriver into the gaps from below and, taking care, gradually lifting the panel off.

Changing the door hinging

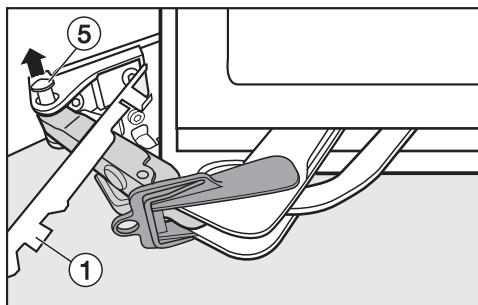


- Push the panel ① toward the appliance and leave it hanging there between the door and appliance for the time being.
- Place the safety device ② (supplied with the refrigerator) on the soft-close mechanism ③ so that it engages.

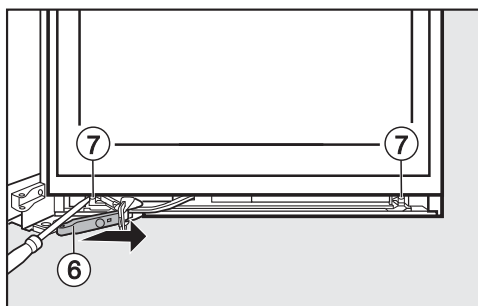
The safety device prevents the hinge from snapping shut.

Do not remove the red safety device until instructed to do so.

- Use a flat-headed screwdriver to carefully remove the cover ④ from the side.
- With the help of another person, tip the appliance back slightly.



- Push the pin ⑤ up and out from below.
- Now the soft-close mechanism and the appliance are no longer connected.
- Remove the panel ①.



- Slide the soft-close mechanism bracket ⑥ as far as it will go towards the handle side of the door, and undo the screws ⑦ on the soft-close mechanism.
- Using a flat-headed screwdriver, slide the soft-close door mechanism towards the handle side of the door, and lever it out at the side.
- Put the soft-close mechanism aside.

Changing the door hinging

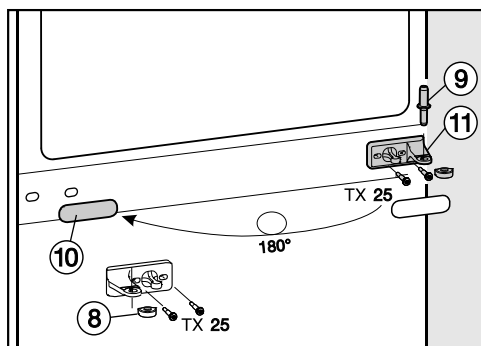
Removing the lower door

- Close the lower appliance door.

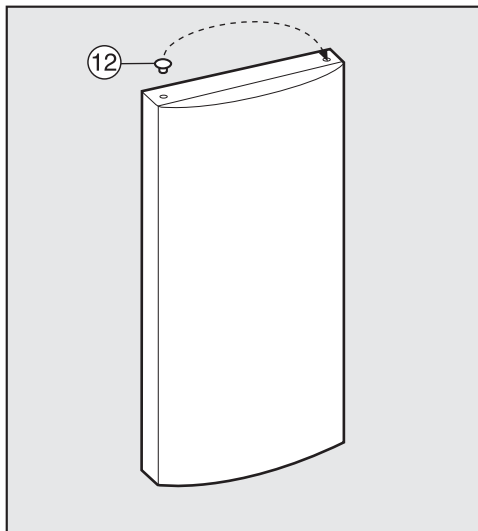
⚠ Danger of injury when removing the lower door!

As soon as the hinge pin is removed from the lower door, the door is no longer secured.

The door must be held by a second person.



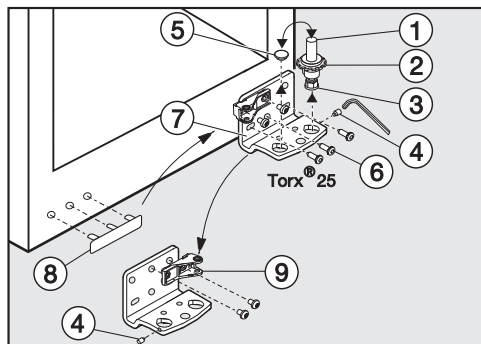
- Remove the hinge pin ⑨ from the middle of the appliance by pulling it upward.
- Carefully lift the lower door up and off, and set it aside.
- Pull the cover ⑩ off.
- Unscrew the hinge plate ⑪, turn it 180°, and screw it into place on the opposite side.
- Turn the plastic cap ⑧ 180° and refit it in the centre of the hinge plate ⑪.
- Attach the cover ⑩ on the opposite side.



- Lift each of the plugs ⑫ out of the door bushings and reinsert them on the opposite side.

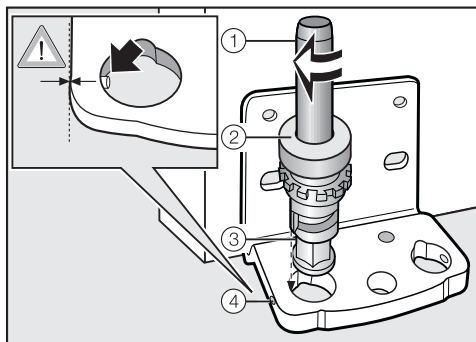
Changing the door hinging

Refitting the lower door



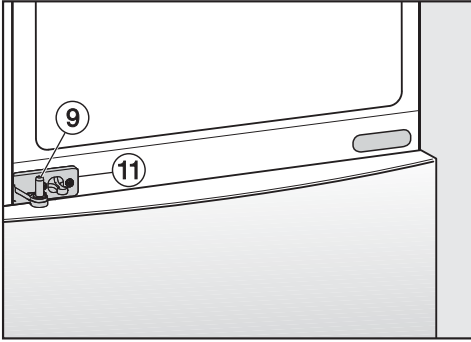
- Unscrew the set screw ④ by one turn using the Allen key supplied.
- Pull the hinge pin ① complete with the washer ② and adjusting foot ③ upwards to remove.
- Remove the stopper ⑤.
- Undo the screws ⑥ and remove the hinge plate ⑦.
- Unscrew the hinge part ⑨ from the hinge plate ⑦, turn it 180°, and screw it into the opposite hole in the hinge plate.
- Insert the stopper ⑤ into the other hole.
- Unscrew the set screw ④ completely with the Allen key.
- Screw the set screw ④ into the hinge plate on the opposite side until the screw sits flush with the outer edge of the hinge plate. Make sure that the end of the set screw protrudes far enough from the hinge pin hole so that it can fit into the groove in the hinge pin later (see following picture).
- Remove the cover ⑧ and fit it into the holes on the opposite side.

- Screw the hinge plate ⑦ onto the opposite side, using only the outer two slots. Do not use the middle hole because you will not be able to align the door later on.
- Important: Screw the adjustable foot ③ into the hinge pin ① as far as it will go.



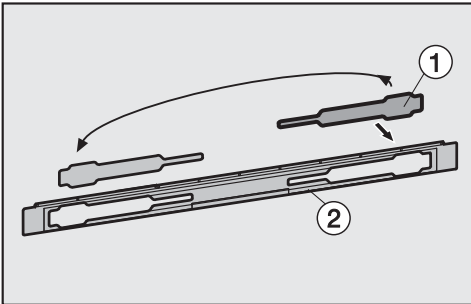
- Place the entire hinge pin ① complete with the washer ②, foot ③, and groove onto the end of the set screw and screw it in.
- Tighten the set screw ④.
- Place the lower door on the hinge pin ① from above.
- Close the lower appliance door.

Changing the door hinging

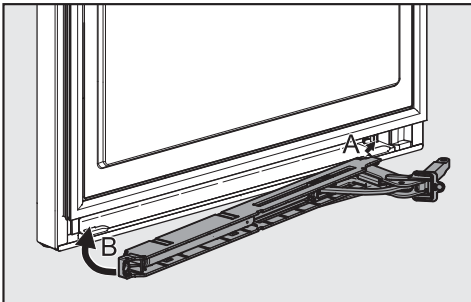


- Insert the hinge pin ⑨ in the middle of the appliance through the hinge plate ⑪ and into the lower door.

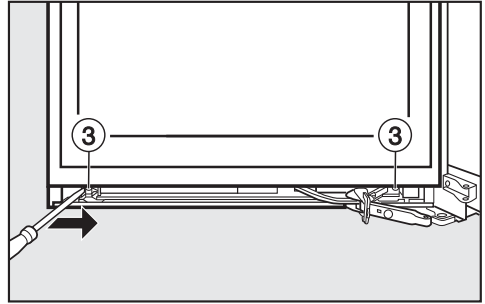
Lower soft-close mechanism



- Remove the cover ① from the panel ②, turn it 180°, and reinsert it on the other side.



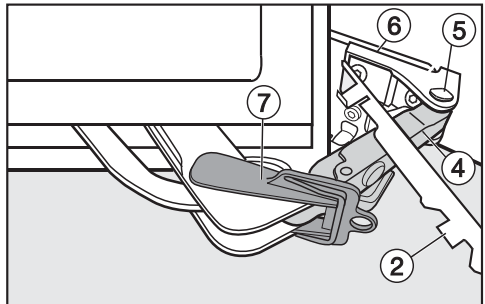
- Insert the soft-close mechanism back into the door, starting at the appliance side.



- Using a flat-headed screwdriver, slide the soft-close door mechanism towards the appliance side.

The screw holes on the left and right must line up perfectly.

- First screw the soft-close mechanism onto the appliance side, then onto the handle side using the screws ③, pushing it firmly towards the appliance.

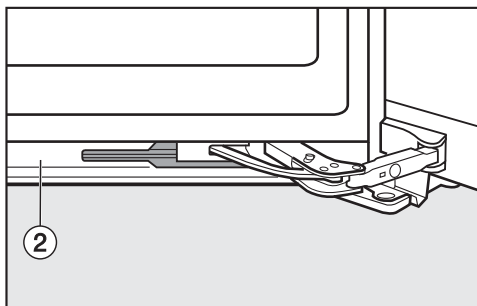


- Attach the panel onto the soft-close mechanism bracket ④.
- Pull the soft-close mechanism bracket ④ toward the hinge plate and insert the pin ⑤ from above so that the square fits into the recess.
- Fit the cover ⑥ back into place so that it engages.

Changing the door hinging

Make sure that the cover ⑥ fits properly so that the door can be closed without hindrance and the pin is secured.

- Remove the safety device ⑦.

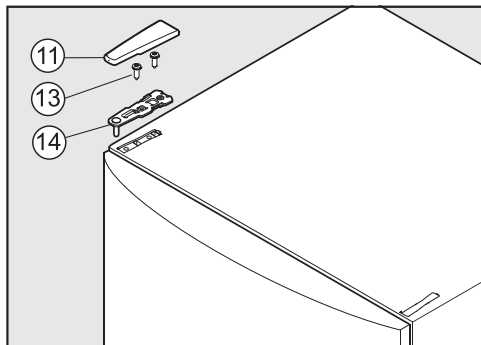


- Replace the panel ② onto the soft-close mechanism from above, clicking it back into place first at the bottom and then at the top.

- Close the lower appliance door.

Refitting the upper door

- Place the upper door onto the hinge pin ⑨ in the middle of the appliance.
- Close the upper appliance door.

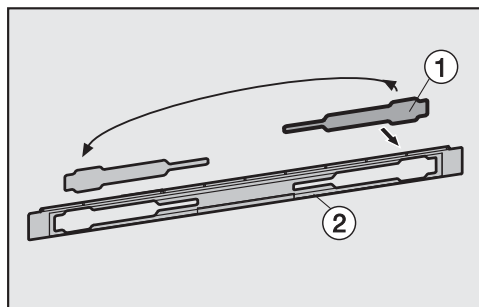


- Fit the hinge plate ⑭ on the opposite side and secure it in place with the screws ⑬.

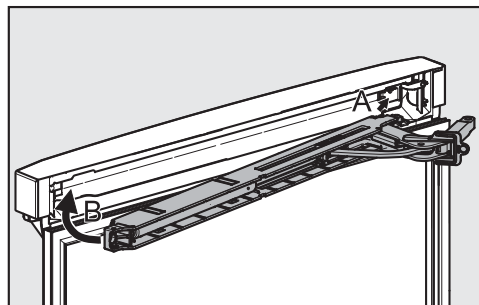
Useful tip: Drill pilot holes for the screws first.

- Attach the cover ⑪ on the opposite side.
- Align the door with the appliance housing using the slots in the lower hinge plate. Then tighten the screws.

Refitting the upper soft-close mechanism



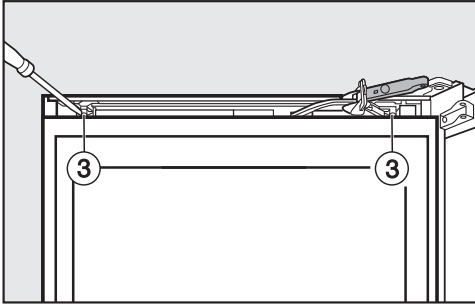
- Remove the cover ① from the panel ②, turn it 180°, and reinsert it on the other side.



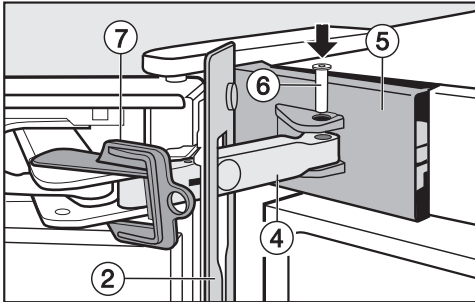
- Insert the soft-close mechanism back into the door, starting at the appliance side.
- Using a flat-headed screwdriver, slide the soft-close door mechanism towards the appliance side.

Changing the door hinging

The screw holes on the left and right must line up perfectly.



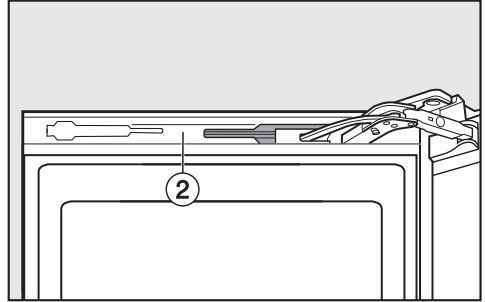
- First screw the soft-close mechanism onto the appliance side, then onto the handle side using the screws ③, pushing it firmly towards the appliance.



- Attach the panel ② onto the soft-close mechanism bracket ④.
- Slide the cover ⑤ on from the side so that the openings for the pin ⑥ are aligned.
- Pull the soft-close mechanism bracket ④ toward the hinge plate and insert the pin ⑥ from above so that the square fits into the recess.
- Click the cover ⑤ completely into place.

Make sure that the cover ⑤ fits properly so that the door can be closed without hindrance and the pin is secured.

- Remove the safety device ⑦.

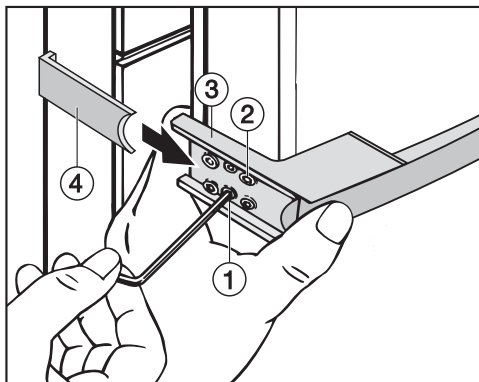


- Replace the panel ② onto the soft-close mechanism from above, clicking it back into place first at the bottom and then at the top.
- Close the upper appliance door.

Changing the door hinging

Reattaching the door handles

Please make sure you follow the instructions below carefully when you refit the handles. The door seal will be damaged if the handles are fitted incorrectly.



- To begin with, loosely attach the door handle to the opposite side with the two front screws ②.

The mounting plate ③ must be positioned on the door casing so that when the door is closed it is flush with the outer wall of the appliance.

- If this is not the case, turn the two pre-mounted set screws ① with the Allen key until the mounting plate ③ is positioned at the correct angle.
- Firmly tighten all 4 screws ②.
- From the appliance side, slide the sidebar ④ into the guide on the mounting plate until you hear it click into place.

Make sure that the sidebar ④ does not come into contact with the door seal when the door is opened. This would cause permanent damage to the door seal.

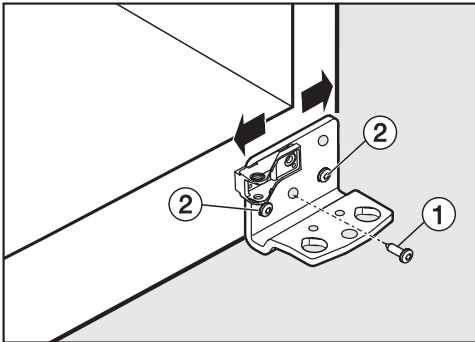
- If this is the case, realign the mounting plate ③ using the set screws ① until the mounting plate and the sidebar ④ are at the correct angle and the sidebar no longer comes into contact with the seal when the door is opened.

Aligning the appliance doors

The appliance doors can be aligned with the appliance housing after they have been fitted.

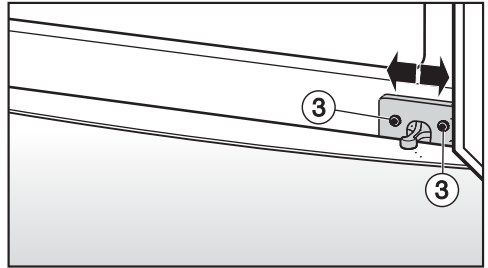
In the following illustration the door is not shown in the closed position to make it easier to see what you have to do.

To align the lower door use the long outer slots in the lower hinge plate:



- Remove the centre screw ① from the hinge plate.
- Slightly loosen both outer screws ②.
- Align the door by sliding the hinge plate to the left or right.
- Then tighten the screws ②. The screw ① does not need to be refitted.

To align the upper door, use the outer slots in the middle hinge plate:



- Slightly loosen both screws ③.
- Align the door by sliding the hinge plate to the left or right.
- Then tighten the screws ③.

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