





Operating and installation instructions

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 not suitable for outdoor use.

► This appliance is intended to store deep frozen food, freeze fresh food, and to make ice.

Any other usage is not supported by the manufacturer and could be dangerous.

Warning and Safety instructions

▶ 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.

▶ 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 or pull it over their heads with the risk of suffocation. Keep children away from any packing material.

Technical safety

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

Warning and Safety instructions

▶ This appliance contains the coolant Isobutane (R600a), a natural gas which is environmentally friendly. Although it is flammable, it does not damage the ozone layer and does not increase the greenhouse effect.

The use of this coolant has, however, led to a slight increase in the noise level of the appliance. In addition to the noise of the compressor, you might be able to hear the coolant flowing around the system. This is unavoidable, and does not have any adverse effect on the performance of the appliance.

Care must be taken during the transportation and setting up of the appliance that no parts of the cooling system are damaged. Leaking 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 an appliance, the larger the room it should be installed in. In the event of a leakage, if the appliance is in a small room, there is the danger of combustible gases building up. For every 8 g of coolant at least 1 m³ of room space is required. The amount of coolant in the appliance is stated on the data plate inside the appliance.

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

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

Warning and Safety instructions

- ▶ 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 to protect the user from danger.
- ▶ 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, it could cause a short circuit. Therefore, do not operate this appliance in areas which are exposed to moisture.
- ▶ 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.
- ▶ For safety reasons, this appliance may only be used when it has been fully installed.
- ▶ During installation, maintenance and repair work, the appliance must be disconnected from the mains electricity supply. It is only completely isolated from the electricity supply when:
 - the mains fuse has been disconnected, or
 - the screw-out fuse is removed (in countries where this is applicable), or
 - it is switched off at the wall socket and the plug is withdrawn from the socket. Do not pull the mains connection cable but the mains plug to disconnect your appliance from the mains electricity supply.
- ▶ Repairs and other work by unqualified persons could be dangerous. Installation, maintenance work and repairs to electrical appliances must only be carried out by a Miele approved service technician.

Warning and Safety instructions

- ▶ 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.

Correct use

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

Warning and Safety instructions

- ▶ 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.

Warning and Safety instructions

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.
- ▶ 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.

Caring for the environment

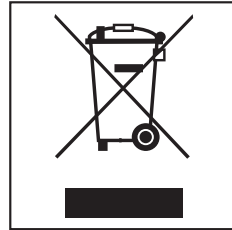
Disposal of the packing material

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 materials which, if handled or disposed of incorrectly, could be potentially hazardous to human health and to the environment. They are, however, essential for the correct functioning of your appliance. Therefore, please do not dispose of your old appliance with your household waste.



Please dispose of it at your local community waste collection / recycling centre.

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.

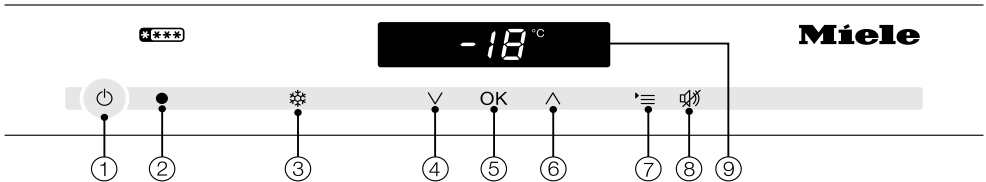
How to save energy

	Normal energyconsumption	Increased energyconsumption
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 there is a high room temperature.
	Where the cross-section of the air inlet and outlet is not covered and kept free of dust.	Where the air inlets and outlets are covered or dusty.
Temperature settings	Freezer section -18 °C	With a low temperature setting: The lower the temperature in the appliance, the higher the energy consumption.

How to save energy

	Normal energyconsumption	Increased energyconsumption
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 cool bag when shopping and load food in the appliance as soon as possible. Replace any food removed as quickly as possible, before it begins to thaw. Allow hot food and drinks to cool down before placing them in the appliance.	Hot food or food at room temperature raises the temperature inside the appliance. The appliance works harder to cool down and the compressor runs for longer periods.
	Store food well packaged.	The evaporation or condensation of liquids will cause a loss of coldness.
	Do not overfill the appliance to allow air to circulate.	










Control panel



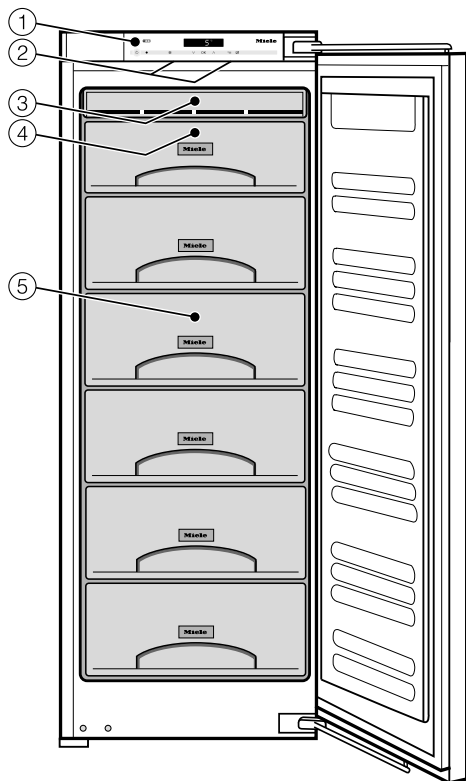
- ① On/Off sensor for the whole appliance
- ② Optical interface (for Service only)
- ③ For switching the SuperFreeze function on and off
- ④ For setting the temperature (∇ colder), selection sensor in settings mode
- ⑤ For confirming a selection (OK sensor)
- ⑥ For setting the temperature (∧ warmer), selection sensor in settings mode
- ⑦ For selecting and deselecting the settings mode
- ⑧ For switching the door alarm off
- ⑨ Display with temperature display and symbols (symbols are only visible in settings mode if an alarm is sounding, or if a message appears; for an explanation of the symbols, see the following chart)

Guide to the appliance

Explanation of symbols

Symbol	Meaning	Function
	Safety lock	Secures against unintended switching off of the appliance, unintended temperature adjustment, unintended switching on of SuperFreeze, and unintended entry of settings
	Audible tones	Selection options for the keypad tone and the door and temperature alarm tones
	Miele@home	Only visible when a communication module is fitted and signed on (see "Miele@home")
	SmartGrid	Only visible when a communication module is fitted and signed on (see "Miele@home")
	Display brightness	Setting the brightness of the display
	Sabbath mode	Switching Sabbath mode on and off
	Mains connection	Confirms that the appliance is connected to the electricity supply when it is not switched on; Flashes when there is a power cut
	Alarm	Lights up when there is a door alarm; flashes when there is a temperature alarm, power cut or a fault
	Demo mode (only visible when Demo mode is active)	Switching off Demo mode

Guide to the appliance



- ① Control panel
- ② Interior lighting
- ③ Frost-free unit
- ④ Top freezer drawer, can also be used as a freezing tray
- ⑤ Freezer drawers (number depends on model)

This picture is an example of an appliance model.

Switching on and off

Before using for the first time

Packaging material

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

Cleaning

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


- 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.


Each touch of a sensor is confirmed with a keypad tone. The keypad tone can be switched off if you wish (see "Further settings").

Switching on


When the appliance is connected to the electrical supply, the mains connection symbol  will appear in the display after a short while.



- Touch the On/Off sensor.

The mains connection symbol  goes out and the temperature appears in the display. Two bars will flash in the display while the current temperature is above 0 °C.

The appliance begins to cool.

The temperature display and the alarm symbol  will flash at the same time until the required temperature is reached.

When the appliance door is opened, the interior lighting comes on and the LED lighting becomes brighter until it reaches its maximum brightness.

To enable the temperature to get sufficiently cold inside the appliance, allow the appliance to run for a few hours before placing food in it.

Switching off



- Touch the On/Off sensor.
If this does not work, the safety lock is activated.

The temperature display disappears and the mains connection symbol $\text{---}\text{G}$ lights up.

The cooling process will be switched off.

Switching off the appliance in Sabbath mode

The appliance can be switched off directly at any time.



- Touch the On/Off sensor.

The temperature display disappears and the mains connection symbol $\text{---}\text{G}$ lights up.

The cooling process will be switched off.

When the appliance is switched back on again, Sabbath mode is deactivated.

Switching off for longer periods of time

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 fuse or remove the screw-out fuse in countries where this is applicable,
- clean the appliance, and
- leave the door open to air out the appliance and avoid the formation of odours.

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 and odours building up inside the appliance.

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.

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.

The temperature in the appliance will rise:

- the more often the door is opened and the longer it is kept open,
- the more food that is stored in it,
- the warmer the food is which is being put into it,
- the higher the ambient temperature surrounding the appliance. The appliance is designed for use within specific ambient temperatures (climate range). Do not use in ambient temperatures for which it is not designed.

Temperature display

In normal operation the temperature display shows the **average, current temperature in the freezer**.

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

Depending on the room temperature and the temperature setting, it can take several hours until the selected temperature is reached and displayed steadily.

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

The correct temperature

Setting the temperature

- Use the two sensors underneath the display to set the temperature.

By touching the sensor



- the temperature will get colder,



- the temperature will get warmer.

While the temperature is being set, the temperature value will flash.

The following information appears in the display while the sensors are being touched:

- When first tapped: The **last temperature selected** flashes.
- Each subsequent touch of a sensor: The temperature is adjusted in 1 °C steps.
- Leaving a finger on the sensor changes the temperature continuously.

Approximately 5 seconds after the last time a sensor has been touched, the **current** temperature inside the appliance is automatically shown.

or

- Touch OK to confirm your selection.

If 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, as 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, you will need to adjust it again.

Temperature range

The temperature can be adjusted between -15 °C and -28 °C.

Using SuperFreeze

SuperFreeze

Switch the SuperFreeze function on before putting fresh food into the freezer.

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

Exceptions:

- When putting in food that is already frozen.
- When freezing up to 2 kg fresh food daily.

Switching on SuperFreeze

When freezing small quantities of food in the freezer, the SuperFreeze function should be switched on **6 hours beforehand**. When freezing the **maximum load of food**, the SuperFreeze function should be switched on **24 hours beforehand**.



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

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

Switching off SuperFreeze

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

To save energy, the SuperFreeze function can be switched off 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.




- Touch the SuperFreeze sensor so that it is no longer highlighted in yellow.

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 cannot rise unnoticed and to avoid energy being wasted if the door is left open.


Temperature alarm

If the freezer temperature becomes too warm, the alarm symbol  for the freezer flashes in the display and an alarm will also sound.

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

Audible and visual signals will be activated, for example,

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

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

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


Switching the temperature alarm off early

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




- Touch the alarm off sensor.

The alarm will stop.


The alarm symbol  will remain illuminated until the set temperature has been reached.

Temperature and door alarm

Door alarm

An alarm will sound if the door is left open for too long. The alarm symbol  will light up.

The time until the door alarm is triggered depends on the selected setting and can be either 2 minutes (factory default) or 4 minutes. The door alarm can also be switched off (see "Further settings - Audible tones").

As soon as the door is closed, the audible tone will stop and the alarm symbol  will disappear from the display.

If no audible tone sounds even though a door alarm is available, then the audible tone has been switched off in settings mode (see "Further settings - Audible tones").


Switching the door alarm off early

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




- Touch the alarm off sensor.





The audible tone stops.

The alarm symbol  remains illuminated until the door is closed.

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

When in settings mode, the door alarm and other fault messages are automatically deactivated although the alarm symbol  appears in the display.

Setting options

	Switching the safety lock on/off
	Switching audible tones on/off
	Changing the display brightness
	Turning Sabbath mode on/off

All other setting options are described below.

Safety lock

The safety lock can be activated to prevent:


- switching off,
- temperature changes,
- selection of the SuperFreeze function,
- adjustment of settings (only switching off the safety lock is possible).

The safety lock prevents the appliance being used without your knowledge, by children, for example.

Switching the safety lock on/off




- Touch the settings sensor.

All selectable symbols appear in the display and the  flashes.



- Touch the OK sensor to confirm your selection.

The last selected setting flashes in the display and the  symbol lights up.


Further settings



- By touching either the \wedge or \vee sensor you can now set whether the safety lock is to be switched on or off:
 \bar{D} : safety lock is switched off
 \bar{I} : safety lock is switched on




- Touch the OK sensor to confirm your selection.

The selected setting is saved and the  symbol flashes.



- Touch the settings sensor to leave settings mode. Otherwise, the electronics will leave settings mode automatically after approx. one minute.

When the safety lock is switched on,  lights up in the display.

Audible tones

The appliance has audible tones such as the keypad tone and the door and temperature alarms.


The keypad tone and door alarm warning tone can be switched on or off, but the temperature alarm cannot be switched off.

You can choose from four setting options. Option \bar{I} is set at the factory. This means that both the keypad tone and the door alarm are switched on.


Switching audible tones on/off



- Touch the settings sensor.


All selectable symbols appear in the display and the  flashes.



- Touch the sensors for setting the temperature (\wedge or \vee) repeatedly until the  symbol appears in the display.



- Touch the OK sensor to confirm your selection.

The last selected setting flashes in the display and the  symbol lights up.



- By touching the \wedge or ∇ sensor you can now select:

$\bar{0}$: keypad tone off; door alarm off

$\bar{1}$: keypad tone off; door alarm on (after 4 minutes)

$\bar{2}$: keypad tone off; door alarm on (after 2 minutes)

$\bar{3}$: keypad tone on; door alarm on (after 2 minutes)



- Touch the OK sensor to confirm your selection.

The selected setting is saved and the ♪ symbol flashes.



- Touch the settings sensor to leave settings mode. Otherwise, the electronics will leave settings mode automatically after approx. one minute.

Display brightness ☀

You can adjust the display brightness to suit the light conditions in the room.

The display brightness can be adjusted in steps from $\bar{1}$ to $\bar{3}$. The factory default setting is $\bar{3}$ (maximum brightness).

Changing the display brightness



- Touch the settings sensor.

All selectable symbols appear in the display and the 🔒 flashes.



- Touch the sensors for setting the temperature (\wedge or ∇) repeatedly until the ☀ symbol appears in the display.



- Touch the OK sensor to confirm your selection.

The last selected setting flashes in the display and the ☀ symbol lights up.


Further settings



- By touching the \wedge or ∇ sensor you can adjust the display brightness:
1: minimum brightness
2: medium brightness
3: maximum brightness



- Touch the OK sensor to confirm your selection.

The selected setting is saved and the  symbol flashes.



- Touch the settings sensor to leave settings mode. Otherwise, the electronics will leave settings mode automatically after approx. one minute.

Sabbath mode

The appliance offers a Sabbath mode for the purposes of religious observance.

The following are switched off:

- the interior lighting when the door is opened
- all acoustic and optical signals
- the temperature display
- the SuperFreeze function (if previously selected)

The following can be selected:

- the settings sensor for switching off Sabbath mode
- the On/Off sensor

The Sabbath mode will switch itself off automatically after approx. 120 hours.


Ensure that the doors are properly closed, as visual and audible alarms are switched off.

Any power failure during this time is not shown in the display. After a power failure, the appliance restarts in Sabbath mode.




Switching on Sabbath mode



- Touch the settings sensor.


All selectable symbols appear in the display and the  flashes.





- Touch the sensors for setting the temperature ( or ) repeatedly until the  symbol flashes in the display.



- Touch the OK sensor to confirm your selection.


The last selected setting flashes in the display and the  symbol lights up.




- By touching the  or  sensor you can now switch on Sabbath mode. To do this, select setting *1*.



- Touch the OK sensor to confirm your selection.

The selected setting is applied, the  symbol lights up.

As soon as the  symbol goes out in the display after 3 seconds, Sabbath mode is switched on.

- Switch off Sabbath mode after the Sabbath has passed.

Switching off Sabbath mode



- Touch the settings sensor to leave the Sabbath mode.

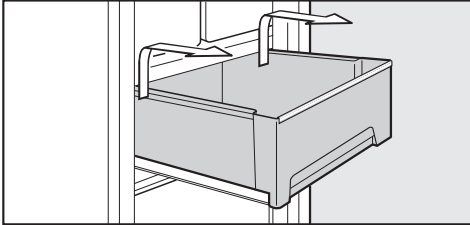
The temperature appears in the display and the interior lighting switches on.

Adjusting the interior fittings

Removing freezer drawers on telescopic runners

Some of the freezer drawers are on telescopic runners and can be removed for filling, emptying or cleaning purposes.

- Pull the drawer out as far as it will go.



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

Push the runners back in again to avoid injury or damage.

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

- To replace the drawer, push the runners back in completely and then place the drawer on them.
- Push the drawer into the appliance until it clicks into position.

Removing the shelves

The shelves can be removed.

- Lift the shelf slightly at the front and then pull it forwards and out.

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

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

Freezing and storing food

Home freezing

Only freeze fresh food which is in a 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, aroma and vitamin C, vegetables should be blanched after they have been trimmed and washed. To blanch: bring a large saucepan of water to the boil, immerse the vegetables in the fast boiling water for 2–3 minutes, depending on variety. 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.
- To prevent chops, steaks, cutlets or rolled meat from freezing together in solid blocks when packed, separate with a sheet of plastic freezer film.
- Do not season fresh foods or blanched vegetables before freezing. Only season cooked food lightly

before freezing, but care should be taken as the taste of some spices alters when frozen.

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

Packing

- Freeze food in portions.

Suitable packing material

- Plastic freezer film
- Freezer bags
- Aluminium foil
- Freezer containers

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.

Freezing and storing food

- 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 the food in the freezer (see "Using SuperFreeze"). This also helps to prevent food that is already in the freezer from starting to defrost.

Placing food in the freezer

The following maximum loading weights must not be exceeded:

- Top freezer drawer = 5 kg
- Freezer drawer = 25 kg
- 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

Place the food in the lower 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.

When placing food on the shelves, make sure that you do not block the ventilation slits in the back wall of the appliance. They are important for trouble-free operation of the appliance and normal energy consumption.

- Freezing the maximum amount (see data plate)

- Remove the freezer drawers.
- Place the food flat on the shelves 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 large items

If you wish to freeze large items such as a turkey or game, the shelves between the drawers can be removed. To do this:

- Remove the freezer drawers and carefully slide out the shelves.

Freezing and storing food

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 (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.

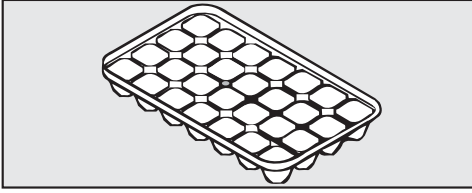
Thicker pieces of meat and fish (e.g. minced beef, chicken, fish fillet) should not come into contact with other food when defrosting. Collect the defrosting liquid and then pour it away, making sure you wash the container it was in, the sink and your hands.

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 lose its nutritional value and spoil if left for too long. Defrosted food may only be refrozen after it has been cooked.

Making ice cubes



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

Useful tip: The ice cubes can be easily loosened by holding the tray briefly under running water.

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.

Cool pack

The cool pack prevents the temperature in the freezer rising too quickly in the event of a power cut, thus extending the time for which food can be stored without power to the appliance.

- 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 cool pack directly on top of the frozen food in the front of the top drawer so that the food will be kept cold for as long as possible.

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.

Automatic defrosting

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.

Cleaning water must not get into the drain hole.

Do not use a steam cleaning appliance to clean this appliance. The steam could reach the electrical components and cause a short circuit.

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

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.

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

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

The following pages contain important information on cleaning.

Cleaning and care

Before cleaning

- Switch the appliance off.

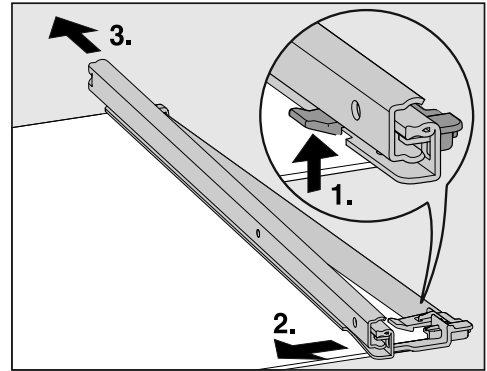
The display goes dark and the cooling is switched off.

If this is not the case, the safety lock is on (see "Further settings - Switching the safety lock on/off).

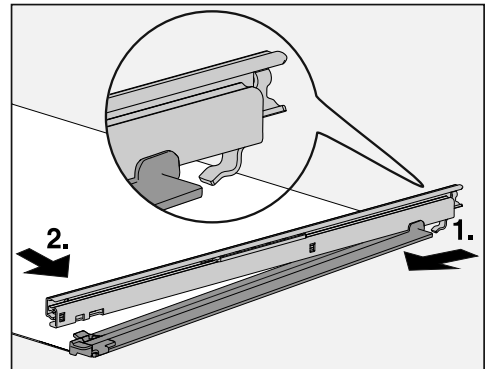
- Disconnect the appliance from the mains. Switch off at the wall and withdraw the plug from the socket, or switch off the mains circuit breaker.
- Take any food out of the appliance and store it in a cool place.
- Remove the shelves:
Lift them up at the front slightly and then pull them forwards and out.

The telescopic runners on the shelves are **not** dishwasher safe.

To remove the telescopic runners:



- Push the catch up (1).
- Push the telescopic runner to the side (2) and then backwards (3).



- After cleaning, reattach the telescopic runners to the shelf. To do this, hook the telescopic runner onto the shelf (1) and then click the catch into position (2).

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 lukewarm water and a little washing-up liquid applied with a soft sponge. After cleaning, wipe with a clean, damp cloth and then dry with a soft cloth.

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

- Freezer drawers
- Shelves
- Telescopic runners on the shelves
- Cool packs

Cleaning and care

The ice cube tray is **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.

- Wipe the telescopic runners with a well-wrung out damp cloth to clean them.

Be careful not to wash out the special lubricant in the telescopic runners during cleaning.

- Leave the door open to air the appliance for a short while.

Door seal

Do not use any oils or grease on the door seals as these 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.

Ventilation gaps

- The ventilation gaps should be cleaned on a regular basis with a brush or vacuum cleaner.
A build-up of dust will increase the energy consumption of the appliance.

After cleaning


- Slide all shelves back into the appliance.
- Close the appliance door.
- Reconnect to the mains and switch the appliance back on.
- Switch on the SuperFreeze function so that the freezer can cool down quickly.
- Once the freezer section has reached the required temperature, place the food back in the freezer drawers and replace them in the freezer section.
- When the temperature in the freezer is a constant $-18\text{ }^{\circ}\text{C}$ or colder, press the SuperFreeze sensor to switch the SuperFreeze function off.

Problem solving guide




With the aid of the following guide, minor problems can be easily corrected without contacting Miele.

If, after consulting this guide, you cannot remedy the problem, please contact Miele. Please note, however, that a call-out fee will be applied to unnecessary service visits where the problem could have been rectified as described in these operating instructions.

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

 Unauthorised installation, maintenance and repairs can cause considerable danger for the user.

Installation, maintenance and repairs must only be carried out by a Miele authorised technician.

Problem	Possible cause and remedy
The appliance is not getting cold, the interior lighting does not come on when the door is opened, and the display is not lit up.	The appliance is not switched on and the mains connection symbol  is lit up in the display. ■ Switch the appliance on.
	The plug is not correctly inserted into the socket. ■ Insert the plug correctly into the socket. The mains connection symbol  appears in the display when the appliance is switched off.
	Check whether the mains fuse has tripped. There could be a fault with the appliance, the household electrical wiring or another electrical appliance. ■ Contact a qualified electrician or Miele.
The appliance does not get cold, although the controls and the interior lighting are working.	Demo mode is switched on and the  symbol lights up in the display. This allows the appliance to be presented in Miele Centers and retail stores without switching on refrigeration. Do not activate this setting for domestic use! ■ Switch off Demo mode (see "Information for Miele Centers and Chartered Agents - Demo mode").





Problem solving guide

Problem	Possible cause and remedy
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 for longer periods.	<p>The ventilation gaps in the housing unit have been covered or become too dusty.</p> <ul style="list-style-type: none"> ■ Do not block the ventilation gaps. ■ Clean the ventilation gaps on a regular basis.
	<p>The doors have been opened too frequently, or a large amount of fresh food has been placed inside and/or frozen at the same time.</p> <ul style="list-style-type: none"> ■ Only open the door when necessary and for as short a time as possible. <p>After a while the temperature will return to normal by itself.</p>
	<p>The door is not properly closed. A thick layer of ice may have formed in the freezer.</p> <ul style="list-style-type: none"> ■ Close the door. <p>After a while the temperature will return to normal by itself.</p> <p>If a thick layer of ice has formed, it will decrease the cooling performance and increase the energy consumption.</p> <ul style="list-style-type: none"> ■ Defrost the appliance and clean it.
	<p>The room is too warm. The higher the room temperature, the longer the compressor has to run.</p> <ul style="list-style-type: none"> ■ See "Installation advice - Location".
	<p>The appliance was not properly installed in the niche.</p> <ul style="list-style-type: none"> ■ See "Installation - Building in the appliance".

Problem solving guide

Problem	Possible cause and remedy
<p>The compressor is switching on more frequently and for longer periods of time, so the temperature in the appliance is dropping.</p>	<p>The temperature setting is too low.</p> <ul style="list-style-type: none"> ■ Correct the temperature setting.
	<p>The door is not properly closed.</p> <ul style="list-style-type: none"> ■ Check whether the appliance door closes properly.
	<p>A large amount of food is being frozen at once.</p> <ul style="list-style-type: none"> ■ See "Freezing and storing food".
	<p>The SuperFreeze function is still switched on.</p> <ul style="list-style-type: none"> ■ You can switch off the SuperFreeze function earlier to save energy: Touch the SuperFreeze sensor.
<p>The compressor comes on less and less often and for shorter periods of time. The temperature in the appliance rises.</p>	<p>This is not a fault. The set temperature is too high.</p> <ul style="list-style-type: none"> ■ Correct the temperature setting. ■ Check the temperature again after 24 hours.
	<p>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.</p> <ul style="list-style-type: none"> ■ See "Installation advice - Location". ■ Raise the temperature of the room.
<p>An LED indicator light is flashing at the back of the appliance at the bottom near the compressor (depending on model).</p>	<p>This is not a fault. The electronic unit for the compressor is equipped with an operation and fault diagnosis LED indicator light which flashes every 15 seconds (depending on model).</p>

Messages in the display

Problem	Possible cause and remedy
"F0 to F9" appears in the display.	There is a fault. ■ Call Miele.
The alarm symbol  lights up in the display and an alarm sounds.	The door alarm has been activated. ■ Close the appliance door. The alarm symbol  will go out and the alarm will stop.
The alarm symbol  flashes in the display.	The temperature in the freezer has risen higher or fallen lower than the temperature which has been set. This could be due to, e.g.: <ul style="list-style-type: none">– the appliance door being opened too often, or being left open.– a large quantity of food was placed in the freezer section at once without switching on SuperFreeze.– the power was cut for a long time. ■ Remedy the alarm. The alarm symbol  will disappear and the audible tone will stop. Depending on the temperature, check whether the food has defrosted or started to defrost. If this is the case, cook the food before freezing again.

Problem solving guide

Messages in the display


Problem	Possible cause and remedy
<p>The mains connection symbol $\text{—}\text{C}$, appears and the alarm sounds. The temperature display will also show the warmest temperature recorded in the freezer during an interruption to the power supply or a power cut.</p>	<p>The temperature in the appliance in the previous days or hours has risen too high because of a power cut or interruption to the power supply. The appliance will go back to the last temperature setting when the power is back on.</p> <ul style="list-style-type: none">■ Touch the alarm off sensor. <p>The warmest temperature will be deleted. The display will then revert to showing the current temperature in the freezer.</p> <ul style="list-style-type: none">■ Depending on the temperature displayed, you should check the condition of food in the freezer. If it has defrosted or started to defrost, check that it is still safe to use and, if so, use it as soon as possible. Defrosted food may only be refrozen after it has been cooked.

The interior lighting is not working

Problem	Possible cause and remedy
The interior lighting is not working.	<p>The appliance has not been switched on.</p> <ul style="list-style-type: none">■ Press the On/Off sensor.
	<p>To avoid overheating, the lighting switches itself off automatically after approx. 15 minutes if the door is left open. If this is not the case, then there is a fault.</p>
	<p>Danger of injury and damage! The LED lighting may only be repaired or replaced by a Miele authorised service technician. There are live electrical components under the lighting cover.</p>
	<p>Do not remove the cover. If the cover is damaged or needs to be removed due to damage, exercise caution. There are lasers in the lighting (laser beam class 1M) which you should avoid looking at directly. Do not use optical instruments (magnifying glass or similar) to look at the lighting either.</p> <ul style="list-style-type: none">■ Call Miele.

Problem solving guide

Other problems

Problem	Possible cause and remedy
The door to the freezer section will not open because it has been opened and closed too many times in succession.	This is not a fault. The suction caused by opening and closing the door is preventing the door from opening. Wait a few minutes and then try again. It should now open without force.
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.
An alarm does not sound although the appliance door has been left open for some time.	This is not a fault. The alarm tone was switched off in settings mode (see "Further settings - Audible tones").
You cannot switch the appliance off.	The safety lock is switched on. The  symbol lights up. ■ Switch the safety lock off (see "Further settings - Switching the safety lock on/off").
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.

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 ...	On frost-free appliances you can sometimes just hear the sound of the fan inside the appliance.
Crack ...	A cracking sound can be heard when materials expand inside the appliance.

Remember that the noise of the compressor and the coolant circulating in the system is unavoidable.

Noises that you can easily rectify	Possible cause	Remedy
Rattling, vibrating	The appliance is uneven.	Realign the appliance by using a spirit level and raising or lowering the screw feet underneath the appliance.
	The appliance is touching another appliance or piece of furniture.	Move it away.
	Drawers or shelves are unstable or sticking.	Check all removable items and refit them correctly.
	Containers are touching each other.	Separate them.
	The transport cable clips are hanging loose at the back of the appliance.	Remove the clips.

After sales service and warranty

After sales service

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

- Ihren Miele Fachhändler oder
- den Miele Werkkundendienst.

See back of this booklet for contact details.

Please quote the model and serial number of your appliance when contacting Miele.

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

Warranty

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

For more information on the manufacturer's warranty specific to your country, please contact Miele.

See the end of this booklet for contact details.

Information for Miele Centers and Chartered Agents


Demo mode

The appliance can be demonstrated in the showroom or at exhibitions in "Demo mode". In this mode the control panel and interior lighting are active but the compressor remains switched off, so that the appliance does not cool down.


Switching on Demo mode




- Switch the appliance off using the On/Off sensor.
If this does not work, the safety lock is still activated.

The temperature display disappears and the mains connection symbol  lights up.







- Place your finger on the  sensor, and leave it there.



- At the same time, briefly touch the On/Off sensor (without letting go of the  sensor).




- Keep your finger on the  sensor until the  symbol appears in the display.
- Then take your finger off the  sensor.

Demo mode is switched on and the  symbol lights up in the display.


Information for Miele Centers and Chartered Agents

Switching off Demo mode


The  symbol is illuminated in the display.



- Touch the settings sensor.

All selectable symbols appear in the display and the  symbol flashes.



- Touch the sensors for setting the temperature (∇ or \wedge) repeatedly until the  symbol flashes in the display.



- Touch the OK sensor to confirm your selection.


7 flashes in the display (Demo mode is active) and the  symbol is illuminated.



- Touch the ∇ or \wedge sensor so that ∇ appears in the display (Demo mode is inactive).




- Touch the OK sensor to confirm your selection.

The selected setting is saved and the  symbol flashes.



- Touch the settings sensor to leave settings mode. Otherwise, the electronics will leave settings mode automatically after approx. one minute.

The Demo mode is switched off and the  symbol disappears.

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 (including switch, fuses and relays according to EN 60335).

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

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 advice

Side-by-side units:

FNS 35402 i and FNS 37402 i freezers have two foamed in side-wall heaters enabling them to be installed side-by-side with other appliances. Each appliance must be installed in its own niche.

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

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

Location

This appliance should be installed in a dry, well-ventilated room. It should not be installed where it is exposed to direct sunlight or directly adjacent to a heat-producing appliance such as an oven or a radiator. The room temperature should not go above or below the climate range for which the appliance is designed. The higher the ambient temperature of the room, the more energy the appliance requires to operate.

When installing the appliance, please note:

- The mains connection 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.

Important! In environments with high humidity condensation can build up on external appliance panels. This can lead to corrosion of the panels.

For prevention, it is advisable to install the appliance with sufficient ventilation in a dry and/or an air-conditioned room. Please ensure that the appliance door closes properly, the ventilation gaps are not covered over and the appliance is installed in accordance with these installation instructions.

Climate range

The appliance is designed for use within a certain climate range (ambient temperature) and should not be used outside this range.

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

The climate range is stated on the data plate inside the appliance.

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

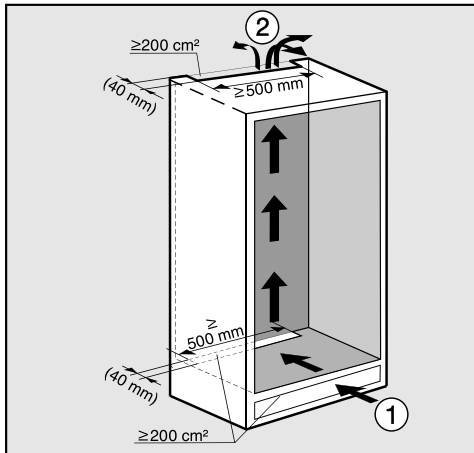
A freezer from the SN climate range can operate without any difficulties in rooms with a cooler ambient temperature (down to +5 °C).

Installation advice

Ventilation

The ventilation gaps given must be adhered to, otherwise the compressor will be activated more frequently and for longer periods. This will result in increased energy consumption and a higher operating temperature for the compressor. This may, in turn, cause the compressor to be damaged.

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



- Air intake ① occurs via the plinth at the bottom of the appliance and the air escapes at the top ② at the rear of the housing unit.
- A ventilation gap of at least 40 mm depth must be allowed for behind the appliance for air to circulate.
- The ventilation cross-sections in the plinth, housing unit and above the appliance must amount to a free

airflow of at least 200 cm² to ensure that air can circulate without hindrance.

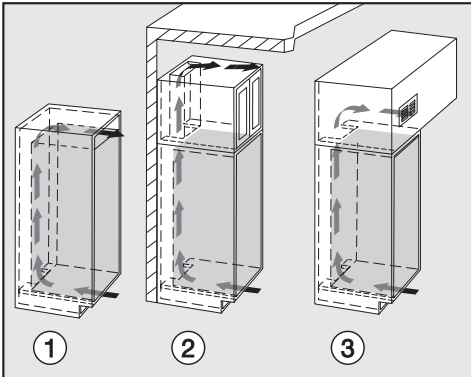
If ventilation grilles are to be inserted into the ventilation gaps, the ventilation gaps must be larger than 200 cm². The free airflow of 200 cm² results from the total of the ventilation cross-sections in the grille.

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

The air inlet and outlet must not be covered or blocked in any way. They should be dusted on a regular basis.

Top ventilation cross-section

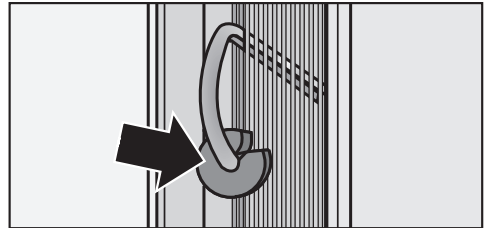
The top ventilation cross-section can be achieved in various ways:



- ① directly above the appliance with a ventilation grille (free airflow of at least 200 cm²).
- ② Between furniture units and the ceiling.
- ③ In an intermediate ceiling.

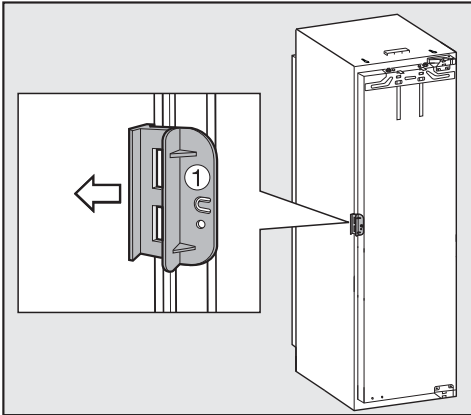
Before installing the appliance

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



- The spacers (depending on model). These ensure the gap required between the back of the appliance and the wall is maintained.
 - The bags (depending on model) located inside the metal grille (heat exchanger). These are important for the correct functioning of the appliance. Their contents are non-toxic and are not dangerous.
- Remove any cable clips from the back of the appliance.
 - Check that all parts at the back of the appliance are unhindered. Carefully remove any hindrance.

Installation advice

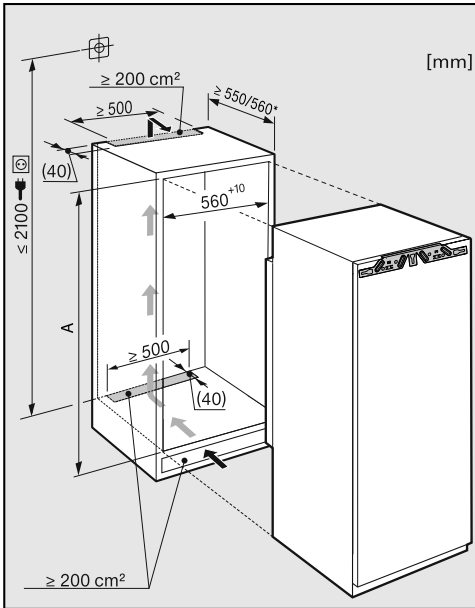


- Open the appliance door and remove the red transport clips ① (depending on model).

Does your old appliance have a different hinging mechanism?

If your old appliance had a different type of hinging, the furniture door can still be used. Remove the old hinges from the housing unit. They are no longer required because the furniture door will now be fitted to the appliance door. All the necessary parts are supplied or can be ordered from Miele.

Building-in dimensions



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

Before installation, ensure the building-in niche matches the required dimensions. The required ventilation cross-sections must be adhered to in order to ensure the correct functioning of the appliance.

	Niche height [mm] A
FN 35402 i	1397 – 1413
FN 37402 i	1772 – 1788
FNS 35402 i	1397 – 1413
FNS 37402 i	1772 – 1788

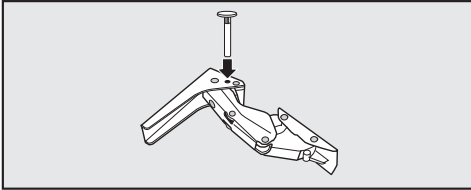
Limiting the opening angle of the door

The door hinges are set at the factory to enable the door to be opened wide.

If the opening angle of the door needs to be limited for any reason, the hinge can be adjusted to accommodate this.

However, if the appliance door hits an adjacent wall when opened, for example, the opening angle can be limited to 90°.

The locking pins for limiting the door opening must be fitted before the appliance is installed.



- Place the locking pins supplied for limiting the door opening into the hinges from above.

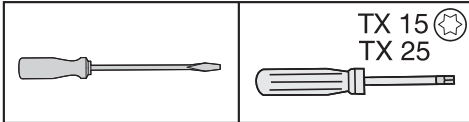
The door opening angle is now limited to 90°.

Changing the door hinging

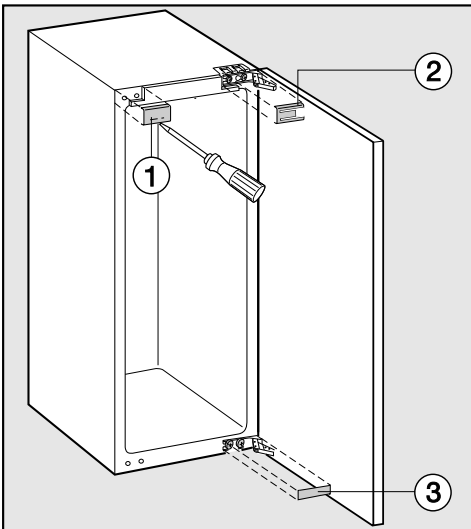
Two people are needed for changing the door hinging.

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

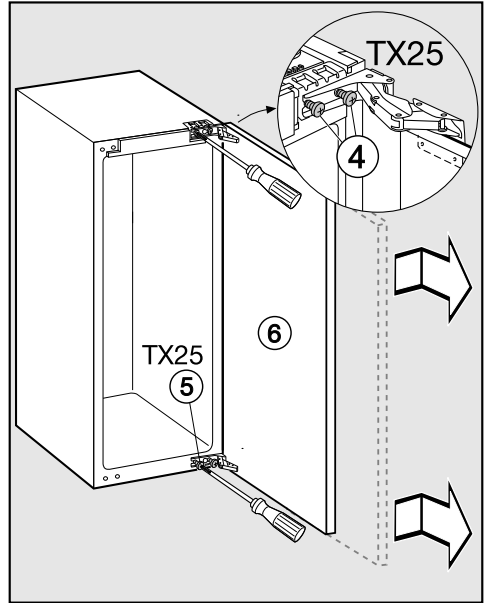
To change the door hinging, you will need the following tools:



- Open the appliance door.

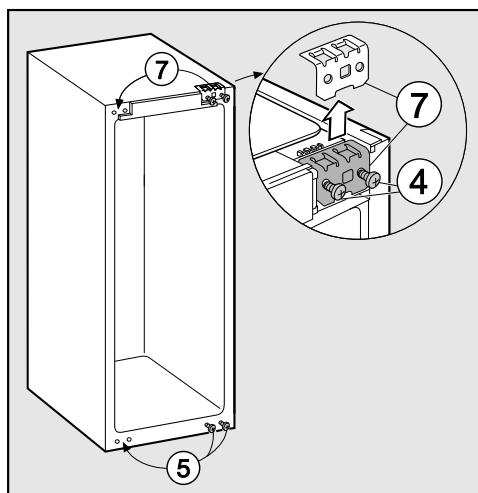


- Lift off covers ①, ② and ③.

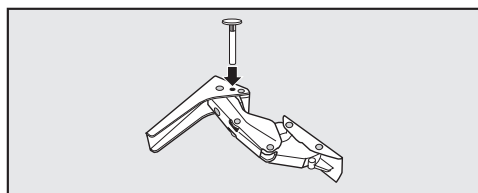


- Slightly loosen the screws ④ and ⑤ on the hinges.
- Push the door ⑥ outwards, take it off its hinges and place it to one side.

Changing the door hinging



- Unscrew the screws ④ completely.
- Place the fixing element ⑦ on the opposite side and loosely screw in the screws ④.
- Unscrew the screws ⑤ completely and loosely screw them in on the opposite side.

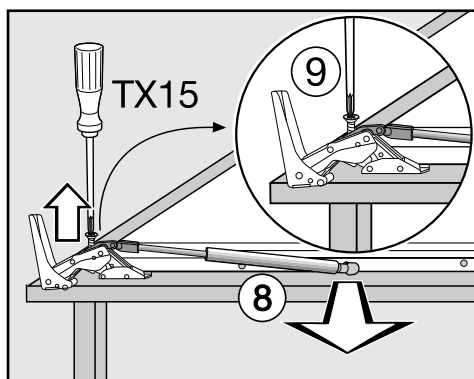


- If you have put locking pins into the hinges to stop the door opening too far: remove the locking pins from the top of the hinges.

Removing the soft-close mechanism

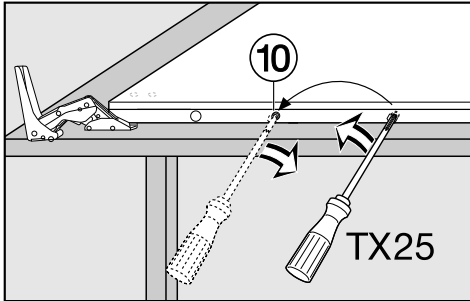
Warning! The soft-close mechanism snaps shut when dismantled.
Danger of injury!

- Place the door with the outer side downwards on a stable surface.



- Remove the soft-close mechanism ⑧ from the ball joint.
- Unscrew the mounting ⑨ and remove the soft-close mechanism ⑧.

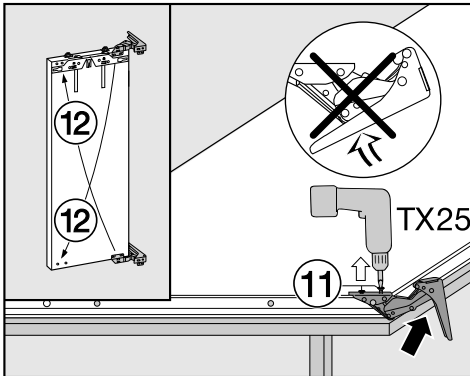
Changing the door hinging



- Unscrew the ball joint ⑩ and screw it into the adjacent hole.
- Now turn over the appliance door so that the outer side faces upwards (hinges remain open).

Danger of injury!

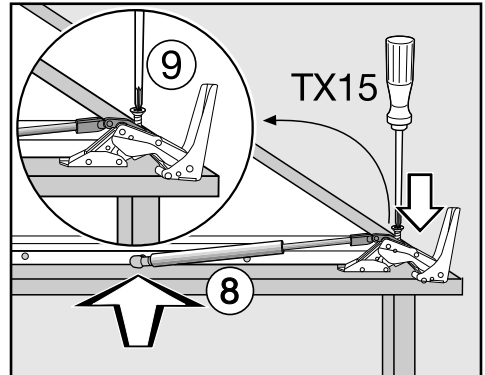
Do not close the hinges.



- Undo the screws ⑪.
- Place each hinge ⑫ on the diagonally opposite side ⑫

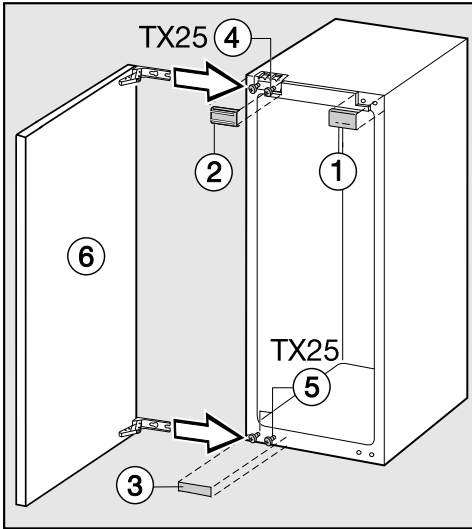
Securing the soft-close mechanism

- Now turn over the appliance door so that the outer side faces downwards.

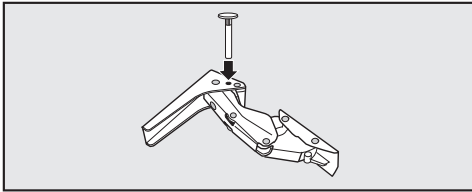


- Screw the mounting ⑨ onto the hinge and tighten securely.
- Open out the soft-close mechanism ⑧ and hook it onto the ball joint.

Changing the door hinging



- Hang the appliance door ⑥ onto the pre-fitted screws ④ and ⑤, and securely tighten the screws ④ and ⑤.
- Replace covers ①, ② and ③.

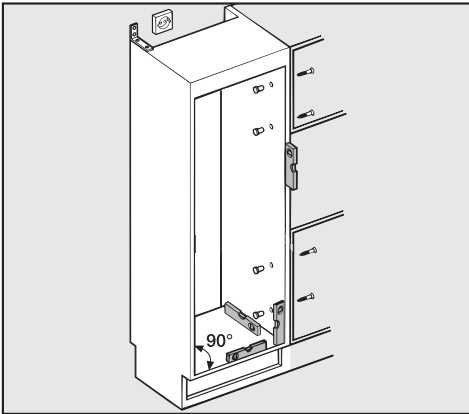


- Refit the locking pins in the top of the hinges to prevent the doors opening too far.

Installing the appliance

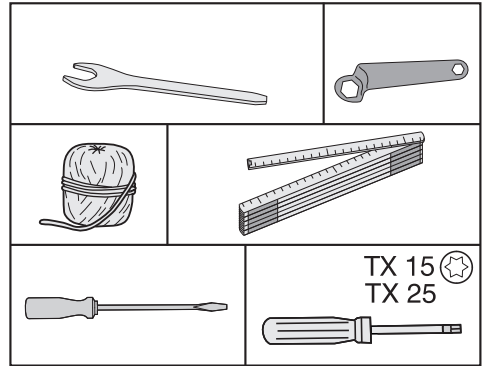
Two people are required for installing the appliance.

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



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

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

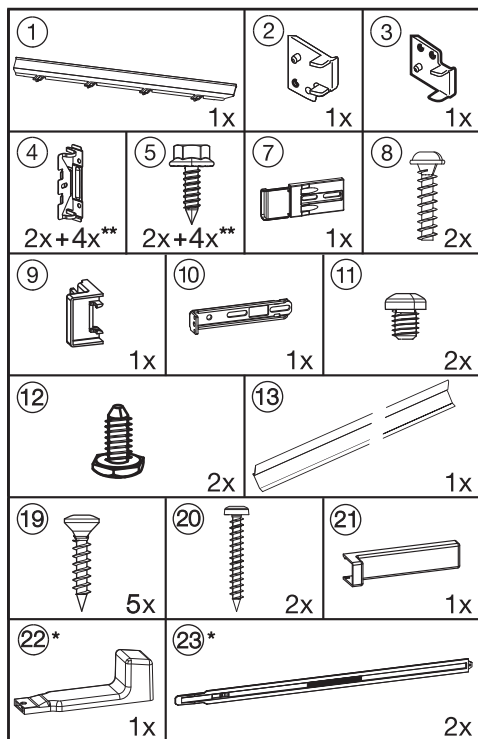


Installing the appliance

You will require the following installation components

All installation components are designated by numbers. Each component's number can also be found in the installation steps on the following pages.

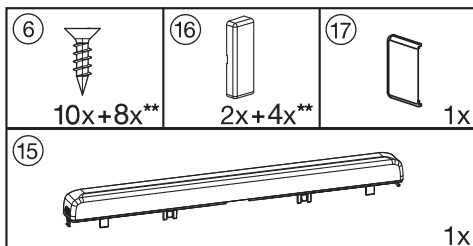
– required for installing the appliance in its housing unit:



* These parts are only supplied with appliances with a niche height of 140 cm or more.

** Number depending on niche height. Also contains additional installation parts for fitting large or divided furniture doors.

– for mounting the appliance doors:



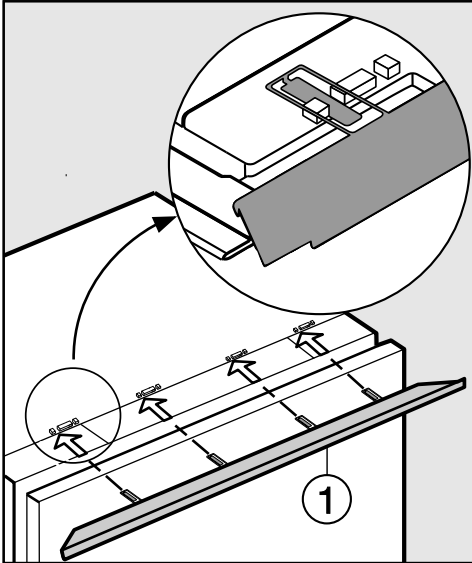
** Number depending on niche height. Also contains additional installation parts for fitting large or divided furniture doors.

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

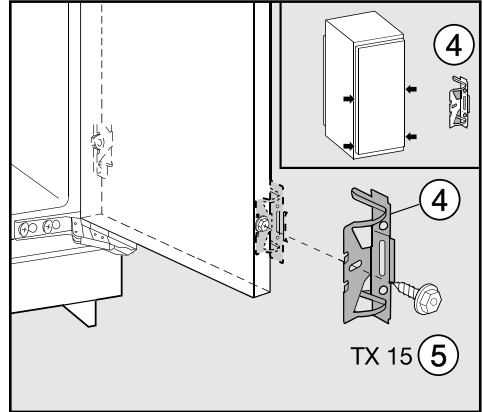
Installing the appliance

Preparing the appliance

- Position the appliance in front of the housing unit.



- Slide the cover strip ① into the holders as shown.



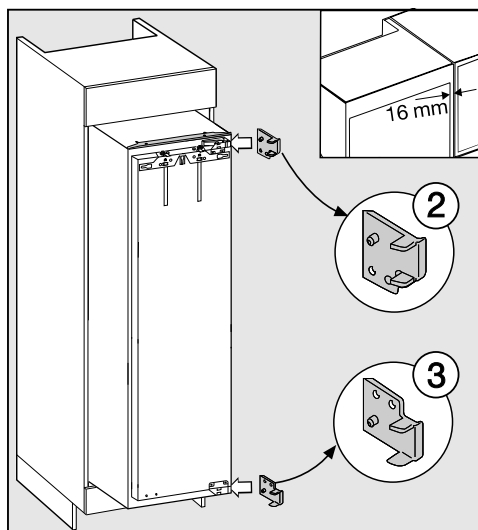
- Screw the fixing bracket ④ using the hexagonal screw ⑤ to the pre-drilled holes in the appliance door. Using the pre-drilled holes in the appliance door, secure a second pair of fixing brackets ④ in the handle area of the door.
- Push the appliance two-thirds of the way into its niche. When doing this, make sure that the mains cable does not get trapped.

Useful tip: To help you push it into position, tie a piece of string around the plug to "increase" the length of the connection cable.

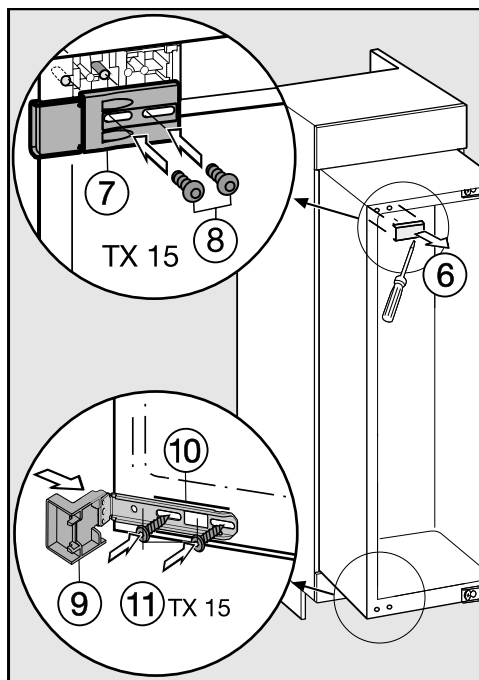
Then pull the cable by the end of the string through the housing unit. It will then be easier to connect once the appliance is in the unit.

Installing the appliance

With 16 mm thick unit walls:

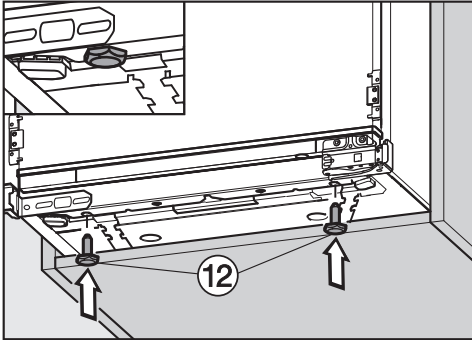


- Clip the spacers ② and ③ on the right-hand side of the hinges.
- Open the appliance door.

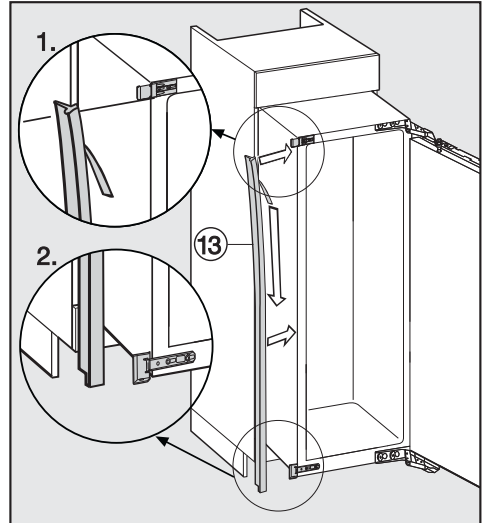


- Remove the cover ⑥.
- Secure the part ⑦ using screws ⑧ loosely into the top left-hand side of the appliance. Do not tighten the screws so that you can adjust the position of this part.
- Fit the cover ⑨ onto the fixing bracket ⑩
- Then screw the fixing bracket ⑩ using screws ⑪ loosely into the bottom of the appliance. Do not tighten the screws so that you can adjust the position of this part.

Installing the appliance



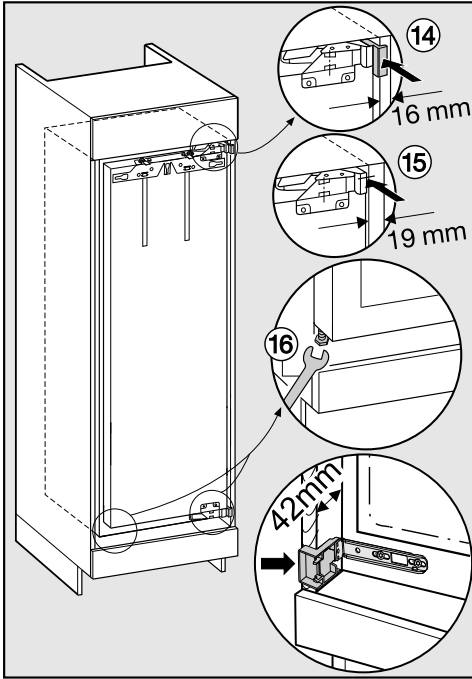
- Now screw the adjustable feet ⑫ all the way in.



- Carefully remove the protective foil from the sealing strip ⑬.
 - Fix the sealing strip ⑬ flush with the front of the appliance on the door opening side.
1. Position the sealing strip flush with the lower edge of the top fixing.
 2. Stick it down along its entire length.

Installing the appliance

Installing the appliance



■ Push the appliance into the niche until the covers of the fixing brackets touch the front edge of the side walls of the housing unit.

- ⑭ **With 16 mm thick walls:**
The spacers should touch the front edge of the top and bottom of the side walls of the housing unit.
- ⑮ **With 19 mm thick furniture walls:**
The front edges of the hinges are flush with the front edge of the housing unit.

■ Make sure that the covers of the top and bottom fixing brackets lie flush with the front edges of the housing unit side walls.

This will create a gap all round of **42 mm** to the front edges of the housing unit side walls.

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

■ Pull the appliance forwards by the appropriate dimension.

The hinges and covers will now protrude by the dimension of the door fitting.

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

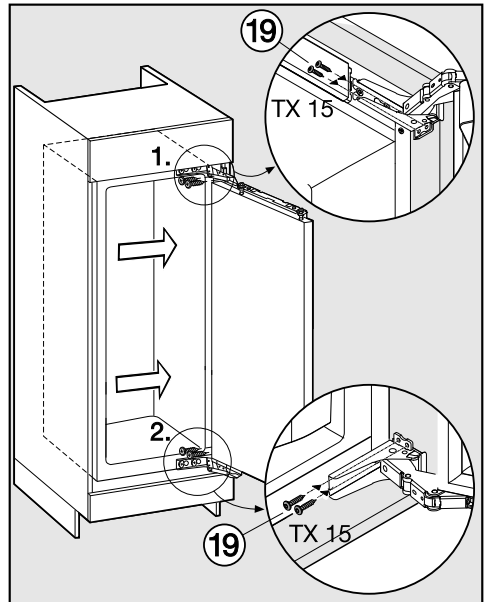
■ ⑯ Align the appliance on both sides by altering the adjustable feet using the spanner supplied.

Installing the appliance

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

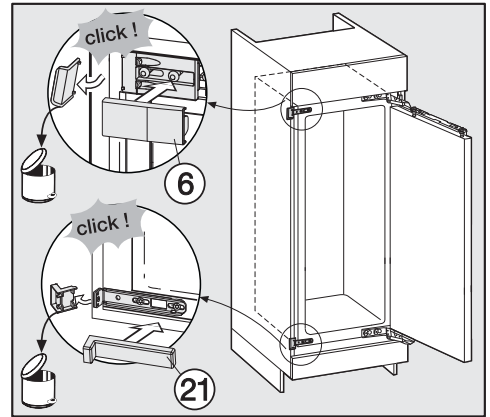
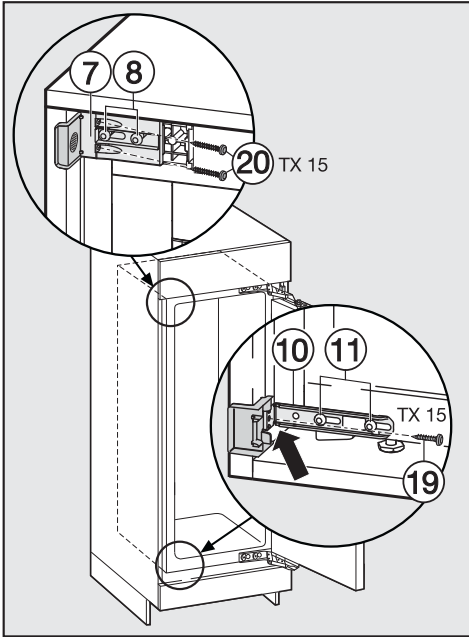
This can cause ice to build up, condensate to accumulate and lead to faults in the appliance. These can all lead to increased energy consumption.

Securing the appliance in the niche



- Press the appliance against the side of the housing unit on the hinge side.
- Screw chipboard screws ①9 through the hinge plates at the top and bottom and then the middle to secure the appliance to the housing unit.

Installing the appliance

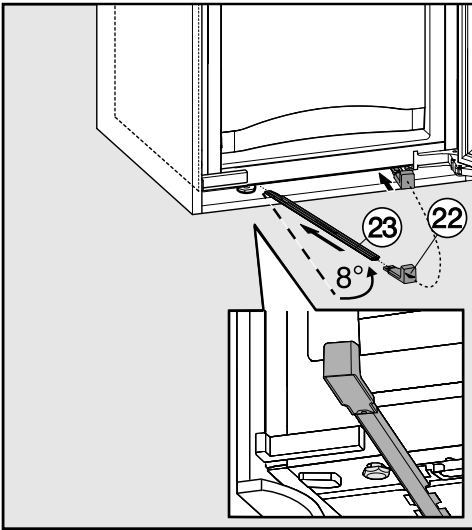


- Push the loose-fitting fixing bracket against the side wall.
- Screw the fixing bracket (10) to the housing unit side wall with the screw (19). Pre-drill the hole in the housing unit if necessary.
- Secure the fixing bracket (7) to the housing unit side walls using the screws (20). Drill holes in the housing unit side walls if necessary.
Important: Push the protruding bracket using your thumb towards the housing unit wall whilst tightening the screws. The appliance must not pull back into the unit.
- Then tighten the screws (8) and (11).

- Break off the ends of the brackets and dispose of them. They are no longer needed.
- Attach the respective covers (6) and (21) to the fixing brackets.

Only for an appliance with a niche height greater than 140 cm

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



- First secure the handle (22) to one of the rods (23).
- Use the handle to push the rod into the guide as far as it will go. Remove the handle and fit it to the other rod and push this into its guide as far as it will go.
Important: Keep the handle somewhere safe in case you ever need to fit the appliance into a new housing unit.
- Close the appliance door.

Fitting a furniture door

The furniture door must be a minimum of 16 mm thick and a maximum of 19 mm thick.

The following dimensions for gaps must be adhered to:

- The gap between the furniture door and the kitchen unit door above must be at least 3 mm.
- The vertical gap between the furniture doors should generally be 3 mm. The exact value is dependent upon the radius of the edge of the furniture door.

If the appliance is being built into a run of units, the height of the furniture door should be aligned with adjacent kitchen units.

The furniture door must be mounted plane and free of tension.

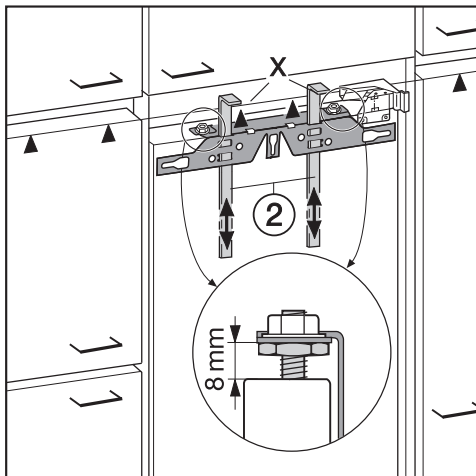
Installing the appliance

Fitting a door which is heavier than the maximum permitted could damage the hinges, which could in turn affect the functioning of the appliance.

Before fitting a furniture door, ensure that the weight of the door does not exceed the maximum permitted:

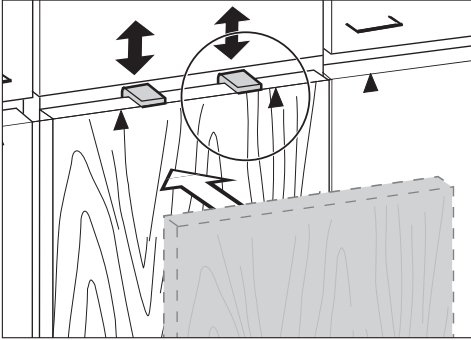
Appliance	Maximum weight of furniture door in kg
FN 35402 i	21
FN 37402 i	26
FNS 35402 i	21
FNS 37402 i	26

To fit large or segmented furniture doors, a mounting kit or another pair of fixing brackets can be ordered from Miele.

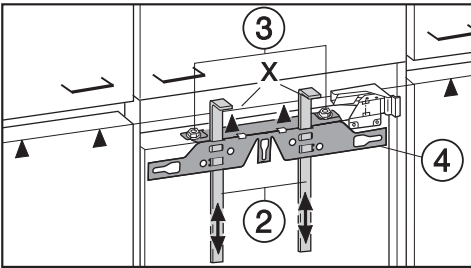


- A gap of 8 mm is set ex-works between the appliance door and the fixing bracket. Double check this gap and reset it if necessary.
- Push the fitting aids ② up to the height of the furniture door: the lower edge X of the fitting aids must be at the same height as the upper edge of the furniture door being fitted (see ▲ in diagram).

Installing the appliance

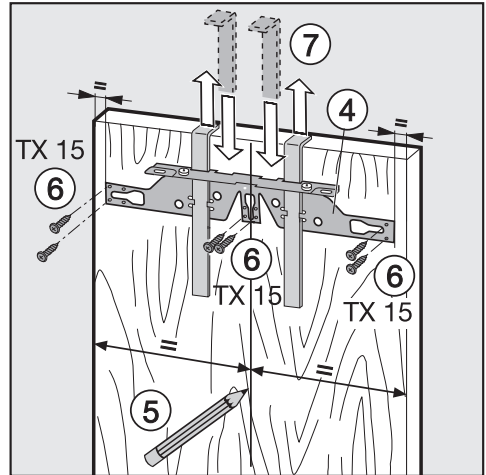


Useful tip: Push up the fitting aids ② with the furniture front until they are the same height as the doors of adjacent kitchen units.



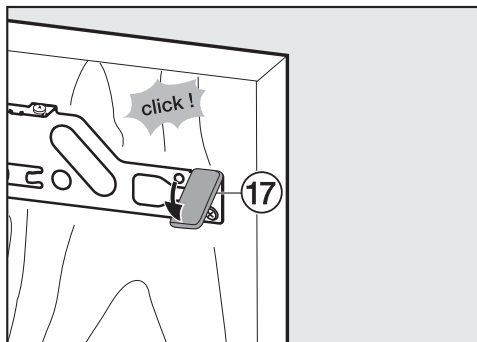
- Undo the nuts ③ and take the fixing bracket ④ off together with the fitting aids ②.

- Place the furniture door with the outer side downwards on a stable surface.

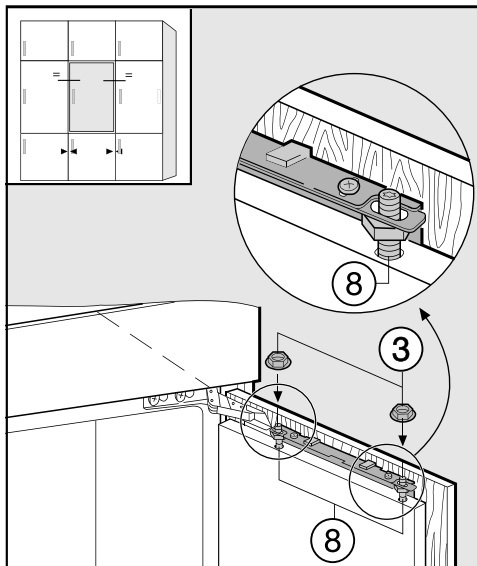


- Using a pencil, lightly mark a line down the centre of the inside of the furniture door ⑤.
- Hang the fixing bracket ④ with the fitting aids onto the **inside** of the furniture door. Align the fixing bracket centrally.
- Secure the fixing bracket with 6 short chipboard screws ⑥ (on cassette doors, only use 4 screws on either side of the bracket). Pre-drill the holes if necessary.
- Pull the fitting aids ⑦ upwards to remove them. Turn them around and fit them into the middle slots on the fixing bracket for safe keeping.

Installing the appliance

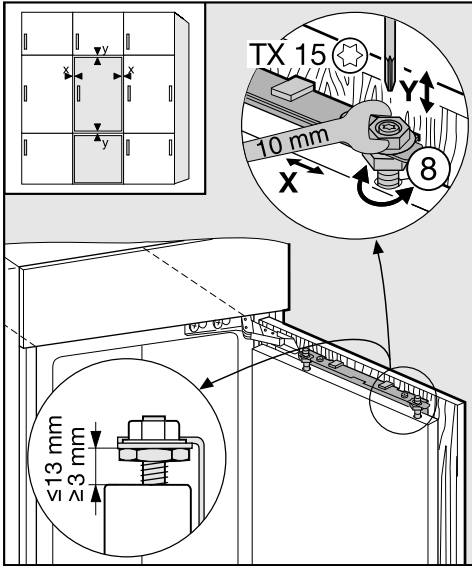


- Fit the side cover ⑰ to the fixing bracket on the opposite side of the hinge.
- Turn the furniture door over and attach the handle (if needed).
- Open the appliance door.



- Hang the furniture door ⑧ onto the adjusting bolts ⑧.
- Loosely attach the nuts ③ on the adjusting bolts.
- Close the door and check the distance between the door and neighbouring furniture doors. The distance should be the same.

Adjusting the position of the door



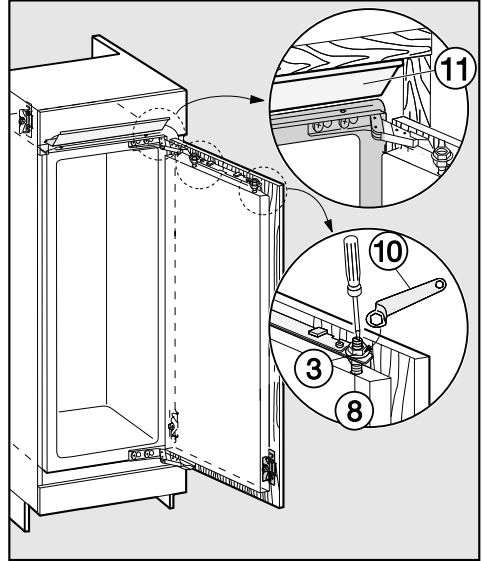
Adjustment to the sides (X)

- Move the furniture door.

Height adjustment (Y)

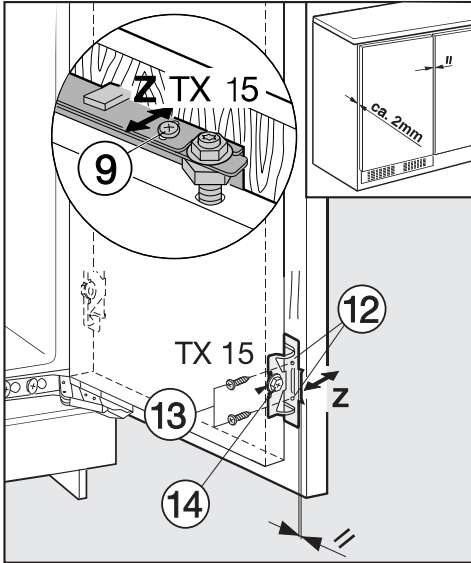
- Use a screwdriver to adjust bolts (8).

The distance between the appliance door and the fixing bracket is set to 8 mm at the factory. Adjust this distance only within the dimensions given in the diagram.



- Whilst counterholding adjusting bolts (8) with a screwdriver, tighten nuts (3) on the appliance door with the ring spanner (10).
- The cover strip (11) must be completely hidden in the niche, and must not protrude.

Installing the appliance

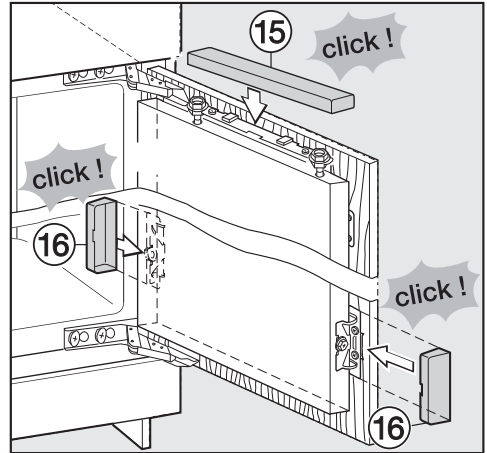


- Drill fixing holes ⑫ in the furniture door and screw in the screws ⑬. Make sure the two metal edges are aligned (Symbol //).
- Close the appliance door and the furniture door.

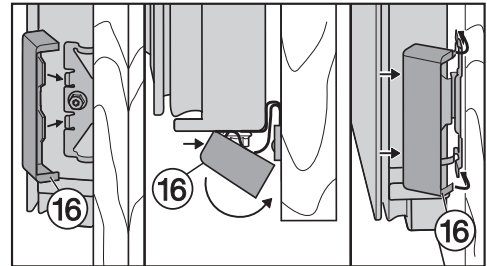
Adjusting the depth (Z)

- Loosen the screws ⑨ at the top of the appliance door and the screw ⑭ on the lower fixing bracket. Move the furniture door to create a gap of 2 mm between the furniture door and the housing unit.

- Tighten all screws again.



- Fit the top cover ⑮, and click it into place.



- Fit the side covers ⑯, making sure they click into place.

To make sure the appliance is correctly fitted:

- The door must close properly.
- The door must not touch the housing unit.
- The seal at the top edge of the handle side must fit properly.
- To double check, place a torch in the appliance and close the door. Switch the lights off in the room. If you can see any light shining out from the sides, double check the installation.

Miele Australia Pty. Ltd.

ACN 005 635 398
ABN 96 005 635 398

Miele Center and Head Office Melbourne:

1 Gilbert Park Drive
Knoxfield, VIC 3180

Miele Center and Office Melbourne:

206-210 Coventry Street
South Melbourne, VIC 3205

Miele Center and Office Sydney:

3 Skyline Place
Frenchs Forest, NSW 2086

Miele Center and Office Brisbane:

39 Harvey Street North
Eagle Farm, QLD 4009

Miele Center and Office Adelaide:

83-85 Sir Donald Bradman Drive
Hilton, SA 5033

Miele Center and Office Perth:

205-207 Stirling Highway
Claremont, WA 6010



www.miele.com.au



Miele New Zealand Limited

IRD 98 463 631

Head Office:

Level 2, 10 College Hill
Freemans Bay, Auckland 1011

Miele Center Auckland:

8 College Hill
Freemans Bay, Auckland 1011

Telephone:

0800 4 MIELE (0800 464 353)

www.miele.co.nz

Miele Global Headquarters

Germany

Miele & Cie. KG

Carl-Miele-Straße 29
33332 Gütersloh
Federal Republic of Germany

FN 35402 i, FN 37402 i, FNS 35402 i, FNS 37402 i



en – AU, NZ

M.-Nr. 10 198 630 / 00