

Operating and installation instructions

Refrigerator



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.

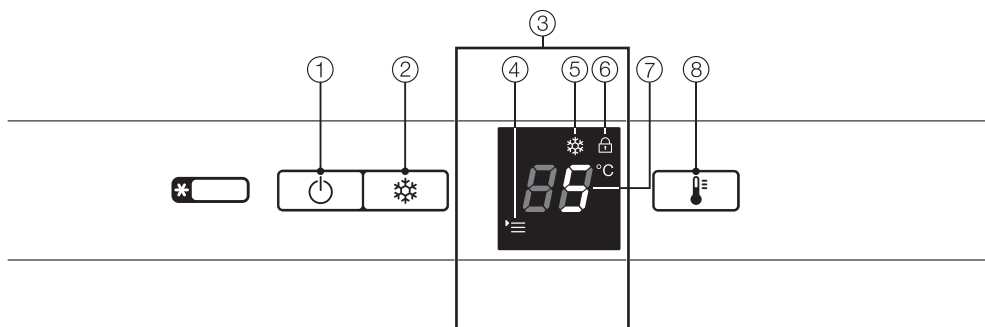
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Guide to the appliance

Control panel



① On/Off button

② Super cool button

③ **Display**

④ Menu symbol
(Settings mode:
For activating and deactivating the
lock)

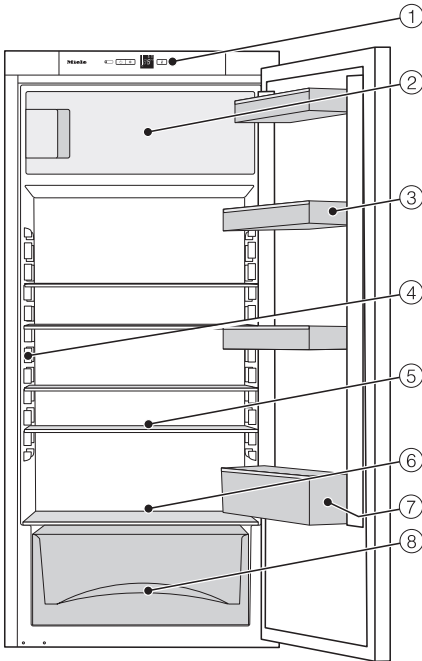
⑤ Super cool symbol

⑥ Lock symbol

⑦ Temperature display

⑧ Temperature selector button

Guide to the appliance



- ① Control panel
- ② Freezer compartment*
- ③ Door shelf / Egg tray
- ④ Interior lighting
- ⑤ Adjustable shelf
- ⑥ Condensate channel and drain hole
- ⑦ Bottle shelf
- ⑧ Fruit and vegetable containers* or Fruit and vegetable drawer*

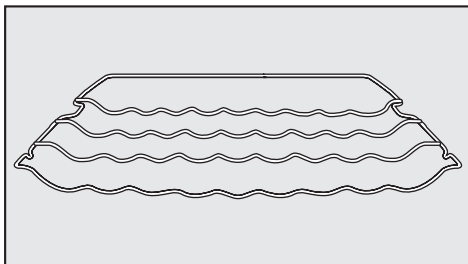
* Depending on model

This drawing is for illustration purposes only.

Guide to the appliance

Optional accessories

Bottle rack



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

Split shelf

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

Microfibre cloth

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

Optional accessories are available from Miele or via the internet.



www.miele-shop.com

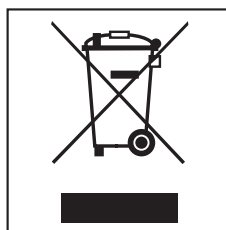
Disposal of the packing material

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

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

Disposal of your old appliance

Electrical and electronic appliances often contain valuable materials. They also contain 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 or contact your dealer for advice. Ensure that it presents no danger to children while being stored for disposal.

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 statutory safety requirements. Inappropriate use can, however, 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 installation and before using it for the first time. They contain important information on installation, safety, use and maintenance.

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

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

Correct application

► The appliance is intended for use in domestic households and similar working and residential environments. It is not intended for outdoor use.

► This appliance is intended for domestic use only for cooling and storing food and drink as well as for storing deep frozen food, freezing fresh food and for making ice.

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

Warning and Safety instructions

► The 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 incorrect or improper use or operation.

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

Safety with children

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

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

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

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

Warning and Safety instructions

► Danger of suffocation. Packaging, e.g. plastic wrappings, must be kept out of the reach of babies and children. Whilst playing, children could become entangled in packaging or pull it over their head and suffocate.

Technical safety

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

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

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

Care must be taken during the transportation and installation of the appliance that no parts of the cooling system are damaged.

Splashes of coolant can injure the eyes.

In the event of any damage:

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

Warning and Safety instructions

► 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 it is 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.

► If the electrical 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 electrical supply by a multi-socket adapter or extension lead. These are a fire hazard and do not guarantee the required safety of the appliance.

► Do not use in a damp or wet environment (e.g. garage or utility room). Moisture could reach live components or the electrical connection and cause a short circuit.

Warning and Safety instructions

- ▶ This appliance must not be used in a non-stationary location (e.g. on a ship).
- ▶ Do not use a damaged appliance. It could be dangerous. Check the appliance for visible signs of damage.
- ▶ For safety reasons, this appliance may only be used when it has been built in.
- ▶ The appliance must be disconnected from the mains electricity supply during installation, maintenance and repair work. Ensure that power is not supplied to the appliance until after it has been installed or until after any maintenance or repair work has been carried out.
- ▶ Unauthorised installation, maintenance and repairs can cause considerable danger to users. Installation, maintenance and repair work must only be carried out by a Miele authorised technician.
- ▶ While the appliance is under guarantee, repairs should only be undertaken by a Miele authorised service technician. Otherwise the guarantee is invalidated.
- ▶ Miele can only guarantee the safety of the appliance when original Miele replacement parts are used. Faulty components must only be replaced by genuine Miele original spare parts.

Correct use

- ▶ 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. Installing it in a room with too low an ambient temperature, e.g. a garage, will lead to the appliance switching off for longer periods so that it cannot maintain the required temperature.
- ▶ Do not cover or block the air vents as this could impair the efficiency of the appliance, increase the electricity consumption and could cause damage to the components.
- ▶ If storing food which contains a lot of fat or oil in the appliance or the door, make sure that it does not come into contact with plastic components as this could cause stress cracks or break the plastic.
- ▶ Do not store explosive materials in the appliance or any products containing propellants (e.g. spray cans). Electrical components could cause flammable vapours to ignite. Danger of fire and explosion.
- ▶ Do not operate any electrical equipment (e.g. an electric ice-cream maker) inside the appliance. Danger of sparking and explosion.
- ▶ Do not store cans or bottles containing carbonated drinks or liquids which could freeze in the freezer compartment. The cans or bottles could explode. Danger of injury and damage.

Warning and Safety instructions

- ▶ When cooling drinks quickly in the freezer compartment 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 metal parts. 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 compartment.
The very low temperature of the frozen ice or lollies can cause frost burn to the lips and tongue.
- ▶ Do not refreeze partially or fully defrosted food. Consume defrosted food as soon as possible, as it will lose its nutritional value and spoil if left for too long. Defrosted food may only be re-frozen after it has been cooked.
- ▶ Observe the manufacturer's "use-by" dates and storage instructions given on food to avoid the risk of food poisoning. Storage times will depend on several factors, including the freshness and quality of the food as well as the temperature at which it is stored.
- ▶ Only use genuine original Miele accessories with this appliance. Using spare parts or accessories from other manufacturers will invalidate the guarantee, and Miele cannot accept liability.

Cleaning and care

- ▶ 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 use a steam cleaning appliance to clean or defrost this appliance. Steam could reach electrical components and cause a short circuit.
- ▶ Do not use sharp edged objects to
 - remove frost and ice,
 - lift food.

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

- ▶ 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 could contain substances which could damage the plastic parts and which may cause the build up of gases and pose a danger to health.

Warning and Safety instructions

Transporting the appliance

- ▶ Always transport the appliance in an upright position and in its original transport packaging to prevent damage in transit.
- ▶ Danger of injury and damage. The appliance is 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.

- ▶ 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 coolant can injure the eyes.

How to save energy

	Normal energy consumption	Increased energy consumption
Installation site / Maintenance	In a ventilated room.	In an enclosed, unventilated room.
	Protected from direct sunlight.	In direct sunlight.
	Not near to a heat source (radiator, oven).	Near to a heat source (radiator, oven).
	Where the ideal ambient room temperature is approx. 20°C.	Where there is a high ambient room temperature.
	Ventilation gaps uncovered and dusted regularly.	Ventilation gaps covered up or dusty.
Temperature setting	Refrigerator section 4 to 5°C	With a low temperature setting: the colder the temperature in the refrigerator section, the higher the energy consumption.
	Freezer compartment -18°C	

How to save energy

	Normal energy consumption	Increased energy consumption
Use	Drawers, shelves and racks 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 with you when shopping and place food in the appliance as soon as possible. Replace any food removed as quickly as possible, before it begins to thaw. Allow hot food and drinks to cool down before placing them in the appliance.	Hot food or food at room temperature raises the temperature inside the appliance. The appliance works harder to cool down and the compressor runs for longer periods.
	Store food covered or packaged.	The evaporation or condensation of liquids will cause a loss of coldness in the refrigerator.
	Place frozen food in the refrigerator to defrost.	
	Do not over-fill the appliance to allow air to circulate.	
Defrosting	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.

Before using for the first time

Packing material

- Remove all the packing material from the interior of the appliance.

Protective foil

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

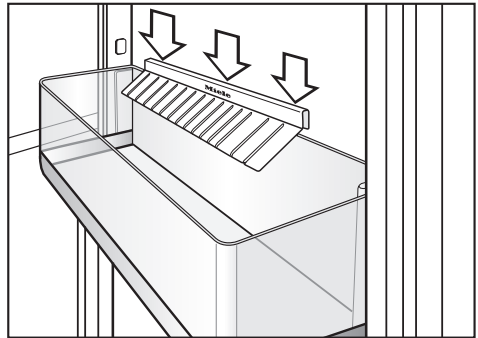
- Carefully remove the protective foil from the stainless steel trim.

Cleaning

It is essential to follow the relevant instructions in "Cleaning and care".

- Clean the inside of the appliance and the accessories.

Accessory - Bottle holder



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

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

Switching on and off

Switching on



- Press the On/Off button.

The temperature display lights up, the appliance starts cooling and the interior light will come on when the door is opened.

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



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

The cooling system is switched off. If this does not happen, the safety lock is still activated (see "Selecting settings - To deactivate the lock").

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,
- disconnect it from the mains,
- defrost the freezer compartment (depending on model),
- 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.

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

. . . in the refrigerator

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

. . . in the freezer compartment

(depending on model)

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 correct temperature

Temperature display

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



- Press the temperature selector button repeatedly until the temperature you want lights up in the display.

Setting the temperature

If the appliance door is opened very often, or if large quantities of food are being stored in the appliance, or if there is a high ambient temperature, it is advisable to set the temperature between **3°C and 5°C**.

The higher or lower the temperature in the refrigerator, the higher or lower it is in the freezer compartment.

The temperature can be adjusted from 9°C to 1°C.

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

The temperature value will change until the setting for 9°C is reached. It will then drop back to the 1°C setting.

The newly selected temperature will be adopted automatically after a short while.

The temperature in the appliance will adjust slowly until it is at this value. The average temperature in the freezer compartment (depending on model) will then be approx. **-18°C**.

Settings mode

The lock is activated or deactivated in Settings mode.

Activating or deactivating the lock	⌘
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Settings mode is represented in the display by the Menu symbol '≡.

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

Activating or deactivating the lock

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

– To activate the lock



- Press the Super cool button for approx. five seconds.


The Menu symbol '≡ will light up and ⌘ will start flashing in the display. Settings mode is now activated.



- Press the Super cool button briefly to call up the lock function.
⌘1 will appear in the display.



- Press the Super cool button briefly to activate the lock.

The Lock symbol  will light up.
To come out of Settings mode:






- Press the On/Off button.
The temperature will appear in the display.

Selecting settings

– To deactivate the lock




- Press the Super cool button for approx. five seconds.

The Lock symbol  and the Menu symbol  will light up and  will flash in the display.
Settings mode is now activated.




- Press the Super cool button briefly to call up the lock function.

 will appear in the display.



- Press the Super cool button briefly to deactivate the lock.

The Lock symbol  will go out.

To come out of Settings mode:



- Press the On/Off button.

The temperature will appear in the display.

Super cool

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

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

Switching on Super cool



- Press the Super cool button.

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

Switching off Super cool

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

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



- Press the Super cool button. The Super cool symbol ❄ will go out.

The appliance will run at normal power again.

Storing food in the refrigerator

Different storage zones

Due to the natural circulation of the air in the appliance, there are different temperature zones in the refrigerator. Cold, heavy air sinks to the lowest section of the appliance. Make use of the different zones when placing food in the appliance.

Warmest area

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

Coldest area

The coldest area is directly above the fruit and vegetables containers or above the fruit and vegetable drawer (depending on model) and at the back of the appliance.

Use this for all delicate and highly perishable food, e.g.

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

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

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

Food must not touch the back wall of the appliance, as it may freeze to the back wall.

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

Food which is not suitable for storing in the refrigerator

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

Food which does not tolerate cold temperatures includes:

- Pineapples, avocados, bananas, pomegranates, mangos, melons, papayas, passion fruit, citrus fruit (such as lemons, oranges, mandarins, grapefruit),
- Fruit which is not yet ripe,
- Aubergines/egg plant, cucumber, potatoes, peppers/capiscum, tomatoes, courgettes/zucchini,
- Some hard cheeses, e.g. Parmesan.

When shopping for food

The freshness of food when first placed in the appliance is an important factor in determining how long it stays fresh, and how long it can be kept in the refrigerator. Always observe the use-by date and the recommended storage temperature. Time out of the refrigerator, e.g. during transportation, should be kept to a minimum. For example, do not allow food to stay in a hot car for too long.

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

Storing food in the refrigerator

Storing food correctly

Food should generally be stored **covered or packaged**. This will prevent food smells from affecting other food, food from drying out, and also any cross-contamination of bacteria. This is particularly important for protein-based food such as meat or fish.

The growth of bacteria, such as salmonella, can be avoided by setting the correct temperature and maintaining good standards of hygiene.

Fruit and vegetables

Fruit and vegetables can be stored loose in the fruit and vegetable containers or drawers (depending on model).

Protein rich food

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

Adjusting the interior fittings

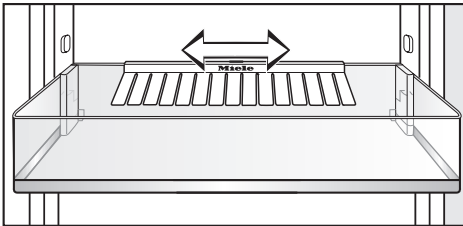
Adjusting the door shelf/bottle shelf

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

Moving the bottle holder

The bottle holder can be moved to the left or right to create more room for drinks cartons, for example.

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



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

Moving the shelves

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

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

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

Stoppers prevent the shelves from being dislodged by mistake.

Freezing and storing food (depending on model)

Using the freezer compartment

Use the freezer compartment to:

- store frozen food,
- make ice cubes,
- freeze small quantities of fresh food.

Up to 2 kg of food can be frozen in 24 hours.

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. In practice this means that the food loses a large degree of its moisture. You can tell if this has happened by the amount of liquid 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 compartment, check

- that the packaging is not damaged,
- the use-by date,
- and 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 compartment as soon as possible.

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

Freezing and storing food (depending on model)

Home freezing

Only freeze fresh food which is in a good condition.

Hints on home freezing

- The following types of food **are suitable** for freezing:
Fresh meat, poultry, game, fish, vegetables, herbs, fresh fruit, dairy products, 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 and 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 food 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 compartment. 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 compartment.

Packaging

- Freeze food in portions.

Suitable packing material

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

Unsuitable packing material

- wrapping paper
- grease-proof paper
- cellophane
- bin liners
- plastic carrier 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.

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 (depending on model)

Before placing food in the freezer compartment

- Select a middle to low temperature (5°C or colder) for approx. 4 hours before placing fresh food in the freezer compartment.

This helps food that is already in the freezer compartment to stay frozen.

Placing food in the freezer compartment

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

Approx. 24 hours after placing fresh food in the freezer compartment

The freezing process is complete.

- Select the temperature you want for the refrigerator.

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 other food cold),
- in a steam oven.

Poultry It is particularly important to observe food hygiene rules when defrosting poultry. Do not use the liquid from defrosted poultry. Pour it away and wash the container it was in, the sink and your hands. Danger of salmonella poisoning.

Ensure that **meat and fish** (e.g mince, chicken, fish fillets) do not come into contact with other foods while defrosting. Catch the liquid and dispose of it carefully.

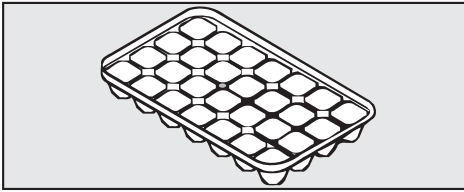
Fruit should be defrosted at room temperature in its packaging, or in a covered bowl.

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

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

Freezing and storing food (depending on model)

Ice cubes



- Fill the ice tray three quarters full with water and place it on the bottom of the freezer compartment.
- Once frozen, use a blunt instrument, for example a spoon handle, to remove the ice tray from the freezer compartment.
- Ice cubes can be removed easily from the tray by twisting the tray gently or by holding it under cold running water for a short while.

Cooling drinks

To cool drinks quickly, place them in the refrigerator section, and switch on the Super cool function.

If placing drinks in the freezer compartment to cool them quickly, **make sure bottles are not left for more than one hour** as they could burst.

Defrosting

Refrigerator section

The refrigerator section defrosts automatically.

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

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

Ensure that the condensate channel and drain hole are kept clean and are never blocked so that condensate can flow away without hindrance.

Freezer compartment

The freezer compartment does not defrost automatically.

In normal use, ice and frost will form in the freezer compartment, e.g. on the internal walls. How much ice and frost accumulates in the appliance will depend on the following:

- whether the appliance door has been opened frequently or left open for a while.
- whether a large quantity of fresh food has been placed in the freezer compartment at once.
- whether there has been an increase in the humidity in the room.

In certain circumstances, too thick a layer of ice can prevent the door from closing properly. Too thick a layer of ice also reduces efficiency and increases energy consumption.

- The freezer compartment should be defrosted from time to time. It must be defrosted if a layer of ice approx. 0.5 cm thick has accumulated.

The best time to defrost the freezer compartment is when:

- there is very little food or no food left in the appliance,
- the humidity level in the room is low and the ambient temperature in the room is also low.

Do not scrape off ice and frost and do not use any sharp edged or pointed instruments to aid the defrosting process. This would damage the evaporator, causing irreversible damage to the appliance.

Before defrosting

- Remove the frozen food from the freezer compartment and wrap it in several layers of newspaper or cloths.
- Store it in a cool place until the freezer compartment is ready for use again.

To defrost

Carry out the defrosting procedure as quickly as possible. The longer the food is left out at room temperature, the faster it goes off.

Do not use a steam-cleaning appliance to aid the defrosting process.

Steam could reach electrical components and cause a short circuit.

Do not place electric heaters or candles etc. inside the appliance to defrost it. They will damage 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.

- Switch off the appliance.

The display will go and the cooling system will switch off.

If this does not happen the lock is active (see "Selecting settings - To deactivate the lock").

- Disconnect the appliance from the mains electricity supply.
- Open the freezer compartment door.

To speed up defrosting, a bowl with hot water (not boiling) can be placed on a saucer in the freezer compartment. Closing the door in this instance will help retain warmth and speed up the defrosting process.

- Remove any pieces of ice which have become loose.

Make sure that no water can penetrate the housing unit.

- Use a sponge or towel to soak up the defrosted water, as often as necessary.

After defrosting

- Clean the appliance and then dry it thoroughly.
Do not let water get into the condensate channel and drain hole.
- Reconnect to the mains and switch the appliance back on.
- Once the temperature in the freezer compartment has reached the required temperature, place the food back into the freezer compartment.

Cleaning and care

Do not let water get into the electronic unit or into the light.

Do not let water get into the condensate channel and drain hole when cleaning.

Do not use steam cleaning apparatus to clean the appliance. Steam could reach 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 surfaces of your appliance, do not use:

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

- sharp metal scrapers.

Before cleaning

- Switch off the appliance.

The display will go out and the cooling system will switch off. If this does not happen the lock is active (see "Selecting settings - To deactivate the lock").

- Disconnect the appliance from the mains electricity supply.
- Take any food out of the appliance and store it in a cool place.
- Defrost the freezer compartment.
- Take out all other removable parts for cleaning.

Adjustable shelves

Before cleaning the shelves remove the stainless steel trim at the front and the protective strip at the back of the shelf. To do this:

- Place the shelf on a worktop covered with a soft material (e.g. on a tea towel).
- Pull the stainless steel trim off the shelf beginning at one side.
- Pull the protective strip off the shelf.
- After cleaning the shelf reattach the stainless steel trim and protective strip.

Cleaning the interior and accessories

The appliance should be cleaned regularly, at least once a month. Clean the freezer compartment (depending on model) each time you defrost it. Remove any obvious soiling immediately and do not let it dry on.

- Clean the interior surfaces and accessories with a solution of lukewarm water and a little washing-up liquid. After cleaning, wipe with clean water and dry with a soft cloth.

The following are **dishwasher safe**:

- the bottle holder, egg trays, ice cube tray (supplied as standard, depending on model)
- the shelves and bottle shelf in the door
- the adjustable shelves (excluding any stainless steel trim or protective strips)

The temperature of the dishwasher programme must not exceed 55°C. Contact with some foodstuffs, such as carrots, tomatoes or ketchup can cause plastic items to discolour. However, this discolouration will not affect the stability of plastic items.

The following are **not dishwasher safe**:

- the stainless steel trim and the protective strips on the shelves
- the fruit and vegetable containers or drawer (depending on model).
- These should all be hand washed.
- Clean the condensate channel and drain hole frequently, so that condensate can drain away unhindered. Use a straw or similar to clear the drain hole if necessary.
- Leave the appliance door open for a while.

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.

Cleaning and care

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.

After cleaning

- Replace all shelves and accessories in the appliance.
- Reconnect to the mains and switch the appliance back on.
- Switch on the Super cool function for a while so that the appliance can cool down quickly.
- Place food back in the appliance and close the door.



Problem solving guide

Some minor problems can be corrected without contacting Miele. The following overview is designed to help you resolve these yourself.

If having followed the suggestions below, you still cannot resolve the problem, please contact Miele.

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

Unauthorised installation, maintenance and repairs can cause considerable danger to users. Installation, maintenance and repair work must only be carried out by a Miele authorised technician.

Problem	Possible cause	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 has not been switched on.	■ Switch the appliance on. The display should then light up.
	The plug is not inserted in the socket correctly.	■ Insert the plug in the socket correctly and switch on. When the appliance is switched off the mains connection symbol  appears in the display.
	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 is not getting cold although the interior lighting and the appliance appear to be working normally.	Demo mode is activated and the symbol  appears in the display. This allows the appliance to be displayed in the showroom without the cooling system being switched on. Do not activate this setting for domestic use!	■ Contact the Miele Service Department to find out how to deactivate Demo mode on your appliance.

Problem solving guide

The compressor is switching on too frequently and for too long, so the temperature in the appliance is dropping.		
Problem	Possible cause	Remedy
The temperature inside the appliance is too low.	The temperature inside the appliance is set too low.	■ Select the correct temperature setting.
	The freezer compartment door (depending on model) is not closed properly.	■ Close the freezer compartment door (depending on model) properly.
	A large amount of fresh food has been put in at the same time for freezing.	■ See "Freezing and storing food" for more information.
	The Super cool function is still switched on. It will switch itself off automatically after approx.12 hours.	You can switch off the Super cool function earlier to save energy. ■ Press the Super cool button.
The compressor is running all the time.	To save energy, the compressor runs at a lower speed when less cooling is required. The compressor will run for longer when this happens.	This is normal and does not require attention.

Problem solving guide

Problem	Possible cause	Remedy
The compressor switches on too frequently and for longer.	The ventilation gaps in the housing unit are covered or dusty.	<ul style="list-style-type: none"> ■ Uncover the ventilation gaps. ■ Dust the ventilation gaps regularly.
	The refrigerator and freezer compartment (depending on model) doors have been opened too frequently, or a large amount of fresh food has been placed inside and/or frozen at the same time.	<ul style="list-style-type: none"> ■ Only open doors when you need to and then only for as long as necessary. <p>The appliance will regain the required temperature after a short while.</p>
	The appliance and/or freezer compartment (depending on model) door is not closed properly. There might be a thick layer of ice in the freezer compartment.	<ul style="list-style-type: none"> ■ Close the door(s). <p>The appliance will regain the required temperature after a short while.</p> <p>If a thick layer of ice has built up, the cooling system will not work efficiently and energy consumption will increase.</p> <ul style="list-style-type: none"> ■ Defrost and then clean the appliance.
	The ambient temperature is too high. The higher the ambient temperature, the longer the compressor will run for.	<ul style="list-style-type: none"> ■ See "Installation - Location" for more information.
	The appliance is not correctly installed in its housing unit.	<ul style="list-style-type: none"> ■ See "Building in the appliance".


Problem solving guide

The compressor is switching on less frequently than it should and for shorter periods of time, so the temperature in the appliance is increasing.		
Problem	Possible cause	Remedy
The temperature inside the appliance is too high.	This is not a fault.	<ul style="list-style-type: none">■ Select the correct temperature setting.■ Check the temperature again in 24 hours time.
Frozen food is starting to thaw.	<p>The room temperature is lower than the ambient temperature required for the appliance.</p> <p>Operating in a room which is too cold will cause the compressor to switch off for too long causing the freezer compartment (depending on model) to become too warm.</p>	<ul style="list-style-type: none">■ See "Installation - Location" for more information.■ Raise the temperature in the room.
Messages in the display		
Problem	Possible cause	Remedy
F0 to F9 appears in the display.	There is a fault.	<ul style="list-style-type: none">■ Call Miele Service.

Problem solving guide

Interior lighting		
Problem	Possible cause	Remedy
The interior lighting is not working.	The appliance has not been switched on.	■ Press the On/Off button.
	<p>To avoid overheating, the lighting switches itself off automatically after approx. 15 minutes if the door is left open.</p> <p>If this is not the case, then there is a fault.</p>	<p>Call Miele Service.</p> <p>The LED lighting may only be repaired or replaced by a Miele service technician.</p> <p>There are live electrical components under the cover. Danger of injury and damage to the appliance.</p> <div> <p>Do not remove the lighting 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> </div>

Problem solving guide

Other problems		
Problem	Possible cause	Remedy
Food has frozen together.	The packaging used was not dry when put into the freezer compartment.	■ Use a blunt instrument, e.g. a spoon handle or plastic scraper, to prise it apart carefully.
You cannot switch the appliance off.	The lock has been activated. The  symbol will appear in the display.	■ Deactivate the lock (see "Selecting settings - To deactivate the lock").
The external side panels of the appliance feel warm.	This is not a fault. The warmth created by the evaporator is used to prevent condensation.	This is normal and does not require attention.
The floor of the refrigerator section is wet.	The condensate drain hole is blocked.	■ Clean the condensate channel and drain hole.

Normal noises	What causes them
Brrrrr...	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.
Sssrrrrr....	On multi-zone and frost-free appliances you can sometimes just hear the movement of air circulating inside the appliance.
	On appliances with a water container, the pump makes a humming noise when water is being drawn into the water container.
Creak ...	Creaking sounds can be heard when material inside the appliance expands.

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 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 / Guarantee

In the event of any faults which you cannot remedy yourself, or if the appliance is under guarantee, please contact

– your Miele Dealer

or

– the Miele service department.

See the end of this booklet for contact details.

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

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

Please note that telephone calls may be monitored and recorded for training purposes.

N.B. A call-out charge will be applied to service visits where the problem could have been resolved as described in these instructions.

Guarantee

For further information on the appliance guarantee specific to your country please contact Miele. See the end of this booklet for contact details.

In the U.K. your appliance is guaranteed for 2 years from the date of purchase. However, you must activate your cover by calling 0845 365 6640 or registering online at www.miele.co.uk.

Testing must be carried out in accordance with the **relevant Norms and Directives**.

In addition, the following manufacturer's instructions should be observed when preparing and carrying out tests:

- **Loading plans,**
- Instructions in the **Operating and installation instructions.**

Electrical connection

Electrical connection U.K.

All electrical work should be carried out by a suitably qualified and competent person in strict accordance with current local and national safety regulations (BS 7671 in the UK).

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

Please ensure that the connection data quoted on the data plate match the household mains supply.

Connection should be made via a suitable switched socket which is easily accessible. It must not be located behind the appliance. For extra safety it is advisable to protect the appliance with a suitable residual current device (RCD).

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).

This appliance must not be connected to the inverter of an autonomous power supply, e.g. a solar power system. When switching the appliance on, a surge in power could trigger the safety cut-out mechanism. This could damage the electronic unit.

The appliance must not be used with so-called energy saving devices. These reduce the energy supply to the appliance which could then become too warm. Using such devices could alter the specification of the product.

If the connection cable has to be replaced, this must be done by a suitably qualified and competent person.

Do not plug other appliances in behind this appliance

Non-rewireable plugs (BS 1363)

The fuse cover must be re-fitted when changing the fuse, and if the fuse cover is lost, the plug must not be used until a suitable replacement is obtained. The colour of the correct replacement cover is that of the coloured insert in the base of the plug, or the colour that is embossed in words in the base of the plug (as applicable to the design of the plug fitted).

Replacement fuses should be ASTA approved to BS 1362 and have the correct rating. Replacement fuses and fuse covers may be purchased from your local electrical supplier.

WARNING
THIS APPLIANCE MUST BE
EARTHED

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

Location

This appliance 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 higher the ambient temperature of the room, the more energy the appliance requires to operate. The appliance should be installed in a dry well ventilated room.

When installing the appliance please be aware:

- The socket must be easily accessible in an emergency, not concealed behind the appliance.
- The plug and cable must not touch the rear of the appliance as they could be damaged by vibrations from the appliance.
- Do not plug in other appliances behind this appliance.

Important. In environments with high humidity condensation can build up on the exterior of the appliance. This can cause corrosion of the appliance walls. For prevention, it is advisable to install the appliance with sufficient ventilation in a dry and /or air-conditioned room. Make sure that the appliance door closes properly, the ventilation gaps are not covered and the appliance is installed in accordance with these installation instructions.

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 °C to +32 °C
N	+16 °C to +32 °C
ST	+16 °C to +38 °C
T	+16 °C to +43 °C

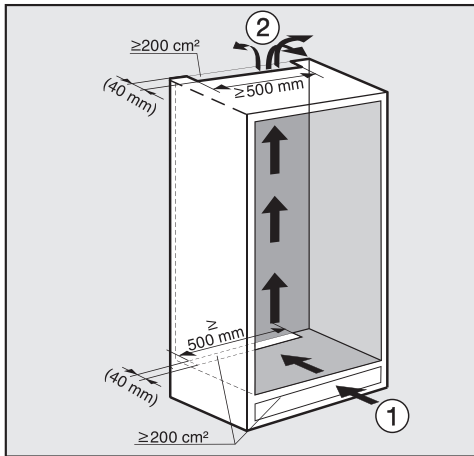
Operating in a room which is too cold will cause the compressor to switch off for too long, causing the internal temperature in the appliance to rise with the risk of food deteriorating and going off.

Installation

Ventilation

Specified ventilation gaps must be maintained. Otherwise the compressor will come on more frequently and for longer, resulting in an increase in electricity consumption and also an increase in the operating temperature of the compressor, which can damage it.

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



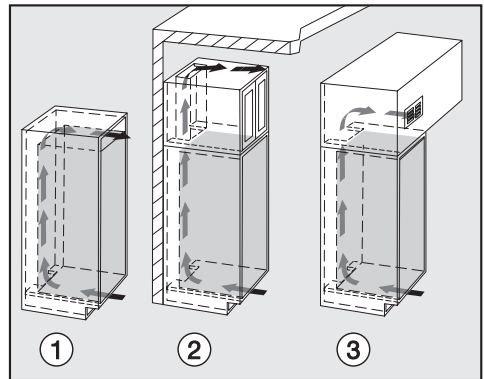
- Air is taken in through the plinth ① and exits upwards at the back of the housing unit ②.
- A ventilation gap of at least 40 mm depth must be provided behind the appliance for air to pass through.

- The cross-sectional area for ventilation in the plinth and the housing unit and also beneath the ceiling needs to be at least 200 cm² throughout to ensure that warm air can be drawn through unhindered.
- Important. The appliance uses less energy the larger the ventilation cross-section.

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

Top ventilation gap

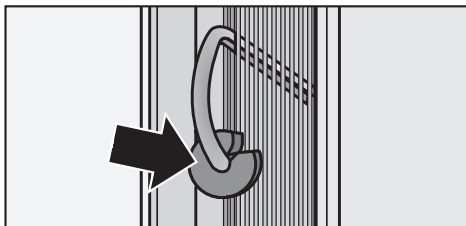
The ventilation gap at the top of the appliance can be constructed in different ways:



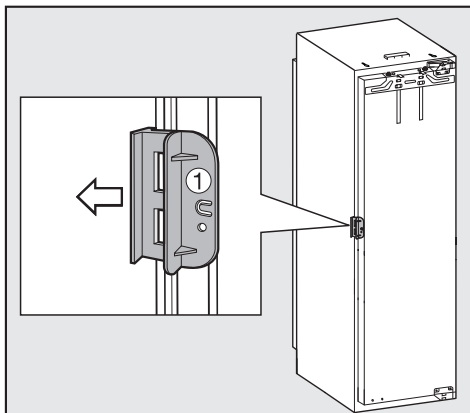
- ① directly above the appliance with a ventilation grille (free airflow of at least 200 cm²)
- ② in between the housing unit and the ceiling
- ③ through a suspended ceiling

Before installing the appliance

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



- The spacers (depending on model). These ensure the gap required between the back of the appliance and the wall is maintained.
- Depending on model, the pouches located in the metal grille (heat exchanger). They are required for the correct functioning of the appliance. The contents are not poisonous or 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.



- Open the appliance door, and remove the red safety catch ① (depending on model).

Installation

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 is now fitted to the appliance door. All the necessary parts are supplied or can be ordered from the Miele.

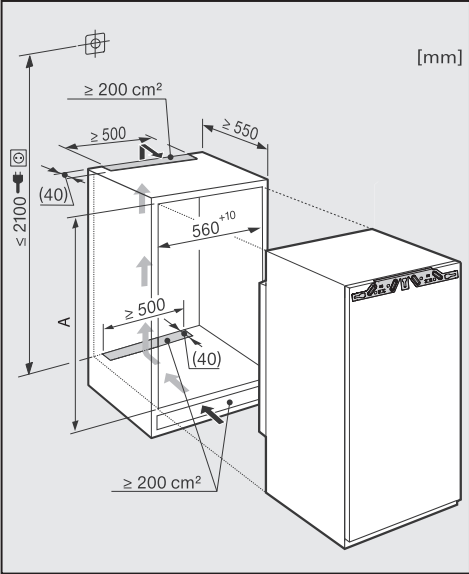
Stainless steel front panel

(depending on model)

The old door front can be replaced by a stainless steel front panel if required.

Stainless steel front panels are available to order from Miele.

Building-in dimensions



Before installing the appliance make sure the housing unit is the correct size. Specified ventilation gaps must be maintained in order to ensure that the appliance functions correctly.

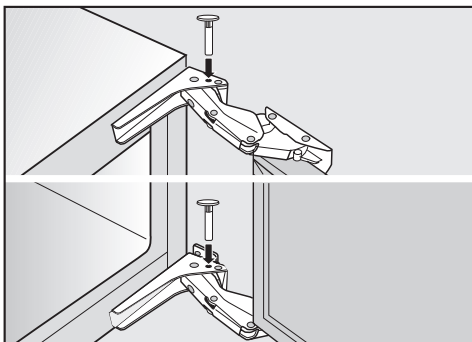
	Niche height [mm]
	A
K 32222 i	874 - 890
K 32242 iF	874 - 890
K 33222 i	1024 - 1040
K 34222 i	1220 - 1236
K 34242 iF	1220 - 1236

Adjusting the door hinges

The door hinges are set ex works to enable the door to be opened wide.

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

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



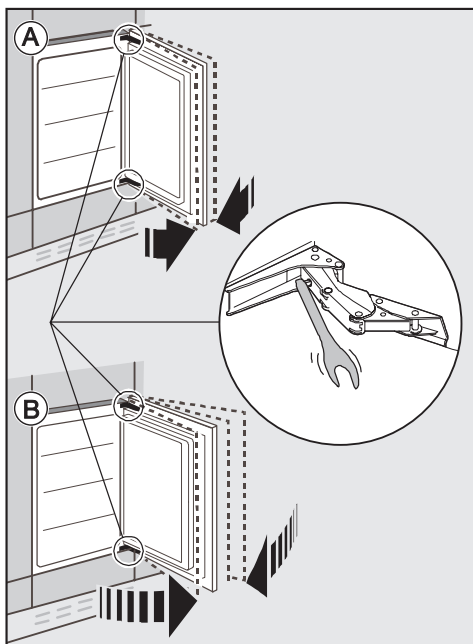
- Place the locking pins supplied for limiting the door opening into the hinges from above.

The door opening angle is now limited to 90°.

For appliances with a height of up to 1220 mm

- If you would like the appliance door to be cushioned so that it opens more softly, the spring tension on the appliance door can be adjusted.

To do this, use the allen key supplied to adjust the door hinges.



Ⓐ To reduce the opening angle:

- Turn the allen key clockwise.

This tightens the hinges and makes it harder to open the door wide.

Ⓑ To open the door fully:

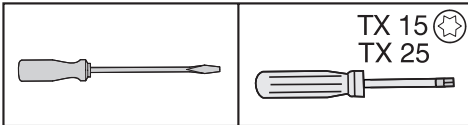
- Turn the allen key anticlockwise.

Changing the door hinging

Two people are needed for changing the door hinging.

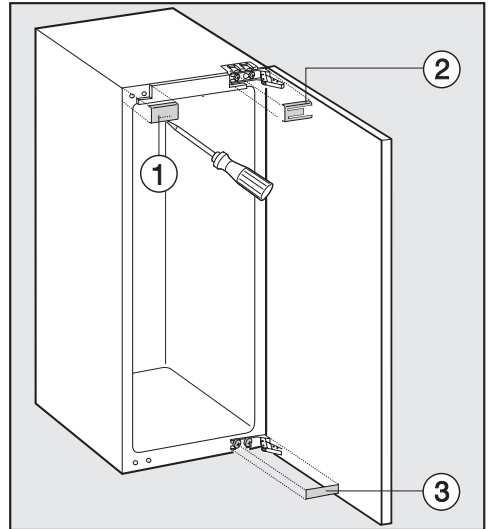
The appliance is supplied right-hand hinged. If left-hand hinging is required, the hinges must be changed:

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



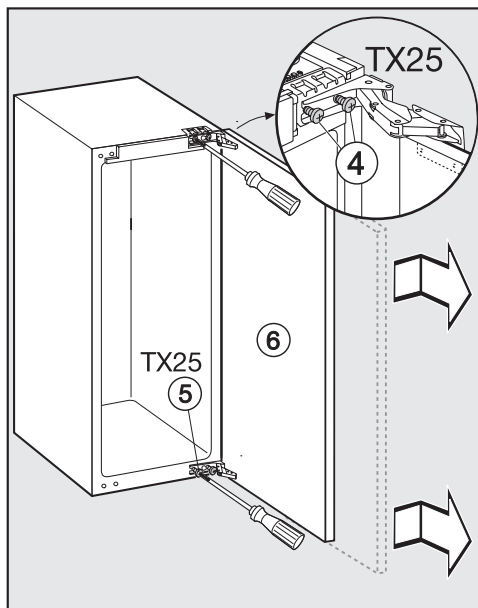
Appliance door

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

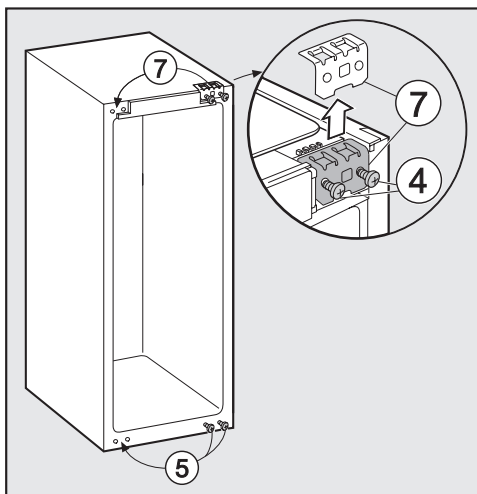


- Lift off the covers (1), (2), and (3).

Changing the door hinging

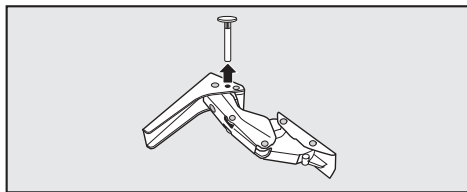


- Slightly loosen screws ④ and ⑤ on the hinges.
- Push door ⑥ outwards and take it off its hinges.



- Unscrew screws ④ completely.
- Place bracket ⑦ on the opposite side and loosely screw in screws ④.
- Unscrew 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:



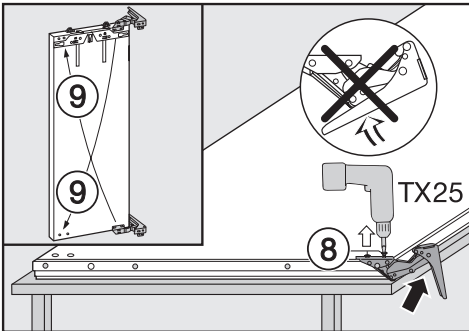
- Remove the locking pins from the top of the hinges.

Changing the door hinging

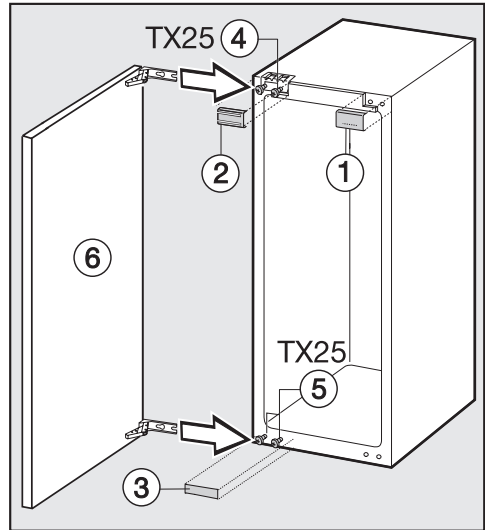
- Place the door with the outer side upwards on a stable surface.

Do not close the hinges. Danger of injury.

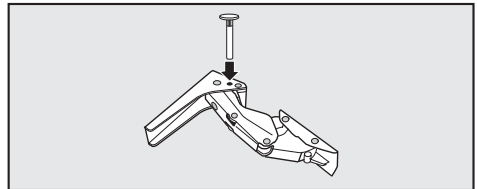
- Unscrew screws ⑧.



- Place each hinge on the diagonally opposite side ⑨.



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

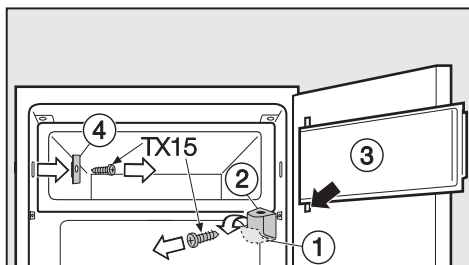


- Refit the locking pins into the top of the hinges to prevent the doors opening too far.

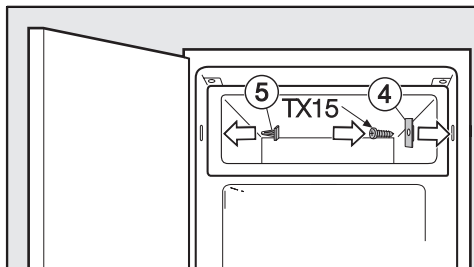
Changing the door hinging

Freezer compartment door

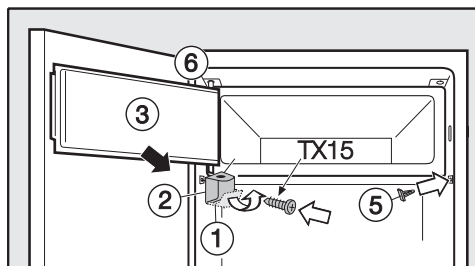
(depending on model)



- Open the compartment door ③.
- Flip the cover on bearing block ① down.
- Unscrew bearing block ② and take off the freezer compartment door ③ together with the bearing block.
- Unscrew door catch ④.



- Screw door catch ④ into place on the opposite side, having turned it by 180 °C.
- Plug the holes with stoppers ⑤ supplied.

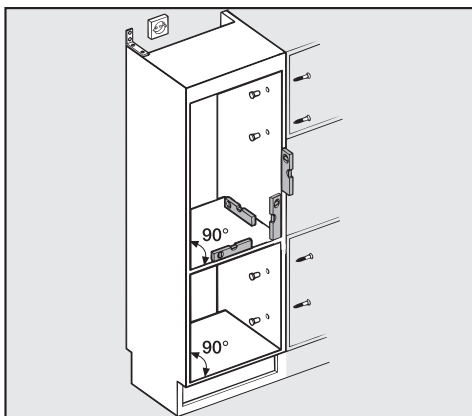


- Fit bearing block ② together with freezer compartment door ③ in position at the top ⑥, then tighten bearing block ② securely.
- Flip the cover on bearing block ① back up.

Building in the appliance

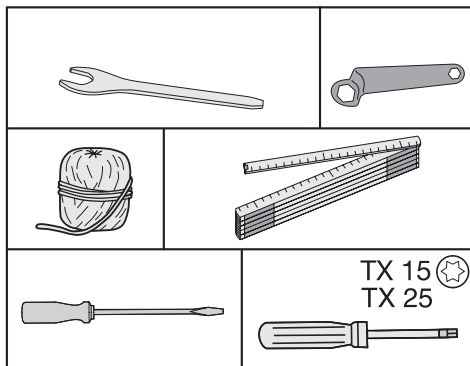
Two people are needed for installing this appliance.

- The appliance must be installed in stable and correctly aligned kitchen furniture on a level surface.
- The housing unit must be secured against the risk of tipping.



- Use a spirit level to align the housing unit.
The unit corners must be at right angles, as otherwise the furniture door will not align correctly with the 4 corners of the unit.
- The required ventilation gaps must be provided (see "Installation - Ventilation"; "Building-in dimensions").

To install the appliance you will need the following tools:

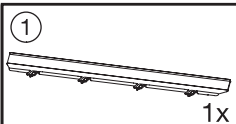
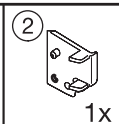
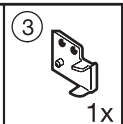
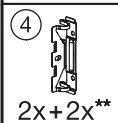
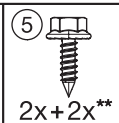
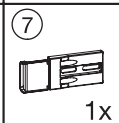
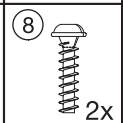
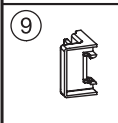
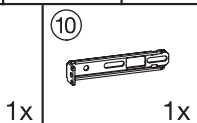
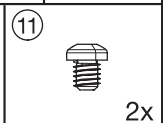
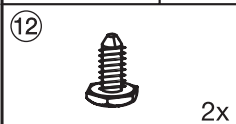
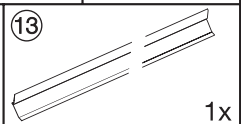
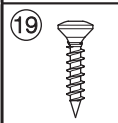
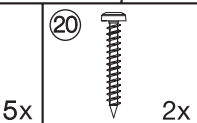
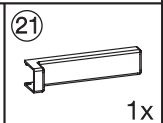
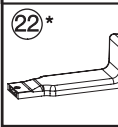
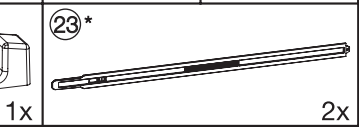


Building in the appliance

The following installation parts are required

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

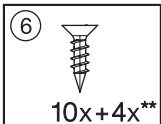
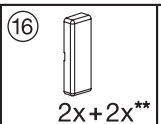
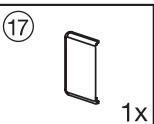
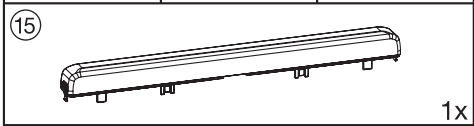
– required for installing the appliance in its housing unit:

 1x	 1x	 1x
 2x+2x**	 2x+2x**	 1x
 2x	 1x	 1x
 2x	 2x	 1x
 5x	 2x	 1x
 1x	 2x	

* these parts are only supplied with appliances for niche heights of 140 cm and above.

** depending on niche height

– required for fitting the furniture door:

 10x+4x**	 2x+2x**	 1x
 1x		

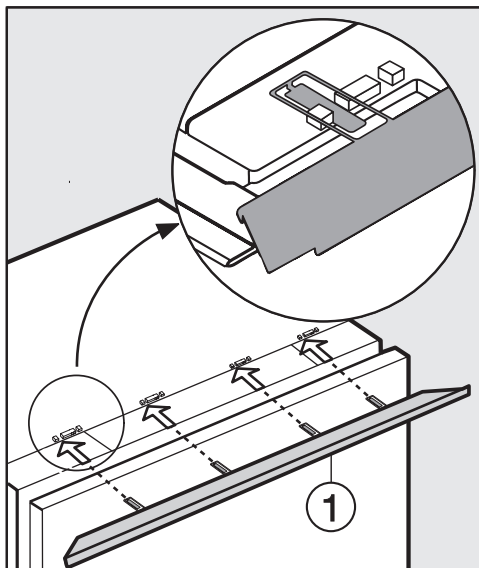
** depending on niche height

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

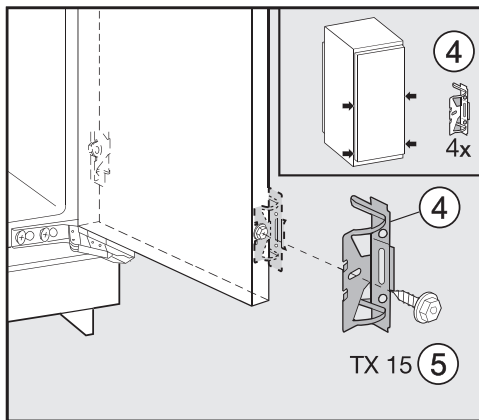
Preparing the appliance

- Position the appliance in front of the housing unit.

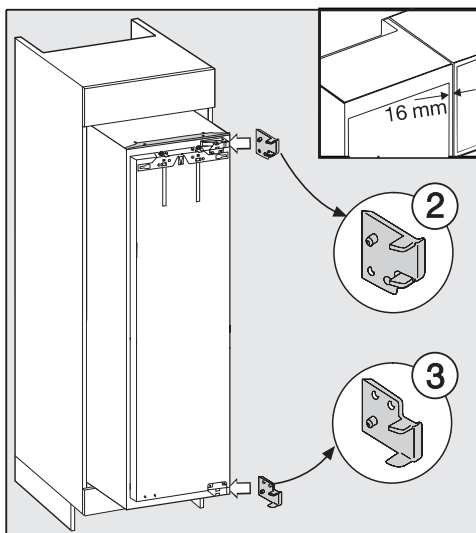
Building in the appliance



- Fit cover strip ① into position.



- Screw fixing bracket ④ using hex screw ⑤ to the pre-drilled holes in the appliance door.
Attach a second pair of fixing brackets ④ in the handle region of the door. Use the pre-drilled holes in the appliance 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.

Tip to help you push it into position:

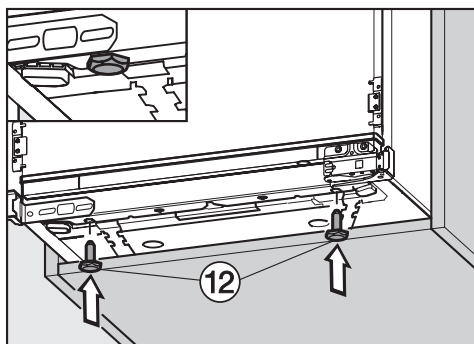
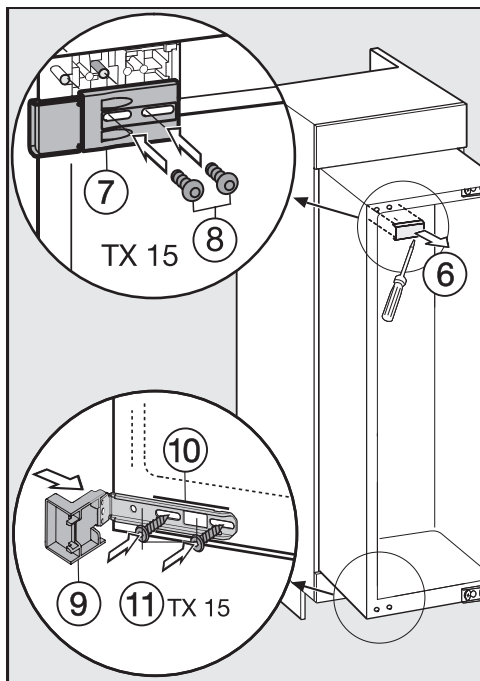
Secure a length of string to the plug to "increase" the length of the connection cable.

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.

With 16 mm thick unit walls:

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

Building in the appliance

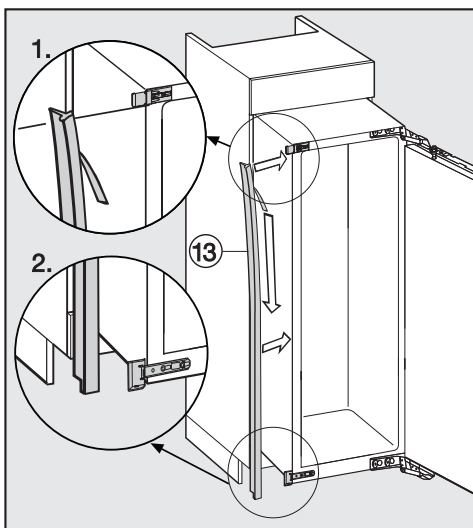


- Screw in adjustable feet ⑫ completely.

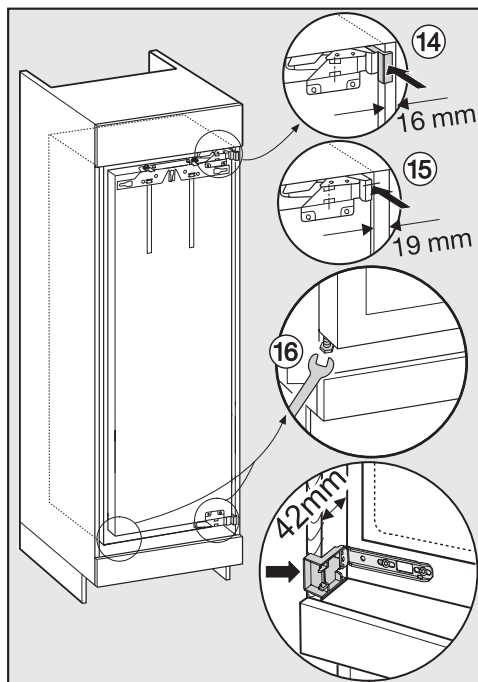
- Remove cover ⑥.
- Secure part ⑦ using screws ⑧ loosely into the top left-hand side of the appliance. Do not tighten the screws so that you can adjust the position of this part.
- Fit stopper ⑨ onto fixing bracket ⑩.
- Screw fixing bracket ⑩ using screws ⑪ loosely into the bottom of the appliance. Do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

Building in the appliance

- Push the appliance into the niche until the fixing brackets at all four corners are in line with the front edge of the furniture side wall.



- Carefully remove the protective foil from sealing strip ⑬.
- Fix 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.



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

Building in the appliance

- Check the position of the fixing bracket at the top and bottom front edge of the furniture side wall again.

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 dimension of the door fitting to keep the gap at 42 mm all round.

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

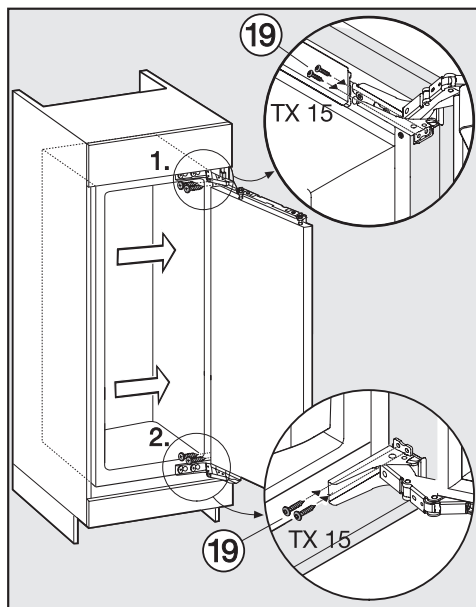
Tip: Remove the door fittings. This will ensure that the door is flush with the surrounding kitchen unit furniture doors.

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

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

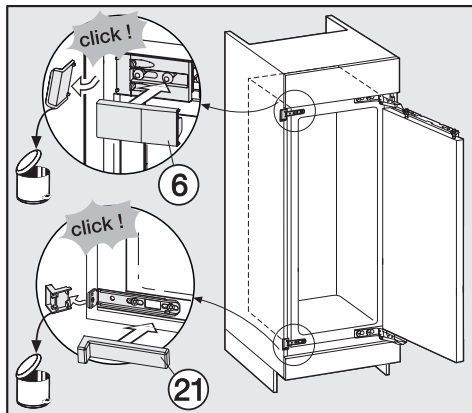
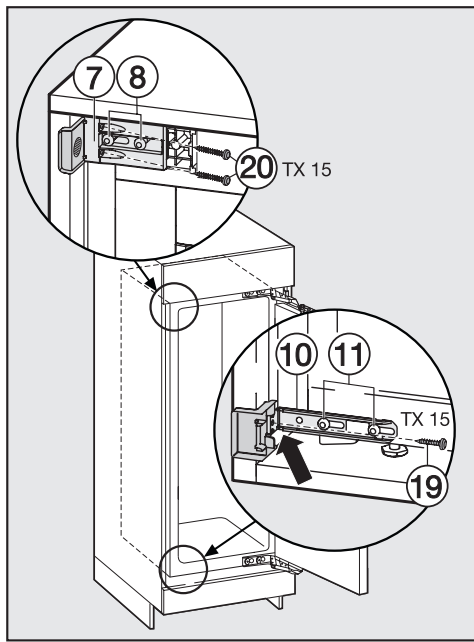
This can cause ice to build up, condensate to accumulate and lead to faults in the appliance. These can all lead to increased energy consumption.

Securing the appliance in the niche



- Press the appliance against the side of the housing unit on the hinge side.
- Secure the appliance in the housing unit by screwing chip board screws ⑰ through the tabs on the hinges at the top and bottom of the appliance.

Building in the appliance



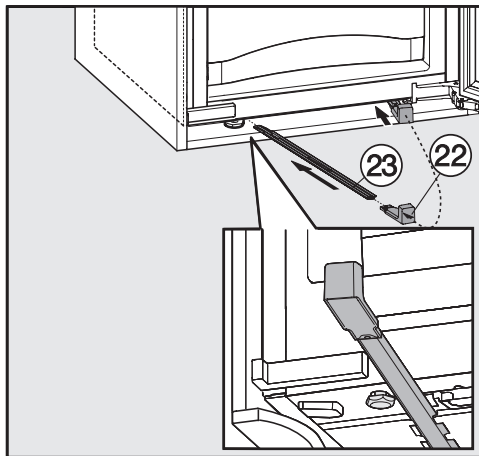
- Push the loose bracket up against the furniture wall.
- Attach fixing bracket ⑩ to the housing unit side wall with screw ⑲. Drill holes in the housing unit side walls if necessary.
- Secure fixing bracket ⑦ to the housing unit side wall with screws ②①. Drill holes in the housing unit side walls if 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.
- Retighten screws ⑧ and ⑪.

- Snap off any protruding ends from the fixing bracket. They are no longer required.
- Replace covers ⑥ and ②① on the fixing brackets.

Building in the appliance

Niche height 140 cm and above

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



- Then secure handle 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 at least 16 mm thick and not exceed 19 mm thick.

The following gap dimensions must be maintained:

- The gap between the furniture door and a unit door above must be at least 3 mm.
- The vertical gap between furniture doors should also be about 3 mm. The exact dimension will vary depending on the radius of the furniture door edges.

If fitted in a run of units make sure that the top edge of the furniture door is at the same height as neighbouring unit doors.

The furniture door must be fitted correctly and not under tension.

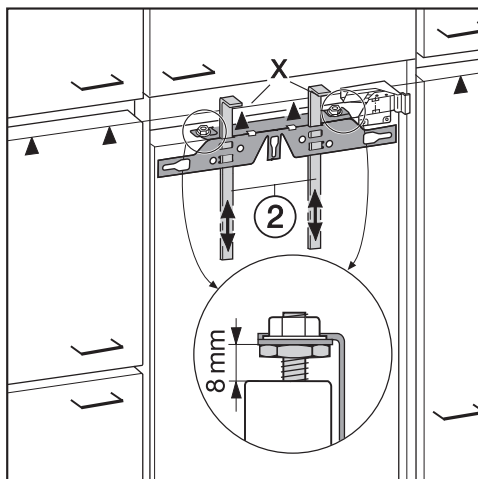
Fitting a door front which is heavier than the maximum permitted could damage the hinges. This can cause subsequent functional problems.

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

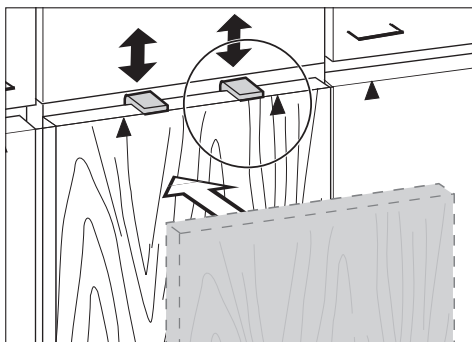
Appliance	Maximum weight of furniture door in kg
K 32222 i	17
K 32242 iF	17
K 33222 i	17
K 34222 i	17
K 34242 iF	17

When fitting large or divided furniture doors an extra fitting kit or set of fixing brackets should be used. These are available to order from Miele.

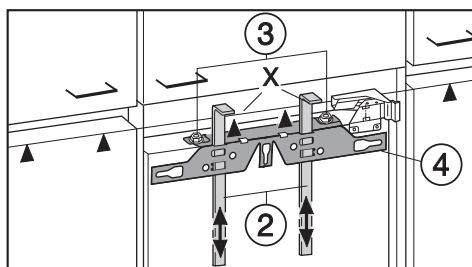
Building in the appliance



- 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 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 ▲ on the diagram).



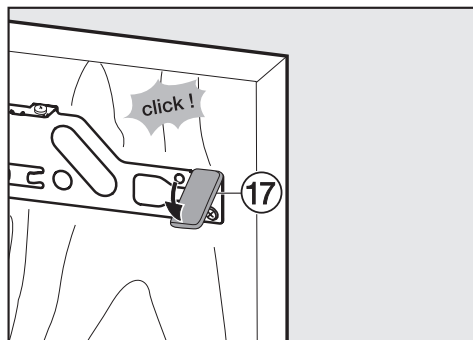
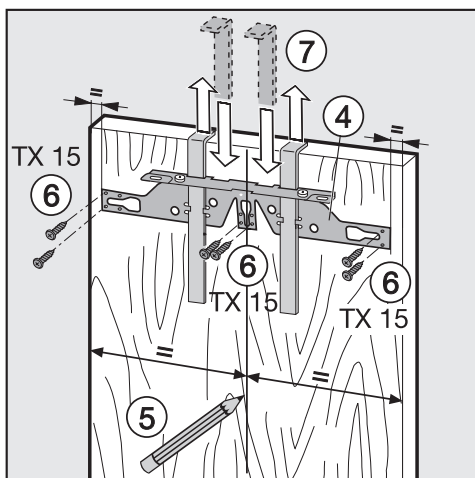
Tip: Push fitting aids ② together with the furniture front up to the height adjoining unit furniture doors.



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

Building in the appliance

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

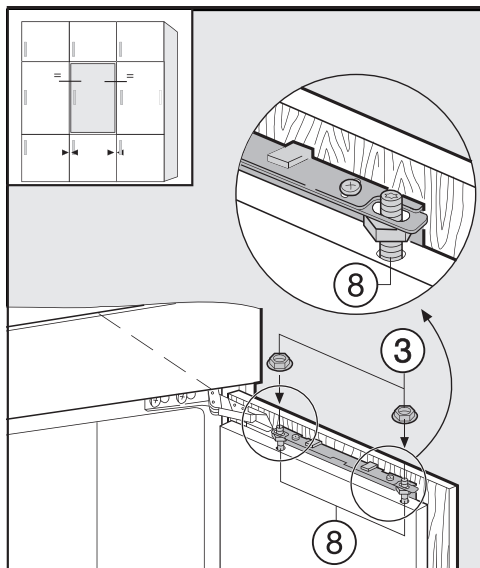


- Using a pencil, lightly mark a line down the centre of the inside of the furniture door ⑤.
- Position fixing bracket ④ with the fitting aids onto the **inside** of the furniture door. Align the fixing bracket centrally.
- Attach the fixing bracket securely using at least 6 short chipboard screws ⑥. (On cassette doors only use 4 screws on the edges). Drill holes in the furniture door if necessary.
- Pull the fitting aids upwards to remove them ⑦.
Turn them around and fit them into the middle slots of the fixing bracket for safe keeping.

- Fit the side cover ⑰ over the fixing bracket on the hinge side.
- Turn the furniture door over and fix the handle if required.

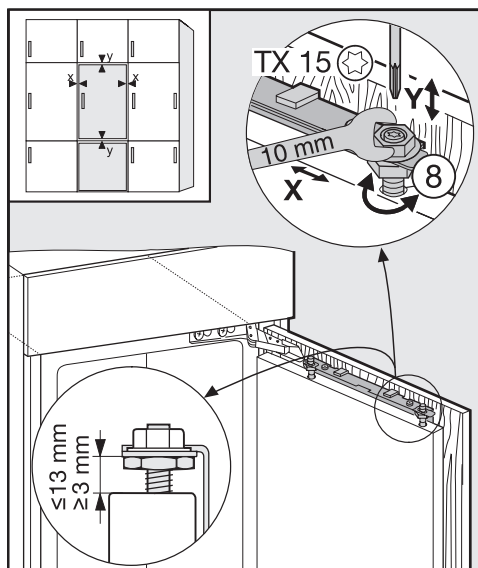
Building in the appliance

- Open the appliance door.



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

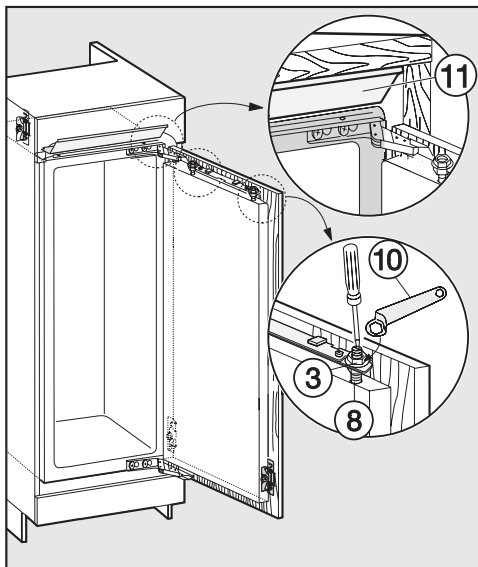
Aligning the door



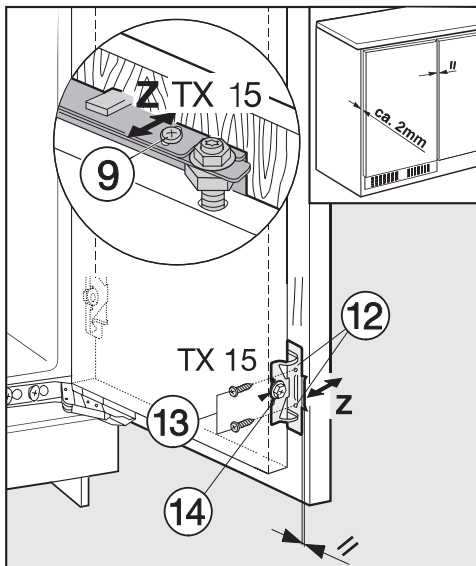
- **Side adjustments (X)**
- Slide the furniture door.
- **Height adjustment (Y)**
- Use a screwdriver to adjust bolts (8).

A gap of 8 mm is set ex-works between the appliance door and the fixing bracket. This must only be adjusted within its permitted range.

Building in the appliance



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



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

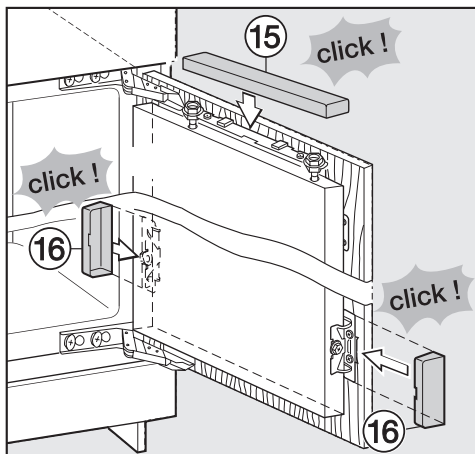
Aligning the door

– Depth adjustment (Z)

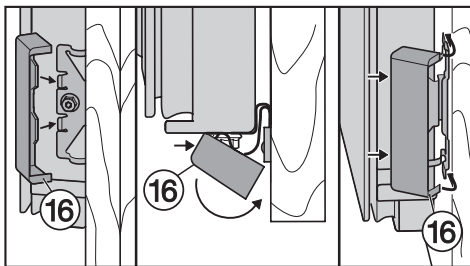
- Loosen screws ⑨ at the top of the appliance door, and screw ⑭ at the bottom of the fixing bracket. By moving the furniture door, create a gap of 2 mm between the furniture door and the housing unit.

Building in the appliance

- Tighten all screws again.



- Replace top cover ⑮, and click it into place.



- Replace side covers ⑯, making sure you hear them click into place.

To make sure the appliance is correctly fitted:

- The doors must close properly.
 - The doors 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. Turn the lights out in the room. If you can see any light shining out from the sides double check the installation.

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K 32222 i, K 32242 iF, K 33222 i, K 34222 i, K 34242 iF