

Operating and installation instructions



Frost free freezer

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

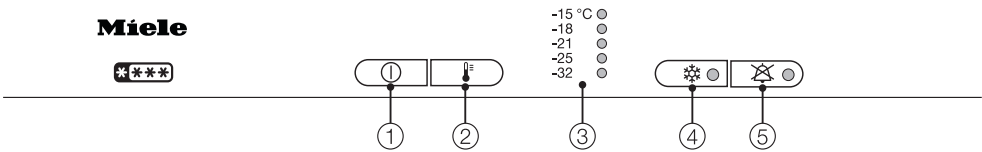
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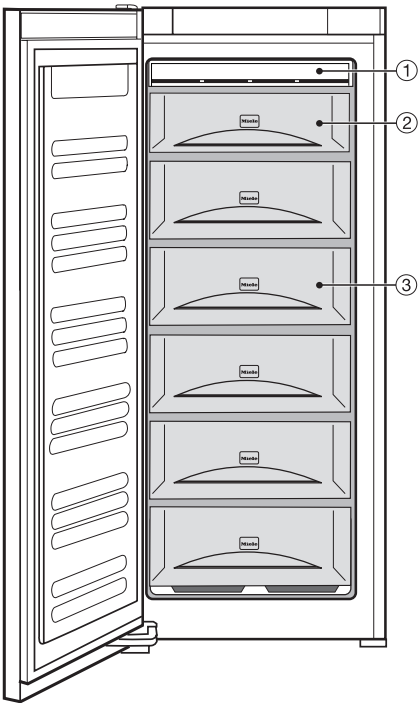
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Guide to the appliance



- ① On/Off button
- ② Temperature selector button
- ③ Temperature display
- ④ SuperFreeze button and indicator light
- ⑤ Alarm off button and indicator light



- ① Frost free system
- ② Shallow freezer drawer
- ③ Freezer drawers

Disposal of the packing material

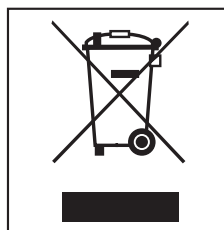
The transport and protective packing has been selected from materials which are environmentally friendly for disposal and can normally be recycled.

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.

Rather than just throwing these materials away, please ensure they are offered for recycling.

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. Please do not therefore dispose of it with your household waste.



Please dispose of it at your local community waste collection / recycling centre and ensure that it presents no danger to children while being stored for disposal.

The plug must be rendered useless and the cable cut off directly behind the appliance or the machine to prevent misuse. Take care not to damage the pipework at the back of it before or during transportation to an authorised collection depot.

In this way, refrigerant in the pipework and oil in the compressor will be contained, and will not leak out into the environment.

Warning and Safety instructions

This appliance complies with all relevant local and national safety requirements. Improper use can, however, present a risk of both personal injury and material damage.

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

Keep these instructions in a safe place and pass them on to any future user.

Correct application

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

This appliance is not suitable for outdoor use.

Any other usage is not supported by the manufacturer and could be dangerous. The manufacturer cannot be held liable for damage resulting from incorrect or improper use or operation.

► 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 are supervised whilst using it, or have been shown how to use it by a person responsible for their safety.

Safety with children

► 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.

► Children should be supervised to ensure that they do not play with the appliance. Keep children away from the appliance at all times to avoid the risk of injury, e.g. as a result of hanging from the door.

Technical safety

► Before setting up the appliance, check it for any externally visible damage. Do not install and use a damaged appliance.
A damaged appliance is dangerous.

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

► 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, but does not have any adverse effect on the performance of the appliance. Care must be taken during the transportation and installation of the appliance that no parts of the cooling system are damaged. Leaking coolant can damage the eyes.

In the event of any damage:

- avoid open flames and anything which creates a spark,
- disconnect from the mains,
- air the room in which the appliance is located for several minutes and
- contact Miele for advice.

► 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.

► Safe operation of the appliance is only assured if it has been installed and connected in accordance with these operating and installation instructions.

► Before connecting the appliance, make sure that the connection data on the data plate (voltage and rated load) match the mains electricity supply. This data must correspond in order to avoid the risk of damage to the appliance. Consult a qualified electrician if in any doubt.

► 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).

Warning and Safety instructions

► The electrical safety of this appliance can only be guaranteed when continuity is complete between it and an effective earthing system which complies with current local and national safety regulations. It is most important that this basic safety requirement is present and tested regularly, and where there is any doubt, the household wiring system should be inspected by a qualified electrician. The manufacturer cannot be held liable for damage or injury caused by the lack of or inadequacy of an effective earthing system (e.g. electric shock).

► Installation, maintenance and repairs may only be carried out by a suitably qualified and competent person in strict accordance with current national and local safety regulations. Repairs and other work by unqualified persons could be dangerous. The manufacturer cannot be held liable for unauthorised work.

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

► This appliance must not be installed and operated in mobile installations (e.g. on a ship).

► The appliance must be isolated from the electricity supply during installation, maintenance and repair work. The appliance is only completely isolated from the electricity supply when:

- it has been switched off at the socket and the plug has been withdrawn, or
- the fuse from the fused spur connection unit has been withdrawn, or
- the mains fuse has been disconnected, or
- the screw-out fuse has been removed (in countries where this is applicable).

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

► In areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the appliance and its surroundings in a clean condition at all times. Any damage which may be caused by cockroaches or other vermin will not be covered by the warranty.

Warning and Safety instructions

Correct use

► Never handle frozen food with wet hands. Your hands may freeze to the frozen food. Danger of frost burn.

► Do not take ice cubes out with your bare hands and never place ice cubes or ice lollies in your mouth straight from the freezer.

The very low temperature of the frozen ice or lollies can cause frost burn to the lips and tongue.

► Do not refreeze 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.

► Observe the "use by" dates given on food to avoid the risk of food poisoning. Storage times will depend on several factors, including the freshness and quality of the food as well as the temperature at which it is stored. Follow the instructions given on food manufacturers' packaging on storage conditions required, as well as the "use by" date.

► Do not store explosive materials in the appliance or any products containing propellants (e.g. spray cans). Thermostats switching on may produce sparks which could present a fire hazard. Flammable compounds could explode.

► 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, resulting in injury or damage.

► Do not use sharp edged objects to

- remove frost and ice,
- separate frozen foods or remove ice trays.

They will damage the evaporator, causing irreversible damage to the appliance.

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

► Do not block the ventilation gaps in the appliance as this would impair the efficiency of the appliance, increase the electricity consumption and could cause damage to the appliance.

Warning and Safety instructions

► The appliance is designed for use within certain climate ranges (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, can lead to the appliance switching off for longer periods so that it cannot maintain the required temperature.

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

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

► Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

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

The following applies to stainless steel appliances:

► Do not place sticky notes, adhesive tape, masking tape or any other adhesive agent on the treated surface of the door.

The coating will become damaged and lose its protective properties against soiling.

► The high quality treated surface of the door is susceptible to scratching. Even fridge magnets can cause scratching.

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.

► Be careful not to damage any part of the pipework whilst awaiting disposal, e.g. by

- puncturing the refrigerant channels in the evaporator.
- bending any pipework.
- scratching the surface coating.

Splashes of refrigerant can damage the eyes.

The manufacturer cannot be held liable for damage caused by non-compliance with these Warning and Safety instructions.

How to save energy

	Normal energy consumption	Increased energy consumption
Installation	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 ambient room temperature.
	Do not cover the cross-section of the air inlet and outlet and keep free of dust.	
Temperature setting with a thermostat which is approximate (set in stages).	With a medium setting of 2 to 3.	With a high setting: the lower the temperature in the compartment, the higher the energy consumption.
Temperature setting with a thermostat which is exact to the degree (digital display).	Storage section 8 to 12 °C	On appliances with winter setting, please make sure that the winter setting is switched off when the ambient temperature is warmer than 16 °C.
	Refrigerator section 4 to 5 °C	
	PerfectFresh zone just above 0 °C	
	Freezer section -18 °C	
	Wine storage section 10 to 12 °C	
Use	Do not change the arrangement of the drawers and shelves.	
	Only open the doors when necessary and for as short a time as possible.	Frequent opening of the doors for long periods will cause a loss of coldness.
	Store food in an organised way.	If food is not stored in an organised way, searching for an item will mean the door is open for longer.
	Allow hot food and drinks to cool down before placing them in the appliance.	Placing hot food in the appliance will cause the compressor to run for a long time, as the appliance will have to work harder to lower the temperature.
	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.	
Defrosting (not applicable for Frost Free models with Automatic Defrost)	Defrost the freezer compartment when a layer of ice 0.5 cm thick has built up.	A layer of ice hinders the cold from reaching the frozen food, and causes an increase in energy consumption.

Switching on and off

Before using for the first time

Protective foil

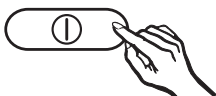
On stainless steel appliances, the stainless steel door and possibly the sides are covered in a protective foil.

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

Cleaning

- Clean the inside of the appliance and the accessories with lukewarm water and then dry with a soft cloth.

Switching on



- Press the On/Off button.

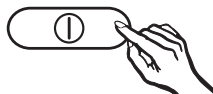
The temperature display and the alarm indicator light will flash until the freezer has cooled down to the correct temperature for freezing.

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.

Cool pack

Place the cool pack in the top drawer or, to save space, in the shallow freezer drawer. The cool pack will be at its most effective after it has been in the freezer for approx. 24 hours.

Switching off



- Press the On/Off button until the temperature display goes out.

All the displays will go out and the cooling system will switch off.

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 out and
- leave the door ajar to air the appliance.

If, during a long absence, the appliance is switched off but not cleaned out and the door is 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.

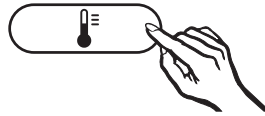
To freeze fresh food and to store frozen food for a long time, a temperature of **-18 °C** is required. At this temperature the growth of micro-organisms is generally halted. As soon as the temperature rises above -10 °C, the micro-organisms become active in the food again so that it cannot be kept as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

The temperature in the appliance will rise:

- the more often the door is opened and the longer it is kept open,
- if too much food is stored in it at once,
- if too much fresh food is being frozen at once,
- the higher the ambient temperature surrounding the appliance.

The appliance is designed for use in specific ambient temperatures (climate ranges). Do not use in ambient temperatures for which it is not designed.

Setting the temperature



- Press the temperature button repeatedly until the indicator light for the temperature you want lights up in the display.

The temperature value will change up until the setting for -32 °C is reached. It will then drop back to the -15 °C setting.

The temperature can be set slightly colder within the displayed temperature range (e.g. between -15°C and -18 °C).

- Press the temperature button repeatedly until the indicator light for -15 °C lights up in the display.
- Press the button for approx. another 5 seconds to set the temperature.

The colder temperature setting within the small temperature range is now set. However, this is not visible in the temperature display.

The correct temperature

Temperature display

The temperature display on the control panel always shows the **required** temperature.

The temperature can be adjusted from:
-15 °C to -32 °C

The **temperature display will flash** if

- the temperature in the appliance is not within the possible temperature range,
- a different temperature is being set,
- the temperature in the appliance has risen by several degrees, indicating that the appliance is warming up too much.

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

- when the door has been left open for a while, e.g. for removing or storing a large amount of food,
- when fresh food is being frozen.

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 started thawing, check that the food is safe to use and if it is, use it as quickly as possible.

Your appliance has been fitted with a warning system which ensures that the temperature in the freezer cannot rise unnoticed. An alarm will sound, and the temperature display and the alarm indicator light will flash if the temperature becomes too warm. The temperature the appliance is set at determines the temperature the appliance recognises as being too warm.

For example, the alarm may sound and the alarm indicator light may flash,

- if you freeze a large amount of food at once without having switched on the SuperFreeze function beforehand.

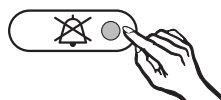
Depending on the temperature in the freezer, you should check the condition of the food. If food has defrosted or started to defrost, check that it is still safe to use, and if so, use it as quickly as possible. Defrosted food may only be re-frozen after it has been cooked.

Activating the alarm system

The alarm system is always active. It does not have to be switched on manually.

Switching the alarm off early

The alarm will stop and the indicator light will go out when the temperature reaches the correct level again. However, if the noise disturbs you, you can switch the alarm off before this if you wish.



- Press the alarm off button.

The alarm will stop.
The indicator light will stay on until the correct temperature has been reached. The alarm system is then ready should it be needed again.

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.

SuperFreeze is not necessary:

- 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**.



- Press the SuperFreeze button. The SuperFreeze indicator light will come on.

The appliance works at full power to lower the temperature in the appliance.

Switching off SuperFreeze

The SuperFreeze function will switch off automatically after approx. 65 hours. The indicator light 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. You should also check the temperature inside the appliance from time to time.

- Press the SuperFreeze button. The SuperFreeze indicator light will go out, and the appliance will continue to operate at normal power.

Maximum freezing capacity

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

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

Freezing fresh food

Fresh food should be frozen as quickly as possible so that 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.

This means that a greater moisture loss in food occurs. This can be seen in the water that collects around the food when defrosting.

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.

Using the isolator plate

(depending on model)

In order to save energy, the appliance has an isolator plate which enables freezer drawers that aren't being used to be "switched off". Use the isolator plate if you are storing only a small amount of food.

Important!

- You need to have at least three freezer drawers in place, plus the freezer tray, in order to operate the freezer.

If you wish, you can "switch off" (isolate) the other drawers, however no fewer than the bottom two.
- The remaining drawers for freezing must be at the top.
- The isolation plate must be fitted **underneath** the last drawer, in which food is to be stored.
- The fewer the number of drawers being used, the less energy will be consumed. Using the isolation plate will significantly reduce energy consumption.

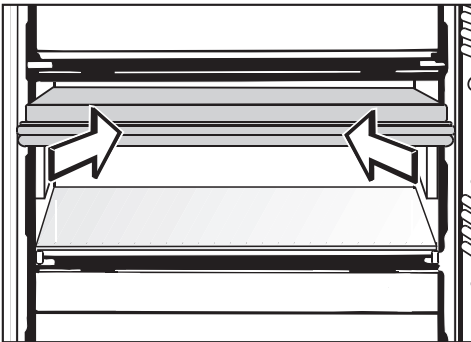
Freezing and storing food

Do not store food in the "switched off" drawers as large fluctuations may occur in these drawers, thus causing food to spoil.

Example

You need only three freezer drawers, plus the freezer tray, to store food.

- Place food in the top three drawers. All other drawers remain empty.
- Pull out the fourth freezer drawer from the top and store it outside the freezer.



- Slide the isolation plate (print facing upwards) **under** the third drawer from the top.

The remaining drawers are now "switched off" (isolated).

Storing frozen food

When buying frozen food to store in your freezer, check

- that the packaging is not damaged,
 - the use-by date,
 - the temperature at which the frozen food is being stored in the shop. The length of time it can be kept is reduced if it has been stored at a temperature warmer than -18°C .
- Buy frozen food once you have finished the rest of your shopping, and wrap it in newspaper or use a cool bag or cool box to transport it.
 - Place it in the freezer as soon as possible.

Do not refreeze defrosted or partially defrosted food. Defrosted food may only be refrozen after it has been cooked.

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 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.

- Do not place hot food or drinks in the freezer. This causes already frozen food to thaw, and increases the energy consumption considerably. Allow hot food and drinks to cool down before placing them in the freezer.

Packing

- Freeze food in portions.

Unsuitable packing material

- wrapping paper
- grease-proof paper
- cellophane
- bin bags
- plastic carrier bags

Suitable packing material

- plastic freezer film
- freezer bags
- aluminium foil
- freezer containers

- 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.

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.

Freezing and storing food

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 "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 load capacities need to be adhered to:

- Top freezer drawer = 15 kg
- All other freezer drawers = 25 kg
- Glass plate = 35 kg

Make sure that food already frozen does not come into contact with fresh food being frozen as this could cause the frozen food to begin to defrost.

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

– Freezing small items

Place small items in the bottom freezer drawers.

- Place the food flat at the bottom of the drawers so that it freezes through to the core as quickly as possible.

When removing freezer drawers, please note:

The lowest freezer drawer must always remain in the appliance. Place the food on the glass plate so that the ventilation slits in the back wall of the appliance are not blocked. They are important for trouble-free operation of the appliance and maintaining normal energy consumption.

– Freezing the maximum quantity of food (see data plate)

- Take out the freezer drawers.
- Place the food flat on the lower glass plates so that it freezes through to the core as quickly as possible.

– Freezing large items

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

Remove the freezer drawers and carefully lift and slide out the glass cold plates.

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.

Partially thawed **thin pieces of meat or fish** can be placed in a hot pan.

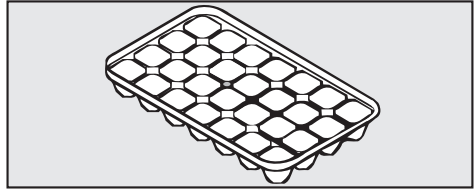
Pieces of meat and fish (e.g. mince, chicken, fish fillet) should not come into contact with other food when defrosting. Collect the water from the defrosted meat or fish and dispose of it carefully.

Fruit can 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.

Do not refreeze defrosted or partially defrosted food. Defrosted food may only be refrozen after it has been cooked.

Making ice cubes



- Fill the ice cube tray with water to $\frac{3}{4}$ full and place it in a freezer drawer.
- Use a blunt instrument, e.g. a spoon handle or plastic scraper, to prise it apart carefully.
- Ice cubes can be removed quickly if briefly placed under running water.

Cooling drinks

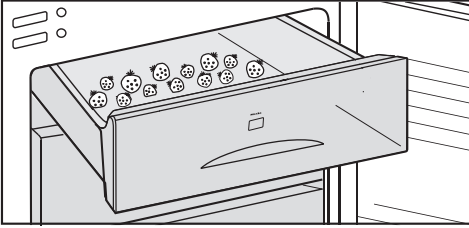
Do not store cans or bottles containing carbonated drinks or liquids which could freeze in the freezer. The cans or bottles could explode.

When cooling drinks (only non-carbonated) quickly, make sure bottles are **not left in the freezer for more than one hour**, as they could burst.

Freezing and storing food

Freezer tray

The freezer tray is useful for freezing small items such as berries, herbs and vegetables. They can be frozen individually and therefore maintain their shape when defrosted.



- Space the food out loosely on the tray.

Leave the food for 10-12 hours to freeze thoroughly on the tray. Transfer it to a freezer bag or suitable container once frozen. Place the bag or container in the freezer drawer.

This freezer is equipped with a frost free system. The freezer defrosts automatically.

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

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

Cleaning and care

Do not let water get into the electronic unit or the ventilation gaps.

Do not use a steam cleaning apparatus to clean the appliance. 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.

To avoid damaging the outer 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 cleaners,
- dishwasher cleaners,
- oven sprays,
- glass cleaning agents,
- hard, abrasive sponges and brushes, e.g. pot scourers,
- dirt erasers,
- sharp metal scrapers.

Before cleaning

- Switch off the appliance.
- Disconnect the appliance from the mains. Switch off at the wall and withdraw the plug from the socket, or disconnect the mains fuse.
- Take any food out of the appliance and store it in a cool place.
- Remove all the freezer drawers from the freezer for cleaning.

Cleaning the interior and accessories

- Use lukewarm water with a little washing-up liquid.

The ice cube tray can be washed in a dishwasher.

The temperature of the dishwasher programme must not exceed 55 °C. Plastic components may discolour in the dishwasher if they come into contact with natural dyes from foods such as carrots, tomatoes and tomato sauce.

This discolouration will not affect the stability of the components.

- Clean the drawers by hand as they are **not** dishwasher safe.
- After cleaning, wipe the interior and accessories with a damp cloth and dry with a soft cloth. Leave the door open to air the appliance for a short while.

Cleaning the door and side panels

Remove any soiling immediately. If not, it might become impossible to remove and could cause the surface to alter or discolour.

The external surfaces of this appliance are all susceptible to scratching. Contact with unsuitable cleaning agents can also alter or discolour the outer surfaces.

- Clean surfaces using a damp microfibre cloth or with a solution of warm water and a little washing-up liquid applied with a soft sponge.
- After cleaning, wipe the outer surfaces with a damp cloth and dry with a soft cloth.

The following applies to the stainless steel door:

The appliance door is treated with a high quality surface coating. It protects against soiling and facilitates cleaning and care.

Do **not** use the following on the appliance door:

- Stainless steel cleaners: The coating will be damaged.
- Miele Original Care product for stainless steel: Visible smearing will form on the door.

Ventilation gaps

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

Door seal

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

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

Cleaning and care

Rear of appliance - metal grille

The 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.

When cleaning the grille, make sure that the pipework and other components do not get broken or damaged in any way.

After cleaning

- Replace all shelves and accessories back in the appliance.
- Close the appliance door.
- Reconnect the appliance to the electricity supply and switch it on.
- Switch on the SuperFreeze function so that the freezer can cool down quickly.
- Once the temperature in the freezer is sufficiently low, place the food back in the freezer drawers and put them back in the freezer.
- Switch off the SuperFreeze function as soon as the temperature in the freezer is a constant -18 °C or colder.

Repairs to electrical appliances should only be carried out by a suitably qualified and competent person in strict accordance with current local and national safety regulations. Repairs and other work by unqualified persons could be dangerous. The manufacturer cannot be held liable for unauthorised work.

What to do if . . .

. . . the appliance does not get cool.

- Check whether the appliance has been switched on. The temperature display must be lit up.
- Check that the plug is correctly inserted into the socket and switched on.
- Check whether the mains fuse has tripped or whether the freezer, mains voltage or another appliance is faulty. Contact a qualified electrician or Miele.

. . . the door 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.

. . . the temperature inside the appliance is too low.

- Turn the temperature to a higher setting.
- SuperFreeze has not yet switched itself off. The SuperFreeze function switches itself off automatically after approx. 65 hours.

. . . the appliance is switching in too frequently and for too long.

- Check whether the ventilation gaps have been covered over or become dusty.
- Check whether the metal grille (heat exchanger) at the back of the appliance has become too dusty.
- The door has been opened too frequently, or a large amount of fresh food has been put in at once for freezing.
- Check that the door has been closed properly.

. . . the compressor runs continuously.

To save energy, the compressor runs at a lower speed, but for longer, when less cooling is required.

Problem solving guide

. . . the alarm sounds and the alarm indicator light flashes.

The temperature in the freezer is too warm, because

- a large amount of food has been frozen at once without switching on the SuperFreeze function.
The alarm will stop and the indicator light will go out when the temperature has reached the correct level again.

- the compressor is faulty. Call Miele.

Depending on the temperature in the freezer, you should check the condition of the food. If food has defrosted or started to defrost, check that it is still safe to use, and if so, use it as quickly as possible. Defrosted food may only be refrozen after it has been cooked.

. . . the SuperFreeze indicator light and the temperature display are both flashing at the same time.

There is a fault. Call Miele.

. . . the SuperFreeze indicator light does not light up, even though the appliance is working.

- The indicator light is defective. Call Miele.

. . . there is a build-up of frost on the front panel of the Frost free system.

This is not a fault. Droplets of condensate have settled on it and frozen. This may have been caused by one of the following:

- The appliance door has been opened frequently or left open for a while.

- A large quantity of fresh food has been placed in the appliance at once.

- There has been an increase in the humidity in the room.

Keep the door closed as much as possible so that the Frost Free system has a chance to melt the ice automatically. This may take several days.

. . . food has frozen together.

Use a blunt instrument, e.g. a spoon handle or plastic scraper, to prise it apart carefully.

If you still cannot remedy the fault having followed these suggestions, please contact Miele.

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

Normal noises	What causes them
Brrrrr ...	Humming noise made by the motor (compressor). This noise can get louder for brief periods when the motor is switching 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.
Sssrrrr ...	On multi-zone and frost-free appliances you can sometimes just hear the movement 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	What causes them, and what can you do about them?
Rattling, vibrating	The appliance is uneven: Realign the appliance using a spirit level, by raising or lowering the screw feet underneath the appliance.
	The appliance is touching another appliance or piece of furniture: Move it away.
	Drawers, baskets or shelves are unstable or sticking: Check all removable items and refit them correctly.
	Are any bottles or containers unstable or knocking against each other? Separate them.
	The transport cable clips are hanging loose at the back of the appliance: Remove the clips.

After Sales

In the event of a fault which you cannot correct yourself, please contact:

- your Miele Chartered Agent

or

- Miele.

You will find the address and telephone number of Miele on the back cover of the manual.

When contacting your Chartered Agent or Miele, please quote the model and serial number of your appliance. This information is given on the data plate inside your appliance.

Electrical connection

All electrical work should be carried out by a suitably qualified and competent person in strict accordance with current local and national safety regulations.

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 voltage and frequency are given on the data plate. Please ensure that these match the household mains supply. The fuse rating is quoted on the plug.

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).

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

Do not connect the machine 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 machine must not be used with so-called **Energy saving devices** either. These reduce the amount of energy supplied to the machine, causing it to overheat.

WARNING

THIS APPLIANCE MUST BE EARTHED

For India only: Due to extreme fluctuations in the electrical network, we recommend operating the appliance with a voltage stabiliser.

Installation

Do not place any appliance which gives off heat, such as a toaster or microwave oven, on top of this appliance, as this would increase the appliance's energy consumption.

This appliance has side-wall heating and can be installed side-by-side with another refrigeration appliance. Please ask your supplier for details of suitable appliances.

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.

Important: tropical / humid environments
During periods of high humidity, some condensation may appear on outside surfaces of cooling appliances. This condensation will disappear when humidity levels drop. For prevention, it is advisable to install the appliance with sufficient ventilation in a dry and/or an air-conditioned room. Please ensure that doors are closing and sealing properly. Please ensure that the appliance is installed in accordance with these installation instructions and that the handle is fitted correctly. Should you require further assistance, please contact Miele.

Climate range

The appliance is designed for use within certain climate ranges (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
SN-ST	+10 to +38 °C
SN-T	+10 to +43 °C

Operating in a room which is too cold will result in the cooling system switching off for too long, causing the internal temperature in the appliance to rise with the risk of frozen food deteriorating and going off.

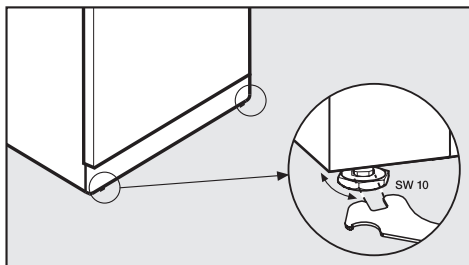
Ventilation

Air at the back of the appliance gets warm. To ensure sufficient ventilation, the ventilation gaps must not be covered over. The air inlet and outlet must not be covered or blocked in any way. They should be dusted on a regular basis.

Installation

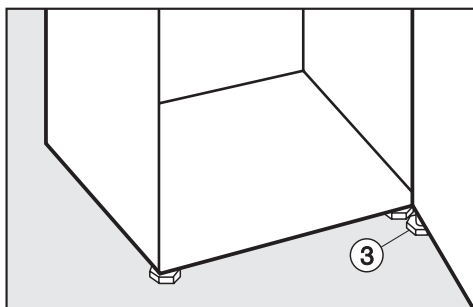
- Remove the cable clip from the back of the appliance.
- Check that all parts at the back of the appliance are unhindered. Carefully remove any hindrance.
- Carefully push the appliance into position with the back against the wall.

Aligning the appliance



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

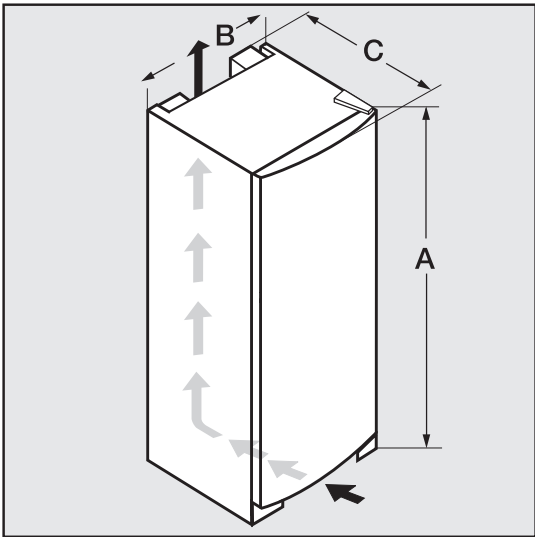
Supporting the appliance door (depending on model)



- The foot ③ should **definitely** be unscrewed until it rests on the floor. Then turn it a further 90°.

Installation

Appliance dimensions



	A	B	C
FN 11827 S	1850 mm	600 mm	630 mm
FN 12827 S			
FN 12827 S edt/cs			

Installing in a side-by-side combination

To avoid a build-up of condensation and resultant damage, refrigerators and freezers should not generally be installed side-by-side.

However, this appliance has side wall heating, and can be installed side-by-side with certain other Miele appliances.

Your Miele Chartered Agent will be able to advise you on which models are suitable to being installed side-by-side.

Installation

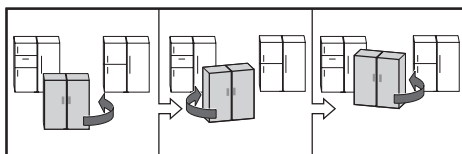
It is essential that installation of the appliances is carried out by two people.

Warning! There is a risk of damage when moving the appliance combination. The combination of appliances is very heavy. Dents may form on the appliances if they are not moved correctly. Please follow the instructions for sliding the appliances into position.

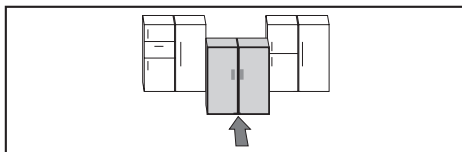
- The freezer, or appliance with freezer section, must be installed to the left of the refrigerator when viewed from the front. The side wall heating in the right-hand wall of the freezer is designed to prevent the build-up of condensation between the two appliances.
- When sliding the two appliances together, always hold the front external corners of the 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 back of the appliances still needs to be kept accessible to complete the installation.

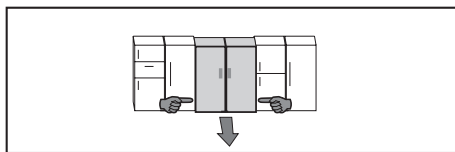
Sliding the two appliances into position



- Slide the left side and right side alternately.
- **When the combination is directly in front of the niche:**



- Carefully push the two appliances back into their final position.
- **If the combination needs to be taken out of the niche again:**




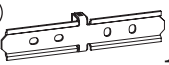






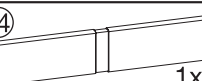
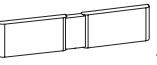


- Hold the appliances in the bottom third and pull them out straight towards you.

Installing in a side-by-side combination

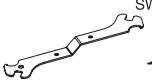
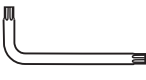
Joining the two appliances together

The following fastening components are supplied:

①	 4x	
③	 1x	④  4x
⑦	 1x	⑧  4x
⑨	 1x	⑩  1x
		⑪  1x
⑫	 1x	
⑬	 1x	
⑭	 1x	⑮  1x

* Colour is model dependent (the other colour variation is not required)

The following tools are supplied:

⑱	 1x	⑳	 1x
---	--	---	--

⑱ Spanner SW 10

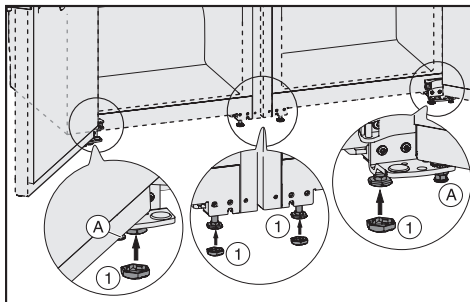
⑳ Allen key SW 2
(not required)

The following tools are also required:

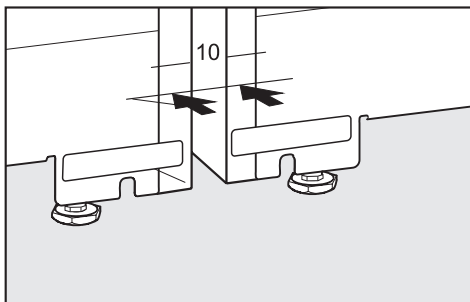
- Spirit level
- Cordless screwdriver
- Torx screwdriver® 25

- Before starting, peel off any protective foil from the appliance casing.

Assembly steps on the appliance fronts

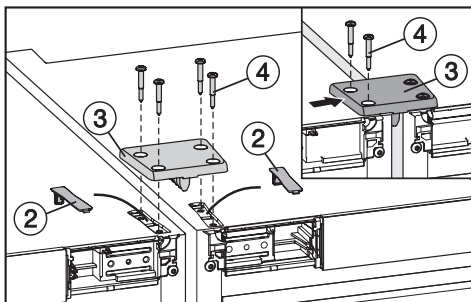


- Screw in the feet ① for supporting the appliance doors with the spanner ⑱ supplied. They are not allowed to come in contact with the floor.
- Attach the caps ① to the front feet.



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

Installing in a side-by-side combination



- Remove the covers ② at the top of the appliances.

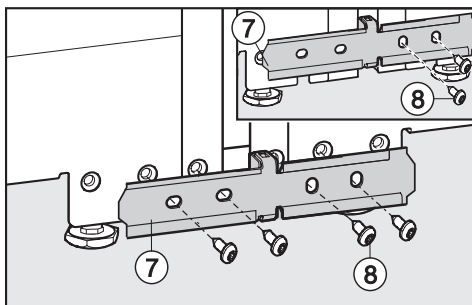
Attaching the connecting plate will ensure the heights of the two appliances are aligned. If one appliance is taller than the other, start with the taller appliance:

- Fit the connecting plate ③ and attach it loosely to one of the appliances with two screws ④.
- Slide the connecting plate ③ across until the centre notch of the plate hooks onto the side wall of the appliance.
- The two screws ④ can now be tightened.
- Screw the connecting plate ③ to the second appliance. Depending on how they stand together, either push the two appliances together a little or pull them slightly apart.

- Remove the two covers ⑤ at the base of the appliances.
- Remove the screw ⑥ if it is in place. This screw is no longer needed.

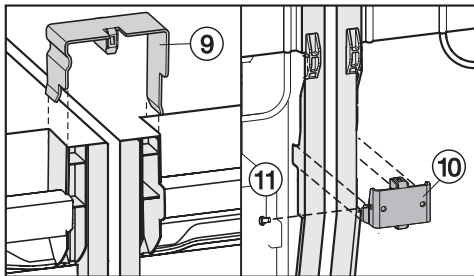
Installing in a side-by-side combination

Attaching the connecting bracket will ensure the heights of the two appliances are aligned. Start with the appliance on the right-hand side. If one appliance protrudes at the front more than the other, start with this appliance:



- Attach the connecting bracket ⑦ so that the vertical long slots are on the side that will first be fastened to an appliance. Loosely attach the screws ⑧.
- Slide the connecting bracket ⑦ across until the centre notch of the plate hooks onto the side wall of the appliance.
- The two screws ⑧ can now be tightened.
- Screw the connecting bracket ⑦ to the second appliance. Depending on how they stand together, push the two appliances together a little.

Assembly steps on the rear of the appliances

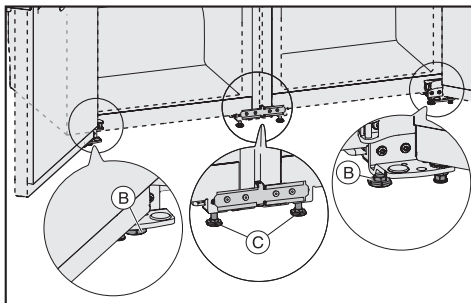


- Fit the connecting brace ⑨ at the top of the inside walls.
- Insert the bracket ⑩ into the appropriate gap at the bottom.
- Tighten the bracket ⑩ with the screw ⑪ supplied.
Important: Do not drill a hole for this screw in the appliance.

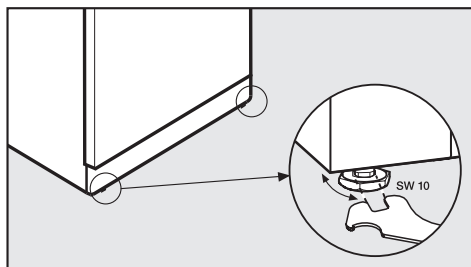
To avoid vibrations, neither the brackets nor the screws should touch the pipework on the back of the appliances.

Installing in a side-by-side combination

Assembly steps on the appliance fronts



- Screw the inside feet ③ all the way in. They must come in contact with the floor.
- Align the combination of appliances with the outer feet ②.



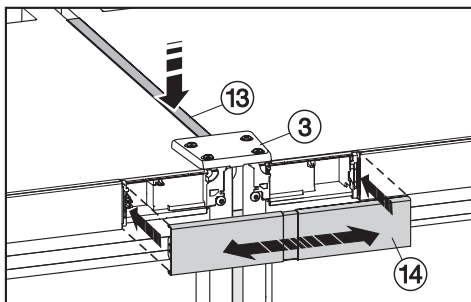
- Adjust the feet using the spanner supplied.

- Press the long stainless steel trim ⑫ into the gap at the front between the appliances. Ensure that the bottom of the trim sits against the connecting bracket ⑦.

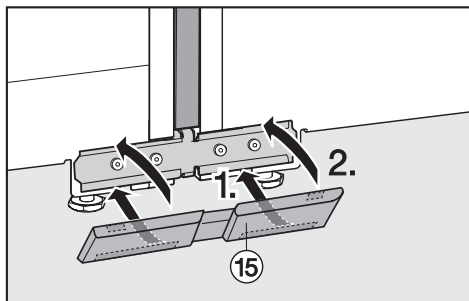
Pressing both ridges along the trim together makes it easier to fit the trim into the gap.

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

Installing in a side-by-side combination



- Push the short trim (13) into the gap at the top of the appliances. Make sure that the front edge of the trim sits flush with the edge of the connecting plate (3).
- Fit the cover (14) in the space between the control panels. Make sure that the outer edges of the cover are flush with the control panels. The cover can be pulled out to adjust it to the right size.



- Fit the cover (15) at the lower front of the appliances.

- Connect both appliances to the electricity supply as described under "Electrical connection".
- Appliances with ice cube maker:
Plumb the appliance in as described under "Mains water connection".

Important! There is a risk of damage when moving the appliance combination. The combination of appliances is very heavy. Dents may form on the appliances if they are not moved correctly. Please follow the instructions for sliding the appliances into position.

- Carefully push the two appliances back into their final position.
- Align the height of the appliance combination again if necessary using the outer feet (B).
- Then unscrew the inside feet (C) until they touch the floor.
- Shore up the appliance doors using the foot (A) on the hinge plate:
Unscrew the foot (A) until it touches the floor. Then turn it a further 90°.

Please align the handles on both doors if necessary. See "Changing the door hinging".

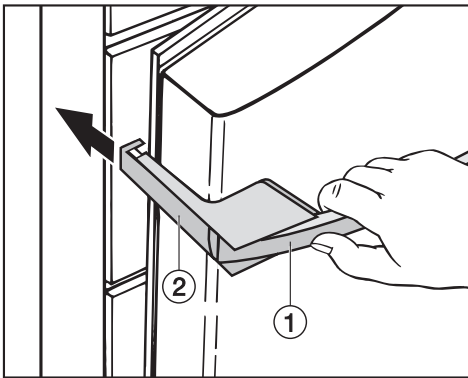
Changing the door hinging

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

- a cross-slotted screwdriver,
- a flat-bladed screwdriver,
- a selection of Torx screwdrivers,
- a spanner.

Two people are needed to change the door hinging.

Removing the door handle:

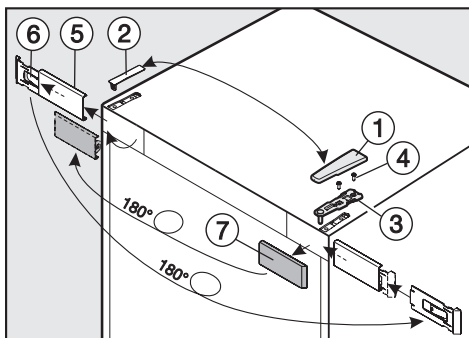


- Pull door handle ① towards you. Side section ② slides back.
- Pull side section ② firmly back out of the guides on the mounting plate (see arrow).
- Undo the 4 (Torx 15) screws in the mounting plate, and remove the handle.
- Remove the cover caps from the opposite side, and fit them into the empty holes.

Changing the door hinging

Changing over the door:

- Close the appliance door.



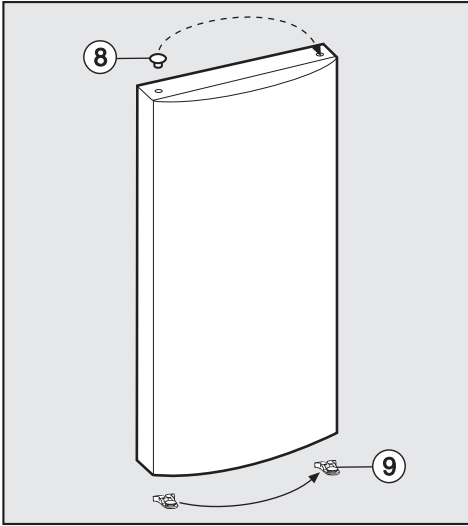
- Remove cover ① by sliding it forwards from the back and then lifting it off.
- Remove cover ② by pulling it upwards.

Caution! The appliance door is not secure once the hinge plate has been removed.

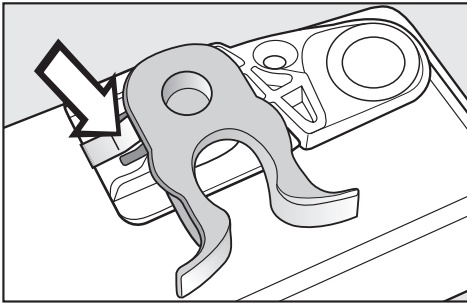
- Loosen screws ④ in upper hinge plate ③ and pull it upwards and off.
- Carefully lift the door off and place it to one side.
- Carefully release cover ⑤ from above using a screwdriver and then take it off together with retaining plate ⑥.
- Then separate retaining plate ⑥ from cover ⑤ by pushing it slightly to the left. Then pull the cover forwards and off.
- Rotate retaining plate ⑥ by 180°.
- Then fit cover ⑤ from the front over retaining plate ⑥, and slide it over to the right. The writing must be visible.

- Remove cover ⑦, then rotate it by 180° and fit it on the opposite side.
- Then fit cover ⑤ together with retaining plate ⑥ on the opposite side.

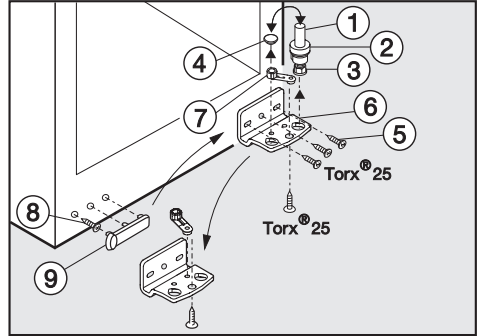
Changing the door hinging



- Remove cap ⑧ from the bearing bush in the door and refit on the opposite side.

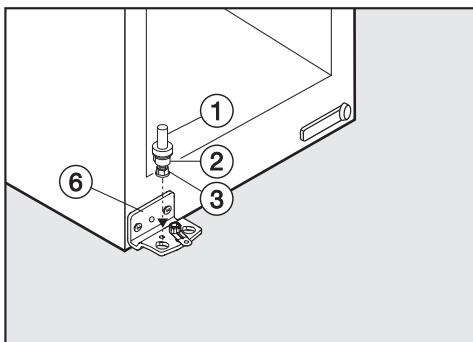


- Remove clamp ⑨ from underneath the door and fit it on the opposite side.

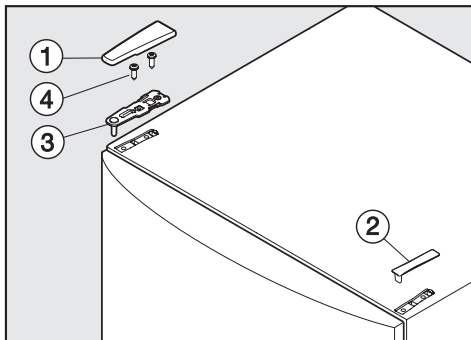


- Pull hinge pin ① with disc ② and foot ③ upwards to remove them.
- Remove cap ④.
- Undo screws ⑤ and take hinge plate ⑥ off.
- Slightly loosen bearing screw ⑧ from hinge plate ⑥. Screw it into the hole on the other side of the hinge plate ⑥ and then tighten the screw again.
- Place cap ④ in the other hole.
- Remove cover ⑨.
- Undo screw ⑧ and screw it into the outermost hole on the other side.
- Rotate cover ⑨ by 180° and click it into the holes on the other side.

Changing the door hinging



- Screw hinge plate ⑥ into position on the opposite side using the two **outer** long slots only. Do not use the **middle** screw because you will not be able to align the door over the outer long slots later on.
- Reinsert hinge pin ① with disc ② and foot ③. Important! The lug on the hinge pin must face backwards.
- Place the door onto hinge pin ①.
- Close the appliance door.



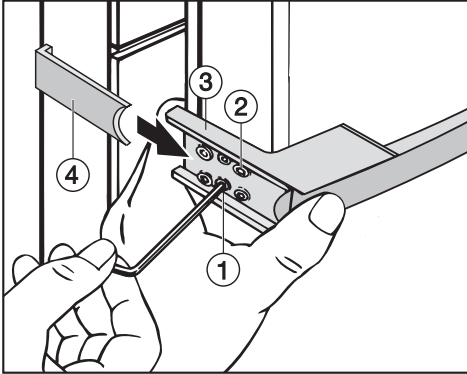
- Fit hinge plate ③ onto the opposite side and secure it with screws ④.
- Fit covers ① and ② to their opposite sides.
- Realign the door with the appliance housing again. If necessary, use the long slots in the lower hinge plate. Then tighten the screws.

Changing the door hinging

Refitting the handle:

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

It is important to check that the side section of the handle ④ does not come into contact with the door seal when opening the door as this would damage the door seal permanently.



If, after you have refitted the handle, you find that the side section does touch the door seal when the door is opened:

- Realign mounting plate ③ with grub screws ① until the mounting plate and the side section of the handle ④ are at the correct angle and the side section does not touch the door seal when the door is opened.

- Loosely attach the handle to the opposite side of the door with the two front screws ②.

Mounting plate ③ must be positioned on the side of the door so that when the door is **closed**, it is flush with the side of the appliance.

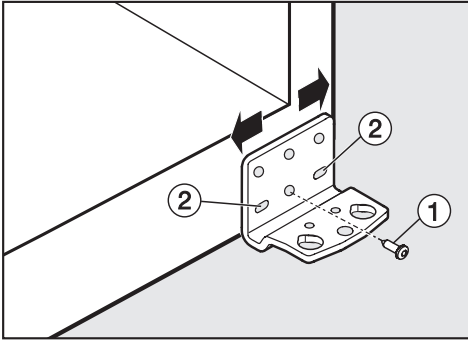
If this is not the case,

- tighten both grub screws ① with an Allen key until mounting plate ③ lines up correctly.
- Then tighten all 4 fixing screws ②.
- Slide the side section of the handle ④ into the guides on the mounting plate until it clicks into place.

Aligning the appliance door

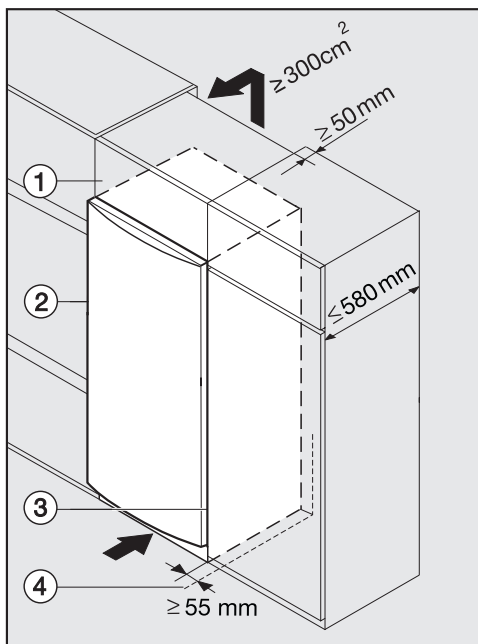
The appliance door can be retrospectively aligned to the housing using the outer long slots in the lower hinge plate.

In the following illustration the door is not shown in the closed position to make it easier to see what happens next.



- Remove 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 screws ② again. Screw ① does not need to be refitted.

Building in the appliance



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

When built into a kitchen run (max. depth 580 mm), the appliance can be installed directly next to a kitchen furniture housing unit. The appliance door will protrude in front of furniture fronts at the sides by 34 mm and by 55 mm in the middle of the door. This enables the doors to be opened and shut without being obstructed.

When installed **next to a wall** ④, a distance of approx. 55 mm must be maintained on the hinge side between the wall ④ and the appliance ② so that the doors and the handles have sufficient space for opening.

- ① Top box
- ② Appliance
- ③ Housing unit
- ④ Wall

The appliance can be installed in a kitchen run. To match the height of the rest of the kitchen, the appliance can be fitted with a suitable top box ①.

A ventilation gap of at least 50 mm depth must be allowed for behind the appliance across the entire width of the top box for air to circulate.

The cross section of the air outlet under the room ceiling must be at least 300 cm² to ensure that air can circulate without hindrance. Otherwise the appliance has to work harder, resulting in an increase in electricity consumption.

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