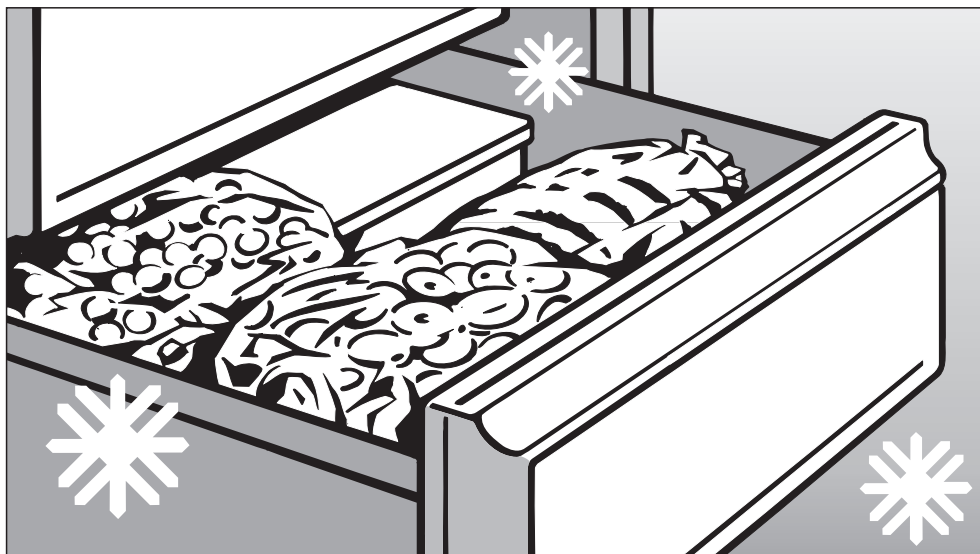


Operating and installation instructions



Frost-free freezer

FN 12221 S

FN 12421 S

FN 12621 S

FN 12821 S

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.

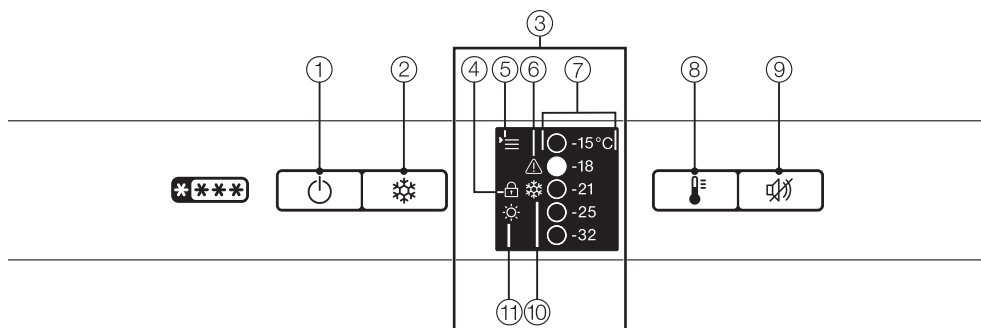
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Guide to the appliance



① On/Off button

② Super freeze button

③ Display

If the appliance is not operated for some time, the display will revert automatically to the brightness level which has been set.

As soon as a button is pressed the display will light up at the brightest setting.

④ Lock symbol

⑤ Menu symbol

Setting mode for:

- the brightness level of the display
- switching the lock on/off

⑥ Alarm symbol

⑦ Temperature display

⑧ Temperature selector button

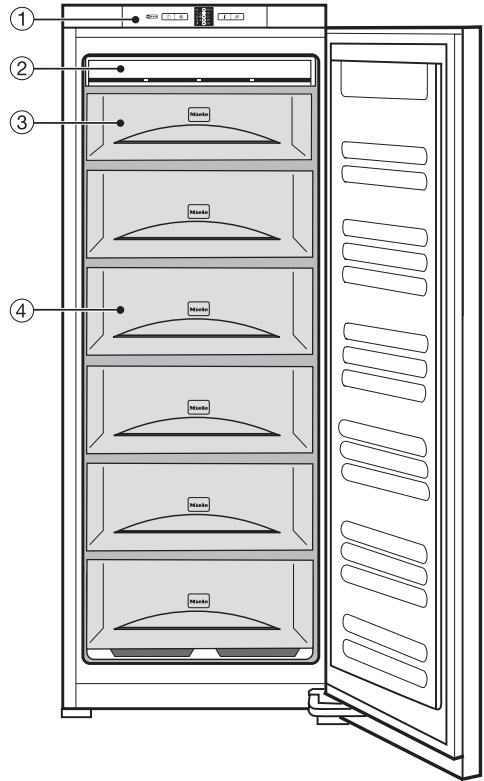
⑨ Alarm off button

⑩ Super freeze symbol

⑪ Brightness symbol

Guide to the appliance

- ① Control panel
- ② Frost-free system
- ③ Top freezer drawer, can be used as a freezer tray
- ④ Freezer drawers (number will depend on model)



Caring for the environment

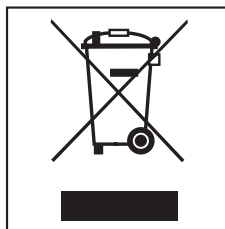
Disposal of the packing material

The transport and protective packing has been selected from materials which are environmentally friendly for disposal, and should 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!

Disposal 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 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 relevant 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 installation, safety, operation and maintenance.

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

Correct application

► This appliance is not designed for commercial use. It is intended for use in domestic households and in similar working and residential environments such as:

- Shops
- Offices and showrooms

and by residents in establishments such as:

- Hostels and guest houses.

The appliance is not intended for outdoor use.

It must only be used as a domestic appliance to store deep frozen food, to freeze fresh food and to prepare ice.

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

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

Safety with children

► Children 8 years and older may use the appliance only if they have been shown how to use it in a safe way and understand the hazards involved.

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

► This appliance is not a toy! To prevent the risk of injury, do not allow children to play with it or near it or to play with the controls, or to swing on the door.

Warning and Safety instructions

Technical safety

► Before setting up the appliance, check it for any externally visible damage. Do not install and use a damaged appliance. It could be 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.



R600a

► 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 the Service Department 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 to the mains supply, make sure that the connection data on the data plate corresponds to the voltage and frequency of the household 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 adapter 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 if correctly earthed. It is most important that this basic safety requirement is observed and regularly tested 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 guarantee, repairs should only be undertaken by a service technician authorised by the manufacturer. Otherwise the guarantee will be invalidated.
- ▶ The appliance must be isolated from the electricity supply during installation, maintenance and repair work.
- ▶ 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.
- ▶ This appliance must not be used in a non-stationary location (e.g. on a ship).
- ▶ 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 guarantee.

Warning and Safety instructions

Correct use

► This 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 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.

► 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.

► 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. Danger of injury and damage.

► 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 manufacturer's 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.

Warning and Safety instructions

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

- 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.

► Never place electric heaters or candles in the appliance to defrost it. These can damage the plastic parts.

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

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

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

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 site | 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. |
| | Do not cover the ventilation gaps and dust them regularly. | |
| 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). | Larder 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 | 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. | Frequent opening of the door for long periods will cause a loss of coldness. |
| | Store food 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. | Hot food will cause the compressor to run for a long time, as the appliance will have to work harder to reduce 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 over-fill the appliance to allow air to circulate. | |
| Defrosting | Defrost the freezer section when a layer of ice 0.5 cm thick (maximum) has built up. | A layer of ice hinders the cold from reaching the frozen food, and increases energy consumption. |


Before using for the first time

- Clean the inside of the appliance and the accessories with lukewarm water and a little washing-up liquid, and then dry with a soft cloth.

Switching on



- Press the On/Off button.

The temperature display and the alarm symbol  will flash until the temperature in the freezer is cold enough.

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

Switching off



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

The cooling system is switched 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,
- disconnect it from the mains,
- clean the appliance out and
- leave the door ajar to air it.


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.

Customising settings

Settings mode

Certain settings on the appliance can be changed using Settings mode.

- The Lock  can be activated and deactivated
- The brightness of the display  can be altered

Settings mode is represented in the display by the Menu symbol . The following section describes how to access Settings mode and alter settings.



Altering the brightness of the display

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

There are five different display brightness settings. The factory default setting is 1.





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

The Menu symbol  will light up; Settings mode is now activated. The Lock symbol  will start flashing.




- Press the temperature selector button to call up the Brightness function.

The Lock symbol  will go out and the Brightness symbol  will start flashing.



- Press the Super freeze button briefly to confirm this.

The Brightness symbol  will light up.



- Press the Temperature button repeatedly until the brightness level required is reached.

The more fields of the temperature display which light up, the brighter the display.

To confirm the altered setting:



- Press the Super freeze button briefly.

The Brightness symbol ☼ will flash.
The newly selected setting has been saved.

To come out of Settings mode:



- Press the On/Off button.

or

- Wait for 5 minutes.

The Menu and Brightness symbols will go out.
The temperature display will show the required temperature.

Activating or deactivating the Lock

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

– To activate the Lock



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

The Menu symbol ≡ will light up;
Settings mode is now activated. The Lock symbol 🔒 will start flashing.



- Press the Super freeze button briefly to call up the Lock function.

The Lock symbol 🔒 will light up.
The -15 °C and -21 °C fields will light up in the temperature display.



- Press the Super freeze button briefly to switch the Lock function on.

The Lock symbol 🔒 will start flashing.
The -15 °C and -21 °C fields in the temperature display will go out.

Customising settings

To come out of Settings mode:



- Press the On/Off button.

or

- Wait for 5 minutes.



The Menu symbol will go out and the temperature display will show the required temperature.

The Lock symbol  will light up.

– To deactivate the Lock




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

The Menu symbol  will light up; Settings mode is now activated. The Lock symbol  will start flashing.




- Press the Super freeze button briefly to call up the Lock function.

The Lock symbol  will light up. The -18 °C field will light up in the temperature display.



- Press the Super freeze button briefly to deactivate the Lock function.

The Lock symbol  will start flashing.

The -18 °C field in the temperature display will go out.

To come out of Settings mode:




- Press the On/Off button.

or

- Wait for 5 minutes.

The Menu symbol will go out and the temperature display will show the required temperature.

The Lock symbol  is no longer lit up.

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

The first time the temperature selector button is pressed, the last temperature set will flash in the display.

With each subsequent press the temperature value will change up until the setting for -32 °C is reached. It will then drop back to the -15 °C setting again.

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

- Press the temperature selector button repeatedly until the indicator for -15 °C lights up.
- Press the temperature selector button again for approx. 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 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 appliance cannot rise unnoticed and to avoid energy being wasted if the door is left open.


Activating the alarm system

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

Temperature alarm

If the temperature in the freezer becomes too warm, an alarm will sound. At the same time the temperature display and the Alarm symbol  will flash.

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 temperature display and the Alarm symbol  may flash,

- when freezing large amounts of food at once,
- when fresh food is being frozen,
- if a lot of room air enters the freezer when food is being loaded, re-arranged or taken out,
- in the event of a power cut,
- if the appliance has a fault.

The alarm will stop, the Alarm symbol will go out and the field next to the set temperature will light up constantly as soon as the temperature has dropped down to the correct level again.

However, if the temperature in the freezer remains above -18 °C for a long time, check that the frozen food has not started to defrost. If it has, check that 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.

Door alarm

If the door has been left open for more than approx. 60 seconds the alarm will sound.


Switching the alarm off early

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



- Press the Alarm off button.

The alarm will stop.

In the case of a temperature alarm, the Alarm symbol  will stay on until the correct temperature has been reached. The alarm system is then ready should it be needed again.

Super freeze

For optimum results switch on the Super freeze function before putting fresh food into the freezer.

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

Super freeze is not necessary:

- when placing food in the freezer that is already frozen.
- when freezing up to 2 kg fresh food in any one day.

Switching on Super freeze

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



- Press the Super freeze button briefly.

The Super freeze symbol ❄️ will light up.

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

Switching off Super freeze

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

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 DIN EN ISO 15502 Standard.

Freezing fresh food

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

Food which takes a long time to freeze will lose more water from its cells, which then shrink.

During the defrosting process, only some of this water is reabsorbed by the cells; the rest collects around the food.

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.

Isolation plate

(depending on model, available as an optional accessory)

The isolation plate is used to isolate freezer drawers which you do not wish to use, and thus save energy. It should be used if only small amounts of food are being stored in the freezer.

Important

- At least 3 freezer drawers as well as the freezer tray must be used for freezing food.

Other drawers can be isolated if they are not needed. If you do you must isolate at least the two bottom drawers.

- The drawers being used for freezing must always be at the top of the freezer.
- The isolation plate must be fitted **below** the lowest drawer in which food is being frozen.
- The fewer drawers you use, the more energy you will save. Using the isolation plate increases energy savings considerably.

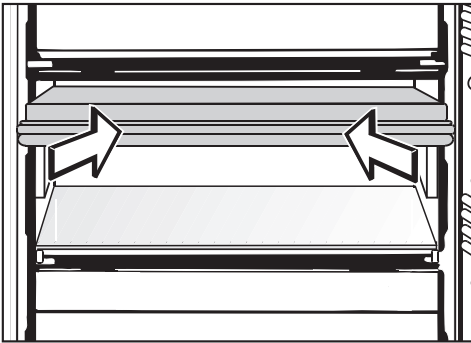
Freezing and storing food

Do not store food in the "inactive" drawers. The temperature is not controlled in these drawers and food stored in them would soon deteriorate.

Example

If you only require 3 freezer drawers as well as the freezer tray for storing frozen food:

- Place food in the top 3 freezer drawers, leaving the other drawers empty.
- Remove the fourth drawer and keep it somewhere else.



- Slide the isolation plate in **underneath** the third drawer.

This "switches off" (isolates) the drawers below.

Storing frozen food

When buying frozen food to store in your freezer, 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 as soon as possible.

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

Home freezing

Only freeze fresh food which is in a good condition.

Hints on home freezing

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

Packaging

- Freeze food in portions.

Unsuitable packaging material

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

Suitable packaging 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 Super freeze function for some time before placing the food in the freezer (see "Super freeze").

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

Placing food in the freezer

The following maximum capacities must be observed:

- top freezer drawer = 15 kg
- all other freezer drawers = 25 kg
- glass cold plate = 35 kg

Food to be frozen must on no account touch food which is already frozen to avoid partial thawing.

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

– Freezing small portions

Place the food in the lower freezer drawers.

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

Please note that when removing drawers, the lowest freezer drawer must always remain in the freezer. When placing food on the glass cold plate make sure it does not obstruct the ventilation gaps at the back. This is important for problem-free operation and normal energy consumption

– Freezing the maximum amount (see data plate)

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

– 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.

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

Freezing and storing food

Defrosting

Frozen food can be defrosted in different ways:

- in a microwave oven,
- in an oven using the "Fan" or "Defrost" setting,
- at room temperature,
- in the refrigerator (the cold given off by the frozen food helps to keep 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.

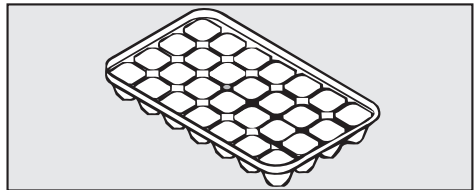
Ensure that **meat and fish** (e.g mince, chicken, fish fillets) do not come into contact with other foods when thawing. Collect the liquid and dispose of it carefully.

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.

Ice cubes



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

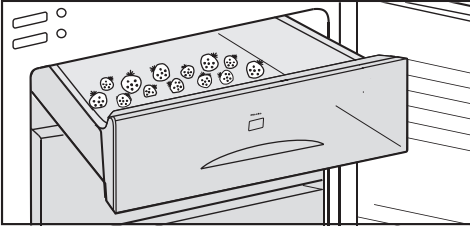
Do not store cans or bottles containing carbonated drinks or liquids which could freeze in the freezer. The cans or bottles could explode.

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

Freezing and storing food

Freezer tray

The freezer tray is useful for freezing small items such as berries 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 settles on the condensor and is automatically dissipated from time to time.

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

Cleaning and care

A range of Miele cleaning and conditioning agents is available to order from Miele or via the internet at www.miele-shop.com.

Make sure that water cannot get into the electronic unit or into the ventilation gaps.

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 surface 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 the appliance off.
- Disconnect it from the mains.
- Take any frozen food out of the appliance and store it in a cool place.
- Take the freezer drawers and the glass cold plates out of the freezer to clean them.

Cleaning the interior and accessories

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

The ice tray (depending on model) is dishwasher safe.

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.

- Clean the drawers and glass cold plates by hand. These are **not** suitable for cleaning in a dishwasher.
- 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.

Appliance door, side panels

Remove any soiling on the appliance door and side panels immediately.

If this is not done, it might become impossible to remove and could cause the surface to alter or discolour.

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

- The surfaces should be cleaned using a solution of hot water and a little washing-up liquid applied with a soft sponge. They can also be cleaned with a damp microfibre cloth (without using any cleaning agent).
- After cleaning, wipe with a damp cloth and dry with a soft cloth.

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.

Metal grille at the back of the appliance

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

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

Problem solving guide

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


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.

| Problem | Possible cause | Remedy |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| The appliance does not cool. | The appliance has not been switched on. The temperature display is not lit up. | ■ Press the On/Off button. |
| | The plug is not inserted in the socket correctly. | ■ Insert the plug in the socket correctly. |
| | 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 door cannot be opened several times in succession. | The suction caused by opening and closing the door several times in succession is preventing it from opening. Wait a few minutes and then try again. It should now open without force. | |



Problem solving guide

| Problem | Possible cause | Remedy |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The temperature inside the appliance is too low. | | <ul style="list-style-type: none"> ■ Set a warmer temperature. |
| | The Super freeze function is still switched on. It will switch itself off automatically after approx. 65 hours. | <p>You can switch off the Super freeze function earlier to save energy:</p> <ul style="list-style-type: none"> ■ Press the Super freeze button. |
| The appliance is switching in too frequently or for too long. | The ventilation gaps have been covered over or become dusty. | <ul style="list-style-type: none"> ■ Do not cover or block the ventilation gaps. ■ Dust the ventilation gaps and the heat exchanger regularly. |
| | The metal grille (heat exchanger) at the rear of the appliance has become dusty. | |
| | The door has been opened too frequently, or a large amount of fresh food has been put in at once for freezing. | <p>Only open the door when necessary and for as short a time as possible. The required temperature will re-establish itself after a while.</p> <ul style="list-style-type: none"> ■ See "The correct temperature" for more information. |
| | The door cannot be closed correctly. | |
| | <p>The ambient temperature is too high.</p> <p>The higher the ambient temperature, the longer the compressor will run for.</p> | <ul style="list-style-type: none"> ■ See "Installation - Location" for more information. |

Problem solving guide

| Problem | Possible cause | Remedy |
|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| The compressor runs continuously. | To save energy, the compressor runs at a lower speed, but for longer, when less cooling is required. | |
| The Super freeze symbol ❄ and the temperature display are flashing. | There is a fault. | ■ Call Miele Service. |
| The  symbol lights up. | Demo mode has been activated. 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! | ■ Deactivate Demo mode (see "Information for dealers - Demo mode"). |

Problem solving guide

| Problem | Possible cause | Remedy |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The alarm sounds and the Alarm symbol  flashes. | <p>The temperature inside the appliance is too low.</p> <ul style="list-style-type: none"> – The door has been opened too frequently. – A large amount of fresh food has been put in at once for freezing without switching on the Super freeze function. – There has been a lengthy interruption to the power supply. | <p>The alarm will stop and the Alarm symbol  will go out when the temperature reaches the correct level again.</p> <p>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.</p> |
| There is a build-up of frost on the front panel of the frost-free system. | <p>This is not a fault. Droplets of condensate have settled on it and frozen. This may have been caused by one of the following:</p> <ul style="list-style-type: none"> – The door has been opened too frequently or left open for a while. – A large quantity of fresh food has been placed in the freezer at once. – There has been an increase in the humidity in the room. | <p>Keep the door closed as much as possible so that the frost-free system has a chance to melt the ice droplets automatically. This may take several days.</p> |
| Food has frozen together. | | <p>■ Use a blunt instrument, e.g. a spoon handle or plastic scraper, to prise it apart carefully.</p> |

Noises

| 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. | |
| 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. |

In the event of a fault which you cannot correct yourself, or if the appliance is under guarantee, please contact:

- your Miele Dealer

or

- Miele
(see back cover 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 your appliance.

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

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

Guarantee

For information on the appliance guarantee specific to your country please contact Miele. See back cover 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.

Information for dealers



Demo mode

The appliance can be demonstrated in the showroom or at exhibitions in "Demo mode". In this mode the interior lighting, the display and the controls are functioning but the compressor remains switched off.



Demo mode is represented in the display by the  symbol.

To activate Demo mode


- Press the On/Off button.
- Press the On/Off button and the Temperature button at the same time for approx. 5 seconds.

The Menu symbol  and the Super freeze symbol  will flash.

- Press the Temperature button repeatedly until the -25 °C field lights up in the temperature display.

The Menu symbol  and the Super freeze symbol  will flash.



- Press the Super freeze button.

Demo mode has now been activated. The  symbol and the -18 °C field of the temperature display will light up.


If Demo mode is activated and the appliance is then switched off and back on again, all fields of the temperature display will light up for a short time. Demo mode remains activated.

To deactivate Demo mode

- Press the On/Off button and the Temperature button at the same time for approx. 5 seconds.

The Menu symbol , the Super freeze symbol  and the -25 °C field of the temperature display will flash.

- Press the Super freeze button.

The  symbol will go out and the field for the temperature set will light up or flash (if the temperature set has not yet been reached) in the temperature display.

- Press the On/Off button.

Demo mode has now been deactivated.

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. 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.

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

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 must not be installed directly next to another refrigerator or freezer.
It does not have side-wall heating, so installation next to another refrigerator or freezer could cause a build-up of condensation between them.
Further information is available from your dealer.

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.

Climate range

This 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 cooling system to switch off for too long, causing the internal temperature in the appliance to rise.

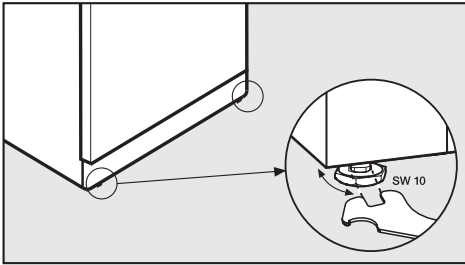
Ventilation

Air at the back of the appliance gets warm. To ensure sufficient ventilation, the ventilation gaps 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.

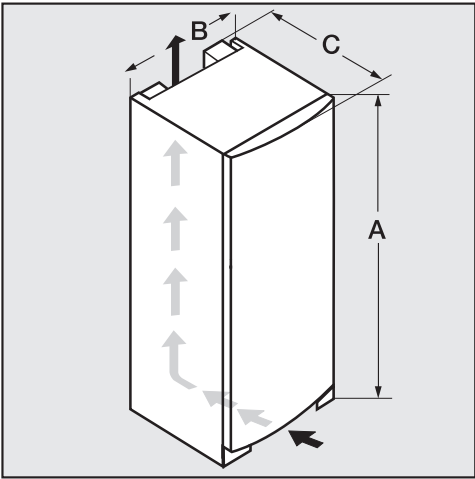
Aligning the appliance



- To align the appliance, adjust the feet using a suitable spanner.

Installation

Appliance dimensions



| | A | B | C |
|-------------------|---------|--------|--------|
| FN 12221 S | 1250 mm | 600 mm | 630 mm |
| FN 12421 S | 1450 mm | 600 mm | 630 mm |
| FN 12621 S | 1640 mm | 600 mm | 630 mm |
| FN 12821 S | 1840 mm | 600 mm | 630 mm |

Changing the door hinging

The appliance is supplied right-hand hinged. If left-hand door hinging is required, follow the instructions below.

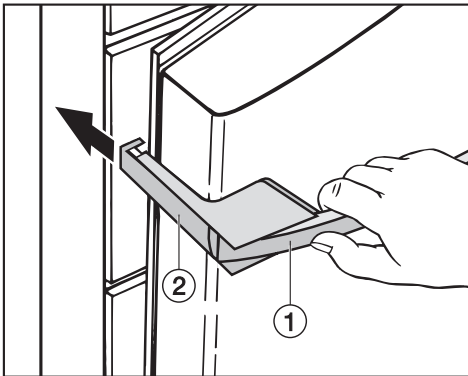
You will also need the following:

- Torx[®] 15 and 25 screwdrivers,
- a flat-bladed screwdriver
- spanner

Two people are needed for changing the door hinging.

The hinge parts (hinge plate and hinge pin) must be sufficiently tightened otherwise the appliance door could fall off. Danger of injury. Also the door may not close fully, which would prevent the appliance from cooling down properly. Take care to secure the hinge plate and pin tightly. Check all screws and tighten them if necessary.

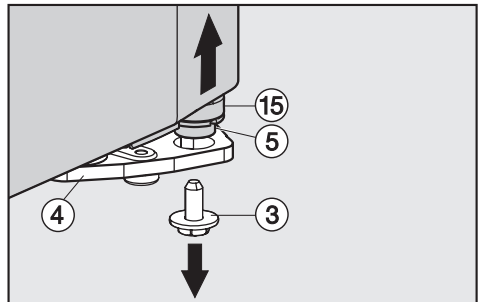
Removing the door handle



- 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.
- Undo the 4 screws (Torx[®] 15) in the mounting plate, and remove the handle.
- Remove the cover caps from the opposite side, and fit them into the empty holes.

Changing over the door

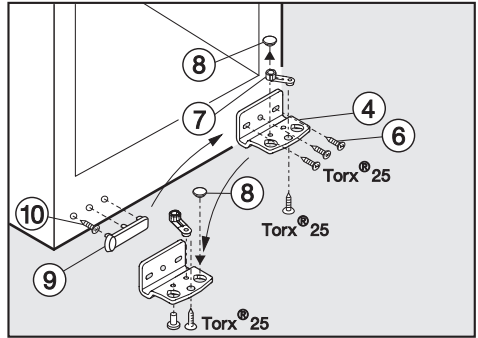
Caution. The door is not secure as soon as the hinge pin is removed.



- With the help of another person, carefully tilt the appliance backwards and pull retaining screw ③ out of the lower right hinge plate ④.

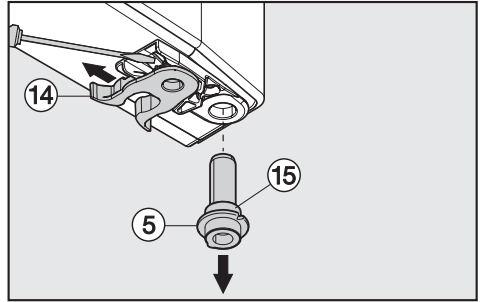
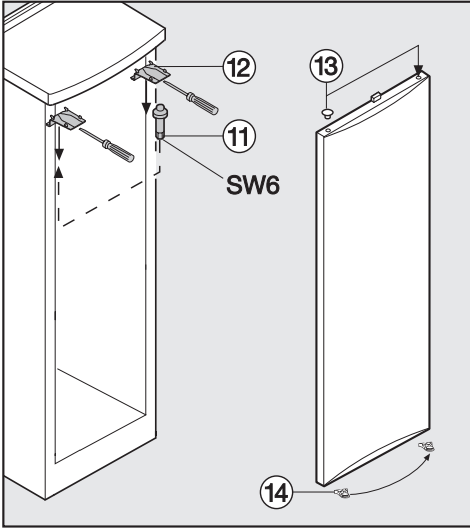
Changing the door hinging

- Open the door.
- Holding the door at the bottom and on the handle side, carefully lift it upwards and off.
This will release hinge pin ⑤ with washer ⑮ out of hinge plate ④. If it does not release:
- Press hinge pin ⑤ with washer ⑮ out of the hinge plate from below.



- Undo screws ⑥ and take hinge plate ④ off.
- Undo the screw of hinge part ⑦ on hinge plate ④ slightly. Fit it into the hole opposite in hinge plate ④ and tighten up the screw.
- Remove plug ⑧ and place it in the opposite hole in the hinge plate.
- Remove cover ⑨.
- Unscrew and remove screw ⑩ and refit it into the outer hole of the opposite side.
- Turn cover ⑨ through 180°, and fit it into the holes on the other side.
- Screw hinge plate ④ into position on the opposite side using the two **outer** long slots only. Do not use the middle hole because you will not be able to align the door later on.

Changing the door hinging



- Unscrew upper hinge pin ⑪ using a suitable spanner.
- Remove covers ⑫ with a flat-bladed screwdriver from the front.
- Screw in upper hinge pin ⑪ on the opposite side using a suitable spanner.
- Refit covers ⑫ from the back on the opposite side, and then click them into place at the front.
- Remove cap ⑬ from door bearing bush in the door and refit on the opposite side.

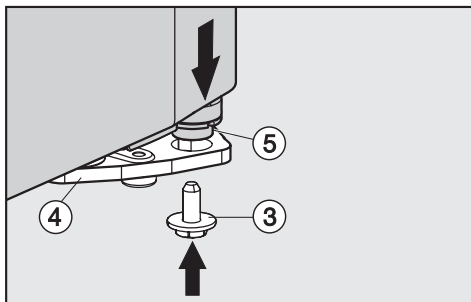
- Using a flat-bladed screwdriver, remove spring clamp ⑭ from underneath the door and fit it on the opposite side.
- Pull hinge pin ⑤ with washer ⑮ out of the door bearing bush from below.

Important. The opening on washer ⑮ must be placed over the notch on hinge pin ⑤ so that the washer ⑮ sits on the washer of hinge pin ⑤.

- Place hinge pin ⑤ with washer ⑮ in the door bearing bush on the opposite side. Important: the notch on the pin must face the inside of the door and the groove the outside.

Changing the door hinging

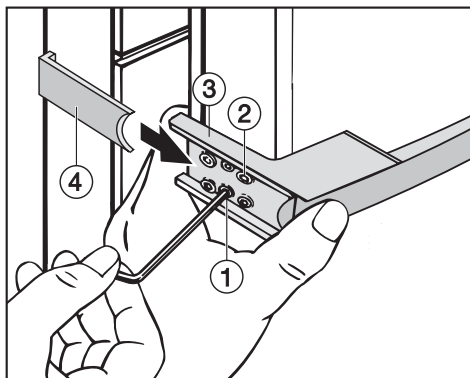
- Take the door and guide the upper door bush onto the upper hinge pin ⑪.



- Pivot the door and place the hinge pin ⑤ into the hinge plate ④. Important. Turn the hinge pin if necessary, so that the notch is pointing to the inside of the door and the groove to the outside. The hinge pin will then click into place.
- With the help of another person, carefully tip the appliance back and screw in retaining screw ③. Tighten it with a suitable spanner.
- Realign the door with the appliance housing again if necessary using the long slots in the lower hinge plate. Then tighten the screws.

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.



- 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 a suitable allen key until mounting plate ③ lines up correctly.
- Then tighten all 4 screws ②.
- Slide the side section of the handle ④ into the guides on the mounting plate until it clicks into place.

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

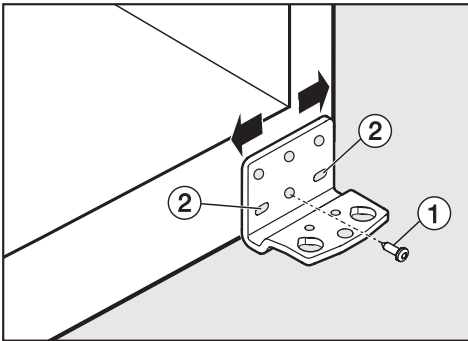
If, after you have refitted the handle, you find that the side section touches the door seal when the door is opened:

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

Aligning the appliance door

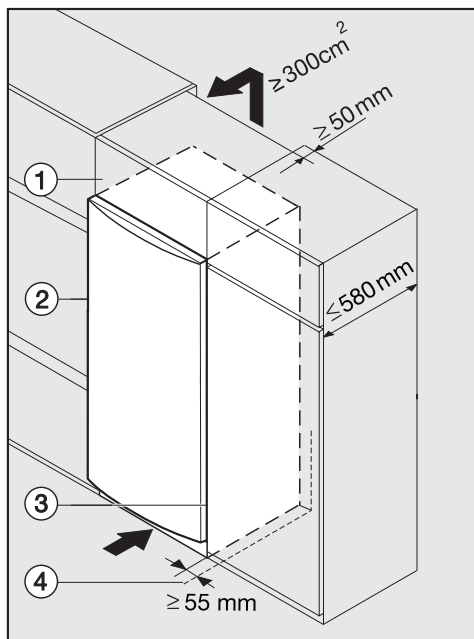
The appliance door can be aligned to the housing using the outer long slots in the lower hinge plate.

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



- 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 tightened again.

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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