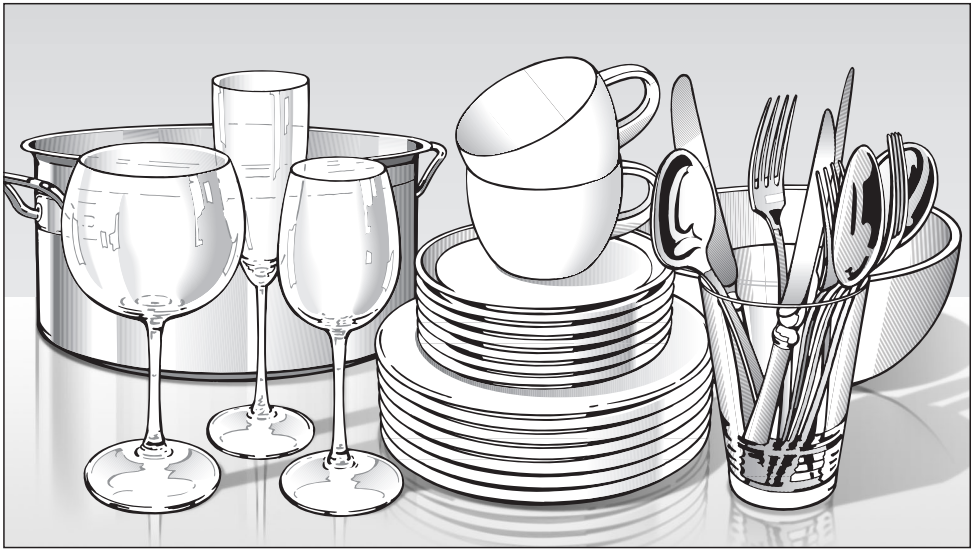
Miele

Operating instructions



for dishwashers

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

en - AU, NZ

M.-Nr. 09 522 730

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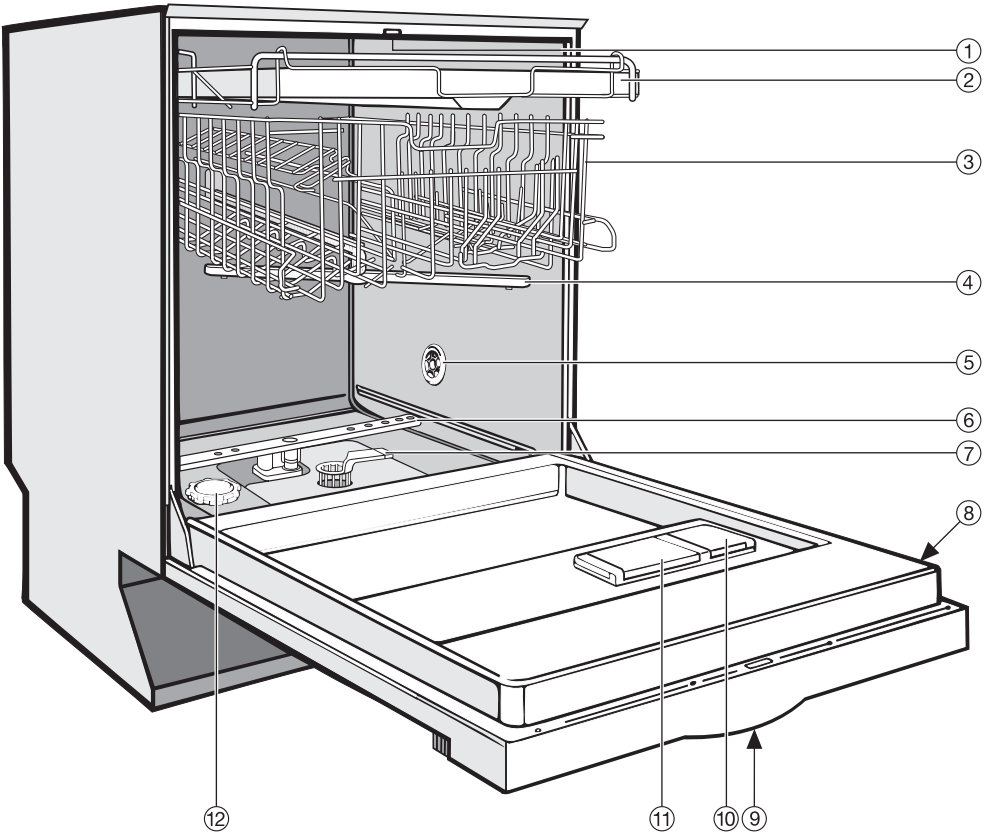
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Appliance overview



① Upper spray arm (not visible)

② Cutlery tray (depending on model)

③ Upper basket

④ Middle spray arm

⑤ Air inlet for drying (depending on model)

⑥ Lower spray arm

⑦ Filter combination

⑧ Data plate

⑨ Child safety lock in door grip (not visible)

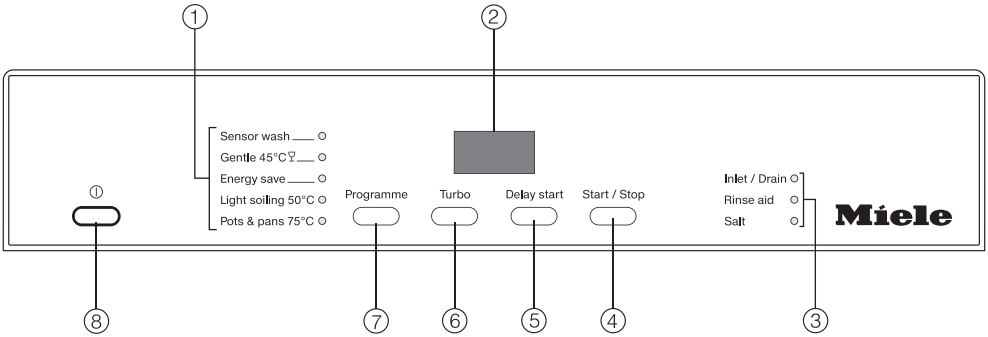
⑩ Rinse aid reservoir

⑪ Dual compartment detergent dispenser

⑫ Salt reservoir

Description of the appliance

Control panel



① Programme selection

② Time display

③ Check/Refill indicators

④ Start/Stop button with indicator light

⑤ Delay start button with indicator light

⑥ Turbo button with indicator light

⑦ Programme selector button

⑧ On/Off button ⏻

These Operating instructions apply to several different dishwasher models with different heights.
The specific dishwasher models below are referred to as follows:
Standard = 80.5 cm high dishwashers (integrated)
and 84.5 cm high dishwashers (freestanding)
XXL = 84.5 cm high dishwashers

This appliance complies with all relevant statutory safety requirements. Improper use of the appliance 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 installing and using it for the first time. They contain important information on its safety, use and maintenance.

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

Correct application

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

▶ The appliance is not suitable for outdoor use.

▶ The dishwasher is designed exclusively for cleaning domestic crockery and cutlery.
Any other usage is at the owner's risk. Miele cannot be held liable for damage resulting from incorrect or improper use or operation.

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

Safety with children

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

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

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

▶ Children should be supervised to ensure that they do not play with the appliance. Keep small children away from the appliance at all times to avoid the risk of injury. There is the risk that children may lock themselves in the dishwasher.

▶ Keep detergent and other household agents out of the reach of children at all times. Dishwasher detergents contain irritants and corrosive ingredients which can cause burning in the mouth, nose and throat if swallowed, or inhibit breathing. Keep children away from the dishwasher when the door is open. There could still be detergent residues in the cabinet.
Consult a doctor immediately if your child has swallowed or inhaled detergent.

Technical safety

▶ Before installation, check the dishwasher for visible signs of damage. Under no circumstances should you use a damaged dishwasher. A damaged dishwasher could be dangerous.

▶ The dishwasher must only be plugged into the electricity supply via a suitable switched socket. The electrical socket must be easily accessible after the dishwasher has been installed so that it can be disconnected from the electricity supply at any time (See "Electrical connection").

▶ There must be no electrical sockets behind the dishwasher. Danger of overheating and fire risk if the dishwasher were to be pushed up against a plug.

▶ The dishwasher must not be installed under a cooktop. The high radiant temperatures which are sometimes generated by a cooktop could damage the dishwasher. For the same reason, it should not be installed next to open fires or other appliances which give off heat, such as heaters etc.

▶ Do not connect the dishwasher to the mains supply until it has been fully installed, including the adjustment of the door springs.

▶ Before connecting the appliance, check that the connection data on the data plate (voltage and rated load) match the mains electricity supply. If in any doubt, consult a qualified electrician.

▶ The electrical safety of this appliance can only be guaranteed when continuity is complete between it and an effective earthing system. It is most important that this basic safety requirement is present 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 the consequences of an inadequate earthing system (e.g. electric shock).

▶ Do not connect the appliance to the mains electricity supply via a multi-socket unit or an extension lead. These do not guarantee the required safety of the appliance (e.g. danger of overheating).

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

▶ Do not install the dishwasher in a room where there is a risk of frost occuring. Frozen hoses may burst or split, and the reliability of the electronic unit may be impaired at temperatures below freezing point.

▶ The plastic housing of the water connection contains an electrical valve. The housing must not be dipped in water.

▶ There are live wires in the water inlet hose. Never cut the water inlet hose, even if it is too long.

▶ The integrated Waterproof System offers protection from water damage, provided the following conditions are met:

– The dishwasher is correctly installed and plumbed in.
– The appliance is properly maintained and parts are replaced where it can be seen that this is necessary.
– The tap has been turned off when the appliance is not used for a longer period of time (e.g. during holidays).

The Waterproof system will work even if the appliance is switched off. However, the appliance must remain connected to the electricity supply.

▶ A damaged dishwasher could be dangerous. If the dishwasher gets damaged, switch it off at the mains immediately and call Miele.

▶ Unauthorised repairs could result in unforeseen dangers for the user, for which Miele cannot accept liability. Repairs should only be undertaken by a Miele approved service technician.

▶ 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.

▶ Always disconnect the dishwasher from the electrical supply for maintenance work (switch off at the wall socket and remove the plug).

▶ If the connection cable is damaged, it must be replaced with a Miele cable by a Miele approved service technician only.

Correct installation

▶ The dishwasher must be installed and connected in compliance with the installation instructions.



▶ Be careful when installing the dishwasher. Wear protective gloves to avoid injury on any sharp metal components.

▶ The dishwasher must be correctly aligned to ensure problem-free operation.

▶ In order to ensure stability, built-under and integrated dishwashers must only be installed under a continuous worktop which is secured to adjacent cabinetry.

▶ If you want to convert your freestanding dishwasher to a built-under ("U") model, you will need to order the appropriate conversion kit. If you remove the existing plinth, you must replace it with a U-model plinth. This is necessary to avoid the risk of injury caused by protruding metal parts.

▶ The door springs on either side need to be evenly adjusted. They are correctly adjusted if the half-opened door (approx. 45° door opening angle) remains in this position when it is released. The door must not fall down under its own weight.

Correct use

▶ Do not use solvents in the dishwasher. Danger of explosion!

▶ Avoid inhalation of powder detergents. Dishwasher detergents contain irritant or corrosive ingredients which can cause burning in the nose, mouth and throat if swallowed, or inhibit breathing. Consult a doctor immediately if detergent has been swallowed or inhaled.

▶ Avoid leaving the door open unnecessarily as you could trip over it.

▶ Dishes can be very hot at the end of a programme.
Allow the dishes to cool until they are comfortable enough to handle before unloading them.

▶ Do not sit or lean on the opened door. This could cause the dishwasher to tip and be damaged, and you could get injured.

▶ Only use detergent and rinse aid formulated for domestic dishwashers. Do not use washing-up liquid.

▶ Do not use commercial or industrial detergents as these may cause damage, and there is a risk of severe chemical reaction.

▶ Do not fill the rinse aid reservoir with powder or liquid detergent. This will cause serious damage to the reservoir.

▶ Inadvertently filling the salt reservoir with powder or liquid dishwasher detergent will damage the water softener.

▶ Miele recommends using specially designed dishwasher salt to maximize the performance of your dishwasher and to prevent a build-up of calcium and limescale in the dishwasher cabinet, especially if you live in a hard water area. Dishwasher salt can be purchased online at www.miele-shop.com (depending on country) or directly from Miele.
Do not use other salts such as cooking salt, agricultural grade or gritting salt. These may contain insoluble additives which can impair the functioning of the water softener.

▶ In an appliance with a cutlery basket (depending on model) cutlery is cleaned and dried more efficiently if placed in the basket with the handles downwards. However, to avoid the risk of injury, place knives and forks etc. with the handles upwards.

▶ Plastic items which cannot withstand being washed in hot water, such as disposable plastic containers, or plastic cutlery and crockery, should not be cleaned in the dishwasher. The high temperatures in the dishwasher may cause them to melt or lose shape.

▶ On models with "Delay start", make sure that the dispenser is dry before adding detergent. Wipe dry if necessary. Detergent will clog if poured into a damp dispenser and may not be thoroughly dispensed.

Accessories

▶ Only use genuine Miele spare parts and accessories with this dishwasher. If spare parts or accessories from other manufacturers are used, this will invalidate the warranty, and Miele cannot accept liability.

Disposal of your old dishwasher

▶ Make the door lock inoperative so that children cannot accidentally shut themselves in. Remove or destroy the locking bracket of the door lock.

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

Disposal of the packing material

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

The packaging consists of the following materials:

Outer packaging:

– Corrugated cardboard made from up to 100% recyclable material:
or: Polyethylene (PE) protective wrap

– Polyproplylene (PP) strapping

Inner packaging:

– Chlorine and fluorine free expanded polystyrene (EPS)

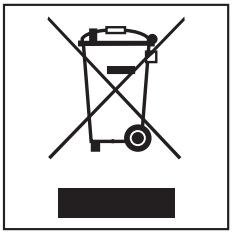
– Base, lid frame and support battens made from untreated natural wood from renewable forests

– Polyethylene (PE) protective wrap

Rather than just throwing these materials away, please ensure they are recycled.

Disposing of your old appliance

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



Please dispose of it at your local community waste collection / recycling centre. You can also contact your Chartered Agent for advice.

Ensure that your old appliance presents no danger to children while being stored for disposal.

To enable sorting by type of plastic for recycling, all plastic parts of the appliance are labelled with international standard symbols.

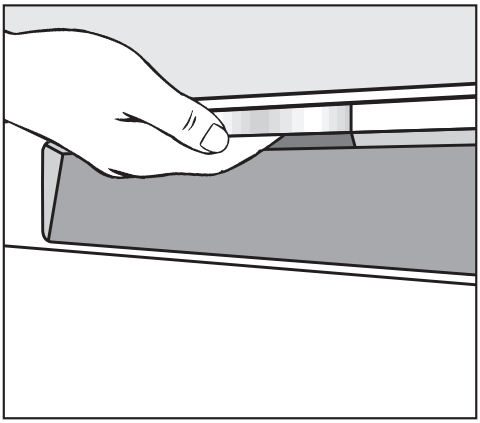
Caring for the environment

Energy saving dishwashing

This dishwasher is exceptionally economical in its use of water and electricity.
You can make the most of your appliance by following these tips:

- If your household water system is suitable, this dishwasher can be connected to a hot water supply for further economies. If the water is heated by for example, solar panels, this would be energy efficient. However, if your water is heated by electricity, we would recommend connection to cold water.
- For most economical dishwashing, make full use of the baskets without overloading the dishwasher.
- Choose the programme to suit the type of crockery being washed and the degree of soiling.
- Select the "Energy save" programme for energy-saving dishwashing. This programme is the most efficient in terms of energy and water consumption for cleaning normally soiled crockery.
- Follow the detergent manufacturer's recommendations on detergent dosage.
- When using powder or liquid detergent you can use $^1/_3$ less detergent if baskets are only half full.

To open the door



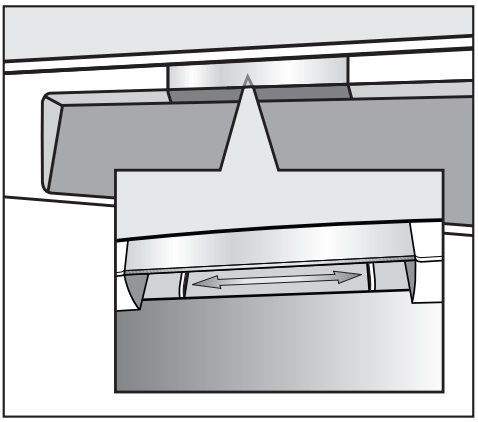
- Press the release catch inside the door grip upwards and pull the door open.

If the door is opened during operation, all functions are automatically interrupted.

To close the door

- Push the baskets right in.
- Then lift the door upwards and push until it clicks into position.

Safety lock



Use the safety lock to prevent children opening the dishwasher door.

- To lock the door, push the slide underneath the door grip to the right.
- To unlock the door, push the slide to the left.

Water softener

In order to achieve good cleaning results, the dishwasher needs to operate with soft water. Hard water results in the build-up of calcium deposits on crockery and in the dishwasher.
Mains water with a hardness level higher than 0.7 mmol/l (4 °d – German scale) needs to be softened. This takes place automatically in the integrated softener unit. The softener unit is suitable for a water hardness level of up to 12.6 mmol/l (70 °d).

– The water softener requires reactivation salt.
  Depending on the water hardness level (≤ 21 °d), dishwasher salt is not required if combination tablets are being used (see "Detergent").
– The dishwasher must be programmed for the water hardness in your area.
– Your local water authority will be able to advise you of the water hardness level in your area.

Where the water hardness fluctuates e.g. between 1.4 - 3.1 mmol/l (8 - 17 °d German scale), always programme the dishwasher to the higher value (3.1 mmol/l in this example).

In the event of a fault, it will help the service technician if you know the hardness of your local water supply.

■ Enter the water hardness:

_____ mmol/l or °d

The dishwasher is set at the factory for a hardness level of 0.2 mmol/l (1 °d).

If this setting corresponds to the hardness of your water, you do not need to do anything more.

If your water is harder, you will need to programme the water hardness level. See the following section.

Programming the water hardness level

Each time a button is pressed, one of the indicator lights will flash and light up in the control panel. However, only the indicator lights mentioned in the following programming process stages are significant.

The programming procedure can be cancelled at any time by pressing the ⏻ button. The procedure can then be re-started from the beginning again.

- Switch the dishwasher off with the On/Off button ⏻, if it is switched on.
- Press the Start/Stop button in and, **whilst holding it in**, switch the dishwasher on using the On/Off button ⏻.
  Keep the Start/Stop button pressed in for at least four seconds until the "Start/Stop" indicator light comes on.

If this does not happen, start the procedure from the beginning again.

- Press the Delay start button twice.

The Delay start indicator will flash briefly twice at intervals.

The characters "*P 1*" will flash one after the other in the display.
This means that the water hardness level has been set at 1 °d (0.2 mmol/l) (factory setting).

The value which has been set for the water hardness is shown as a figure after the "*P*" in the display (see chart).

- Use the Start/Stop button to select the number of flashes which equates to your water hardness level.
  Each press of the button moves you up a level. When the highest water hardness level is reached, the setting starts from the beginning again.
- Switch the dishwasher off with the On/Off button ⏻.

°d (German scale)	mmol/l	°f	Value displayed
1	**0.2**	**2**	**1**
2	0.4	4	2
3	0,5	5	3
4	0.7	7	4
5	0.9	9	5
6	1.1	11	6
7	1.3	13	7
8	1.4	14	8
9	1.6	16	9
10	1.8	18	10
11	2.0	20	11
12	2.2	22	12
13	2.3	23	13
14	2.5	25	14
15	2.7	27	15
16	2.9	29	16
17	3.1	31	17
18	3.2	32	18
19	3.4	34	19
20	3.6	36	20
21	3.8	38	21
22	4.0	40	22
23	4.1	41	23
24	4.3	43	24
25	4.5	45	25
26	4.7	47	26
27	4.9	49	27
28	5.0	50	28
29	5.2	52	29
30	5.4	54	30
31	5.6	56	31
32	5.8	58	32
33	5.9	59	33
34	6.1	61	34
35	6.3	63	35
36	6.5	65	36
37-50	6.7-90	67-89	50
51-60	9.2-10.8	91-108	60
61-70	11.0-12.6	110-126	70

To call up the water hardness level in the display

- Switch the dishwasher off with the On/Off button ⏻.
- Press the Start/Stop button in and, **whilst holding it in**, switch the dishwasher on using the On/Off button ⏻.
  Keep the Start/Stop button pressed in for at least four seconds until the "Start/Stop" indicator light comes on.
- Press the Delay start button twice.

The Delay start indicator will flash briefly twice at intervals.

Characters will flash in sequence in the display.
The number after the "*P*" is the value for the water hardness level which has been set (see chart).

- Switch the dishwasher off with the On/Off button ⏻.

Before using the appliance for the first time, you require:

– approx. 2 litres of water,

– approx. 2 kg of dishwasher salt,

– domestic dishwasher detergent,

– rinse aid formulated for domestic dishwashers.

Every dishwasher is tested at the factory.
There will be residual water in the appliance from this test. It is not an indication that it has been used previously.

Filling the salt reservoir

If the water in your area is very soft and constantly **lower than 0.7 mmol/l (4 °d)**, you do not need to add salt.
The water softener must, however, still be programmed to correspond to the water hardness level in your area. Salt should only be replenished when the salt indicator light comes on. In areas with very soft water this could be after a long period of time.

Important! Before filling the salt reservoir with dishwasher salt for the **first time**, you must fill it with approx. 2 litres of water to enable the salt to dissolve. Once the dishwasher has been used, there is always sufficient water in the reservoir.

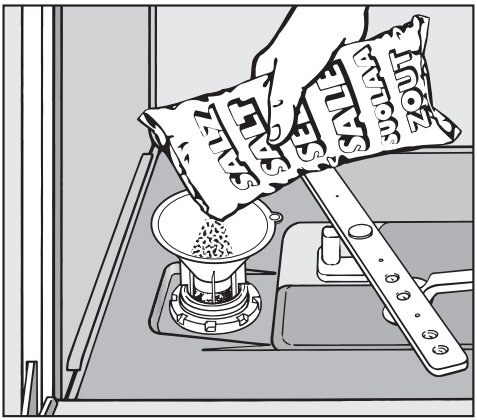
⚠ Inadvertently filling the salt reservoir with powder or liquid dishwasher detergent will damage the water softener.

⚠ Miele recommends using specially designed dishwasher salt to maximize the performance of your dishwasher and to prevent a build-up of calcium and limescale in the dishwasher cabinet, especially if you live in a hard water area. Dishwasher salt can be purchased online at www.miele-shop.com (depending on country) or directly from Miele. Do not use other salts such as cooking salt, agricultural grade or gritting salt. These may contain insoluble additives which can impair the functioning of the water softener.

- Remove the lower basket and unscrew the salt reservoir cap.

Water or saline solution will run out of the reservoir when the cap is removed. It should therefore only be removed in order to refill the salt reservoir.

- Fill the reservoir with approx. 2 litres of water (first use only).



- Place the funnel provided over the salt reservoir and carefully fill with salt until the reservoir is full. The salt reservoir holds approx. 2 kg of salt.
- Clean any excess salt from around the reservoir opening and then screw the cap on again **firmly**.
- Run the "Gentle 45 °C" programme with the "Turbo" function immediately (without any crockery in the dishwasher) to remove any traces of salt from the cabinet.

Insufficient salt indicator

- Fill the salt reservoir with dishwasher salt when the salt indicator light comes on (If it comes on during a programme, wait until the end of the programme).

After the reservoir has been filled, the water softener is automatically reactivated the next time the dishwasher is run. The salt indicator light may still be illuminated during this process. It will go out once the salt concentration has reached the correct level.

The salt indicator is deactivated when the dishwasher has been programmed to a water hardness level below 0.7 mmol/l (4 °d).

⚠ Run the "Gentle 45 °C" programme with the "Turbo" function immediately (without any crockery in the dishwasher) to remove any traces of salt from the cabinet.

Switching off the refill indicators

If you use combination products and do not want the refill indicators for salt and detergent to be displayed, you can switch off both indicators together.

- Switch the dishwasher off with the ⏻ button.
- Press the Start/Stop button and, **whilst holding it in**, switch the dishwasher on using the On/Off button ⏻.
  Keep the Start/Stop button pressed in for at least four seconds until the "Start/Stop" indicator light comes on.

If this does not happen, start the procedure from the beginning again.

- Press the Delay start button 9 times.

The Delay start indicator will flash briefly 9 times at intervals.

The flashing sequence in the time display will show whether the refill indicators are switched on or off:

– "*P 1*": The refill indicators are switched on.

– "*P 0*": The refill indicators are switched off.

- To change the setting, press the Start/Stop button.

The setting is now stored in memory.

- Switch the dishwasher off with the ⏻ button.

Ensure that you refill salt and rinse aid and switch on the refill indicators again if you are not using combination products.

Rinse aid

Rinse aid is necessary to ensure water does not cling and leave marks on crockery during the drying phase and helps crockery dry faster after it has been washed.
Rinse aid is poured into the storage reservoir and the amount set is dispensed automatically.

⚠ Inadvertently filling the rinse aid reservoir with powder or liquid detergent will damage the reservoir. Only pour rinse aid formulated for domestic dishwashers into the reservoir.

Alternatively, it is possible to use

– household vinegar with a max. 5% acid content

or

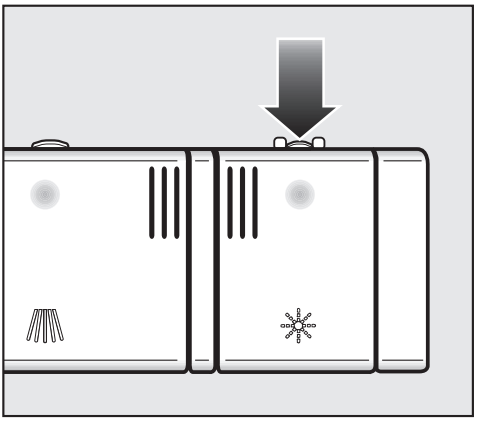
– liquid citric acid up to 10% acid content.

The resulting rinsing and drying quality will not, however, be as good as when rinse aid is used.

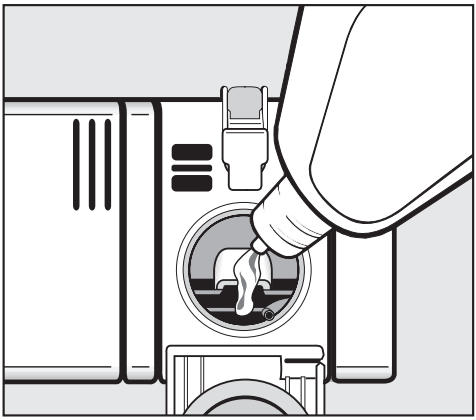
⚠ Do not use vinegar with a higher acid content (e.g. vinegar essence 25% acid). This would damage the dishwasher.

If you only ever use combination products containing rinse aid in your dishwasher, you do not need to add rinse aid.

Adding rinse aid



■ Press the button on the lid of the rinse aid reservoir in the direction of the arrow until the flap springs open.



- Add rinse aid only until it is visible in the opening.

The rinse aid reservoir holds approx. 110 ml.

- Close the flap firmly so that it clicks into place. Otherwise water can enter the rinse aid reservoir during a programme.
- Wipe up any spilled rinse aid. This prevents over-foaming occurring during the next programme.

Rinse aid indicator

When the light comes on, the reservoir contains sufficient rinse aid for 2 - 3 programmes only.

- Add rinse aid in plenty of time.

If you use combination products and do not want the refill indicators for salt and detergent to be displayed, you can switch off both indicators together (see "Before using for the first time - Switching off the refill indicators").

Ensure that you refill salt and rinse aid and switch on the refill indicators again if you are not using combination products.

Setting the rinse aid dosage

You can adjust the rinse aid dosage for best results.

The rinse aid dosage can be set from approx. 0-6 ml. It is set to a recommended setting of approx. 3 ml at the factory.

The dosage can turn out to be higher than the set value due to the automatic adjustment of the "Sensor wash" programme.

If spots appear on crockery and glassware:

- Increase the rinse aid dosage.

If clouding or smearing appears on crockery and glassware:

- Decrease the rinse aid dosage.
- Switch the dishwasher off with the On/Off button ⏻.
- Press the Start/Stop button in and, **whilst holding it in**, switch the dishwasher on using the On/Off button ⏻.
  Keep the Start/Stop button pressed in for at least four seconds until the "Start/Stop" indicator light comes on.

If this does not happen, start the procedure from the beginning again.

- Press the Delay start button three times.

The Delay start indicator will flash briefly 3 times at intervals.

P 3 will flash in the display.
This means that the rinse aid dosage has been set to 3 ml at the factory.

The dosage set will appear in the display after the *P*.

- Use the Start/Stop button to select the rinse aid dosage you want.
  The dosage amount alters each time you press the button.

The programmed rinse aid dosage is now stored in memory.

- Switch the dishwasher off with the On/Off button ⏻.

Note

Remove coarse food residues from crockery.

There is no need to rinse items under running water.

⚠ Do not wash items soiled with ash, sand, wax, lubricating grease or paint in the dishwasher.
These materials will cause damage to the dishwasher.

Crockery can be loaded anywhere in the baskets, but the following notes should be observed:

– Do not place crockery and cutlery inside other pieces where they may be concealed.
– Load the crockery so that water can access all surfaces. This ensures that they get properly cleaned.
– Make sure that all items are securely positioned.
– Hollow items such as cups, glasses, pans, etc. must be inverted in the basket.
– Tall, narrow, hollow items, e.g. champagne glasses, should be placed in the centre of the basket to ensure better water coverage.
– Wide based items should be placed at an angle so that water can run off them freely.
– The spray arms must not be blocked by items which are too tall or hang through the baskets.
If in doubt, test for free movement by manually rotating the spray arms.
– Make sure that small items cannot fall through the holders in the baskets.
Small items, e.g. lids, should therefore be placed in the cutlery tray or cutlery basket (depending on model).

Some foodstuffs may contain natural dyes, e.g. carrots, tomatoes or tomato sauce. Plastic items in the dishwasher may discolour if large quantities of these foodstuffs find their way into the appliance on the crockery. The stability of plastic items is not affected by this discolouration.

Items not suitable for dishwashers:

– Wooden cutlery and crockery or items with wooden parts: these may discolour and fade. The glue used in these items is not dishwasher-proof and wooden handles may come loose after being washed in a dishwasher.

– Craft items, antiques, valuable vases and decorative glassware are also not suitable for dishwashers.

– Plastic items which are not heat resistant can melt or lose shape.

– Copper, brass, tin and aluminium items may discolour or become matt.

– Colours painted over a glaze may fade after a number of washes.

– Clouding may occur on glasses after frequent washing. Do not wash delicate glassware, or glassware containing lead crystal in a dishwasher.

We recommend:

– When purchasing new crockery and cutlery, make sure they are dishwasher-proof.

– If delicate glassware is washed in the dishwasher, ensure that only very low temperatures are used (see Programme chart), or a special glass-care programme is used (depending on model). This will reduce the risk of clouding.

– Wash particularly delicate glassware by hand.

Please note

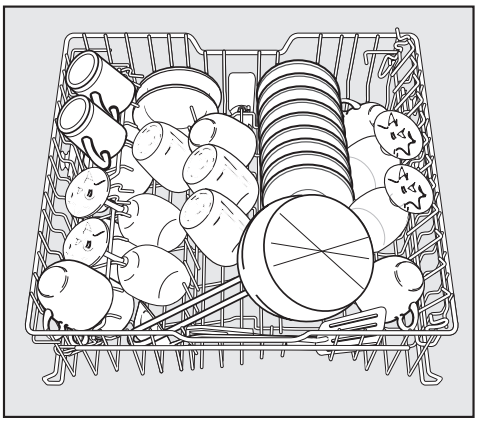
Silverware previously cleaned with a **silver polish** may still be damp or spotted at the end of a programme, where water has not run off smoothly. It may need to be rubbed dry with a soft cloth. It may need to be rubbed dry with a soft cloth.

Silver which has been in contact with foods containing sulphur can discolour. These include egg yolk, onions, mayonnaise, mustard, pulses, fish, fish brine and marinades.

⚠ Aluminium components (e.g. grease filters) must not be cleaned with caustic alkaline commercial or industrial cleaning agents. These may damage the material, or in extreme cases, cause a severe chemical reaction. See section "Adding detergent" for information on suitable detergents.

Upper basket

⚠ For safety reasons, do not operate the dishwasher without the upper and lower baskets in place.



- Use the upper basket for small, lightweight and delicate items such as cups, saucers, glasses, dessert bowls, etc. Shallow pans or casserole dishes can also be placed in the upper basket.
- Long items such as soup ladles, mixing spoons and long knives should be placed lying down across the front of the upper basket.

Cup rack (depending on model)

- To make room for tall items, raise the rack upwards.

Glasses can be arranged along the positioning rail of the cup rack to give them some support during the programme.

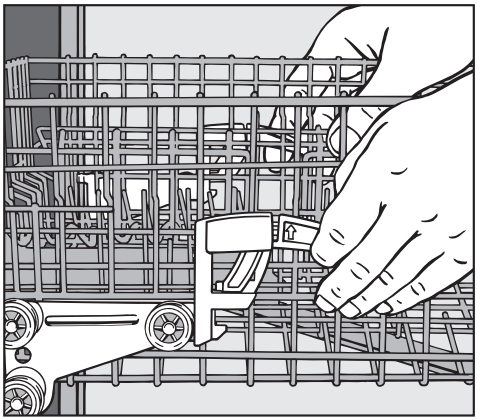
- Lower the cup rack and lean the glasses against it.

Adjusting the upper basket

In order to gain more space for taller pieces of crockery in the bottom or upper basket, the upper basket can be adjusted on three levels with 2 cm between each level.

The upper basket can also be set at an angle with one side high and the other side low. This can be useful to help prevent water being left in deep dishes etc. Ensure, however, that the basket can be inserted smoothly into the cabinet. It is better to adjust the basket before loading it.

- Pull out the upper basket.



To raise the upper basket:
- Pull the basket up until it clicks into place.

To lower the upper basket:
- Pull upwards on the levers at either side of the upper basket.
- Adjust the basket to the desired height and then push the levers securely back down into position.

Depending on the setting of the upper basket, the following plate dimensions can be accommodated.

Dishwasher with cutlery tray
(see data plate for model number)

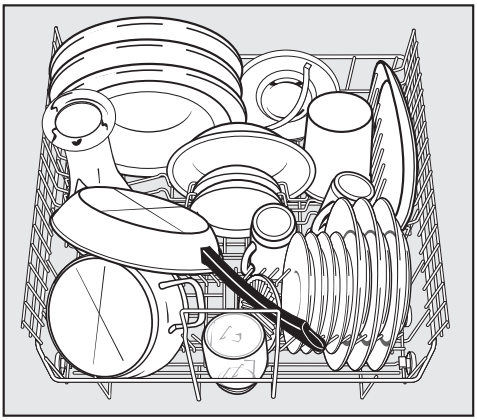
Upper basket level	Plate ∅ in cm		
	Upper basket		Lower basket
	Normal	XXL	
Top	15	19	31
Middle	17	21	29
Bottom	19	23	27

Dishwasher with cutlery basket
(see data plate for model number)

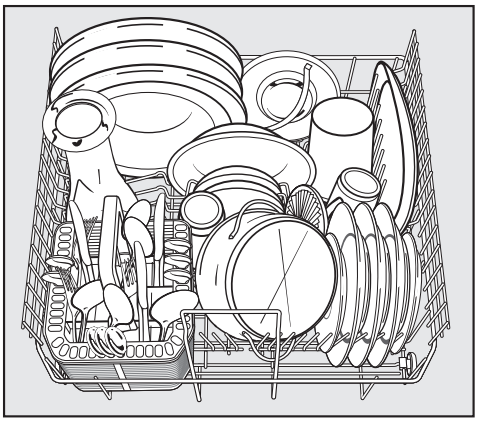
Upper basket level	Plate ∅ in cm		
	Upper basket		Lower basket
	Normal	XXL	
Top	20	24	31
Middle	22	26	29
Bottom	24	28	27

Lower basket

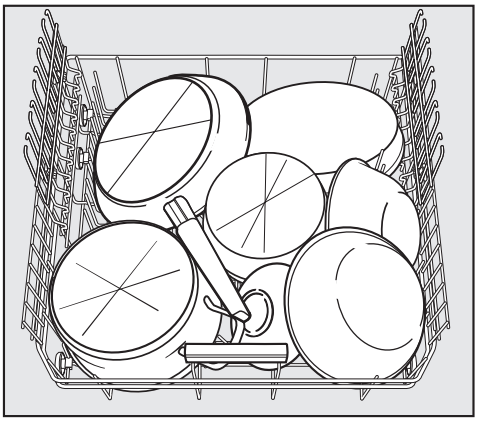
- For larger and heavier items such as plates, serving platters, saucepans, bowls, etc.
  You can also place glasses, cups, small plates and saucers in the lower basket.
  Do not place thin, delicate glassware in the lower basket.



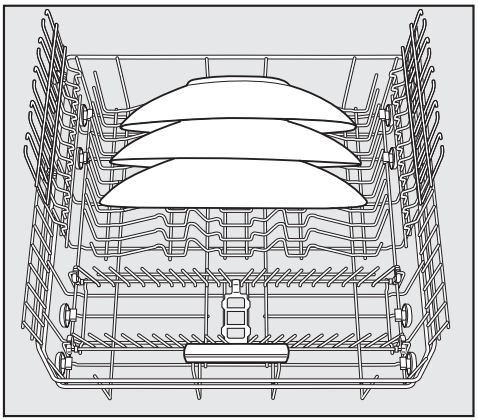
Dishwashers with cutlery tray



Dishwashers with cutlery basket



Heavily soiled items

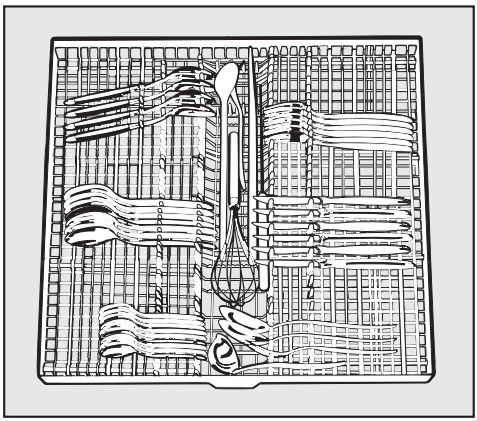


- Place large platters and dishes in the centre of the lower basket.

When tilted, plates up to 35 cm in diameter can be accommodated.

Cutlery

Cutlery tray (depending on model)

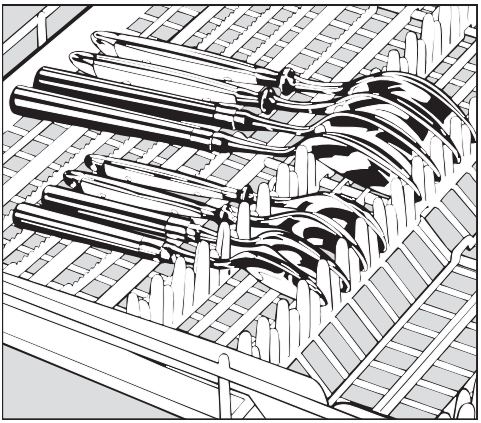


- Arrange the cutlery in the tray as shown.

To make unloading much easier, cutlery should be grouped in zones, one for knives, one for forks, one for spoons, etc.

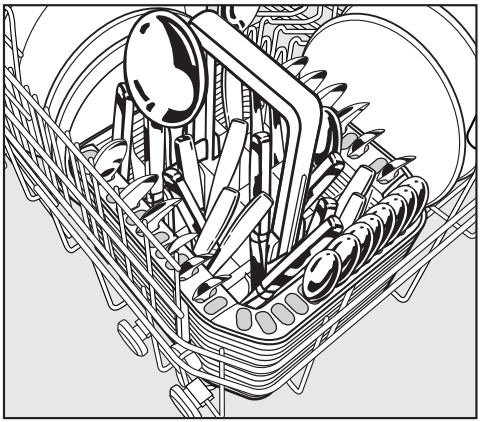
Spoon heads should be placed in contact with at least one of the serrated retainers on the base of the cutlery tray to ensure that water runs off them freely.

The upper spray arm must not be blocked by items which are too big (e.g. cake slices).



If spoon handles do not fit between the holders, lay them the other way round.

Cutlery basket (depending on model)

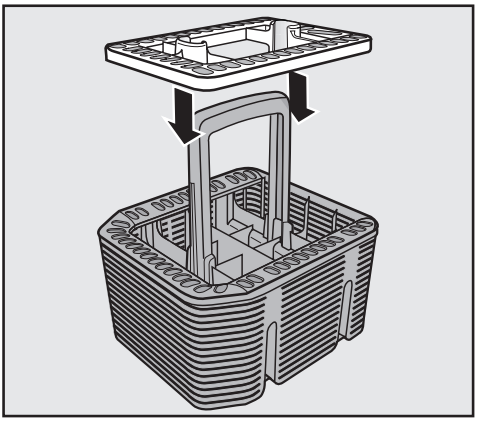


The cutlery basket can be placed anywhere on the front rows of spikes in the lower basket.

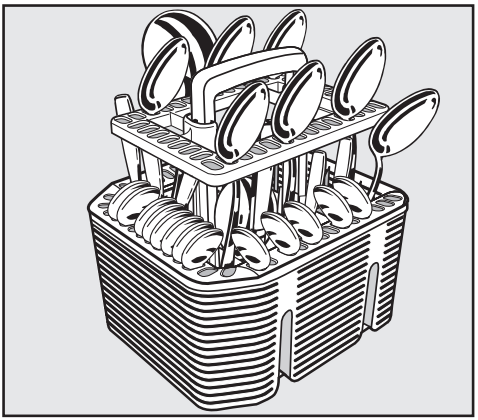
- In an appliance with a cutlery basket (depending on model) cutlery is cleaned and dried more efficiently if placed in the basket with the handles downwards.
  However, to avoid the risk of injury, place knives and forks etc. with the handles upwards.
- Place small items of cultlery in the individual slots on three sides of the cutlery basket.

Cutlery insert for the cutlery basket

Use the insert supplied for heavily soiled spoons.
The insert separates the items so that they can be more easily accessed by water.



- Fit it onto the cutlery basket if required.



- Insert cutlery with the handles facing downwards, and distribute them evenly along the insert.

Detergent

⚠ Only use detergents formulated for domestic dishwashers. Do not use washing-up liquid.

Active ingredients

Modern detergents contain various active ingredients, the most important of which are:

– Phosphates to prevent calcification.

– Alkalis to aid removal of dried on soiling.

– Enzymes to break down starch and loosen protein.

– Oxygen based bleaching agents to remove coloured stains (e.g. tea, coffee, tomato sauce).

Most dishwasher detergents contain phosphate and are mildly alkaline with enzymes and oxygen based bleaching agents. Phosphate free products are rare.

Types of detergent:

– Powder and liquid gel detergents. These detergents allow you to adjust the amount dispensed according to the amount of load and level of soiling.

– Tab detergents. These are suitable for most levels of soiling.

You can also buy combination products.
In addition to detergent, these products contain rinse aid and salt substitutes. They are available as "3 in 1" or, when they also contain other components such as glass and stainless steel protective additives and enhanced cleaning power, as "5 in 1", "7 in 1", "All in 1", etc.
Refer to the manufacturer's packaging as to whether combination products are suitable for the water hardness level in your area.
Please note that the cleaning and drying results of combination detergents can vary greatly.

For optimum cleaning and drying results, use Miele dishwasher detergent and add Miele salt and Miele rinse aid separately.

Under certain circumstances unsatisfactory washing and drying results might be noticed when using combination dishwasher detergents. These products contain a combination of detergent and rinse aid or detergent and salt (2 in 1) or detergent, rinse aid and salt (3 in 1). Drying results might not be as good as expected or residues or flecks might be left on crockery. If results are still unsatisfactory, even after seeking advice from the detergent manufacturer, we suggest that you change to a different product or use a traditional dishwasher detergent.

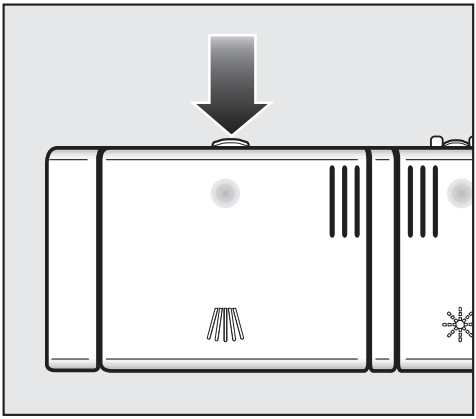
Dispensing

- Follow the dosage recommended by the manufacturer on the packaging.
- Unless directed otherwise, use one detergent tab or add 20 to 30 ml to compartment II, depending on the level of soiling.
  With very heavy soiling you can also add a small amount of detergent to compartment I (see "Programme chart").
- Tabs may not dissolve completely when the Quick wash 40 °C programme (depending on model) is used.

Failure to dispense the recommended amount of detergent may impair cleaning results.

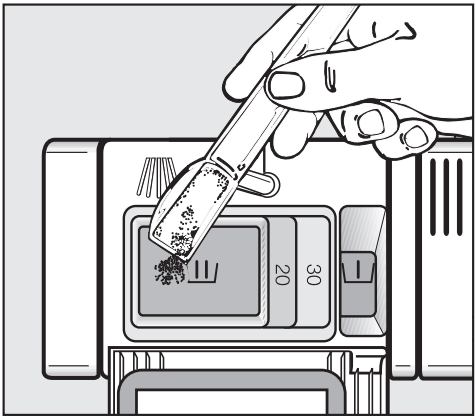
⚠ Avoid inhalation of powder detergents. Dishwasher detergents contain irritant or corrosive ingredients which can cause burning in the nose, mouth and throat if swallowed, or inhibit breathing. Consult a doctor immediately if detergent has been swallowed or inhaled.
Keep detergent and other household agents out of the reach of children at all times. Keep children away from the dishwasher when the door is open. There could still be detergent residues in the cabinet. To avoid the danger of children coming into contact with the dishwasher detergent, only add detergent just before starting the programme and close the door, activating the child safety lock (if your dishwasher is fitted with one).

Adding detergent



- Press the opening catch on the detergent dispenser. The flap will spring open.

The flap is always open at the end of a programme.



- Add the required amount of detergent and close the flap.
- Make sure that the detergent packaging is properly closed after use to avoid it getting damp and becoming lumpy.

For information

Compartment I holds max. 10 ml, Compartment II holds max. 50 ml.

There are markings in compartment II to assist with dispensing: 20, 30. The marks indicate a level of approx. 20 or 30 ml when the door is open in a horizontal position.

Switching on

- Make sure the spray arms are not obstructed.
- Close the door.
- Turn on the tap if it is turned off.
- Switch the dishwasher on using the ⏻ button.

The Start/Stop indicator light flashes and the indicator light comes on next to a programme.

Selecting a programme

Choose your programme according to the type of load and how dirty it is.

The different programmes and their uses are described in the **Programme chart** later on in this booklet.

- Select the programme required with the Programme selector button.

The indicator light for the programme selected comes on.
The programme duration will appear in hours and minutes in the time display.

You can now select additional functions (see "Additional functions").

Starting the programme

- Press the Start/Stop button.

The programme will begin. The indicator lights for "Start/Stop" and the programme selected will light up.
If any additional functions have been selected, the relevant indicator light(s) will also come on.

A programme can only be cancelled in the first few minutes. Otherwise the programme must continue to the end so that important programme stages (e.g. reactivating the water softener) are not omitted.

Time display

The duration of the programme selected appears in hours and minutes in the display before the programme begins. During the programme, the time left until the end of the programme is displayed.

The time displayed may vary with the same programme. This is partly because of the water temperature at each intake, the reactivation cycle, the type of detergent and partly because of the amount of crockery and how dirty it is.

When a programme is selected for the first time, the display shows an average time for a cold water intake.

The times shown in the Programme chart refer to standard test loads and temperatures.

Each time a programme is run, the electronic unit takes the new conditions into account, and calculates the time required.

Standby

To save energy, the dishwasher will switch to Standby mode a few minutes after the last time a button has been pressed or at the end of the programme. The indicator lights and the time display will go out, and only the Start/Stop indicator will flash slowly.

- To switch the lights and display back on, press the ⏻ button.

If the dishwasher is not switched off at the end of the programme and the door is not opened, it will switch off completely after a few minutes in Standby mode (see "Additional functions - Optimise standby").

The dishwasher will not switch to Standby mode whilst a programme is running, if salt or rinse aid needs to be refilled, or if there is a fault.

The refill indicators can be switched off if you use combination products and the dishwasher is supposed to go into Standby mode.
However, a fault message cannot be switched off.

At the end of a programme

0 appears in the time display when the programme has finished.

The dishwasher can now be opened and unloaded.

⚠ To prevent the risk of steam damage to the worktop edging above the dishwasher, it is advisable to leave the door closed until you are ready to unload the crockery. Alternatively, you can open the door fully until the crockery is cool enough to unload. Do not leave the door only partially open.

Switching off

At the end of a programme:

- Switch the dishwasher off using the ⏻ button.

The dishwasher will continue to use electricity until it is switched off with the ⏻ button.

If the dishwasher is not going to be used for a longer period of time, e.g. while you are on holiday, the tap should be turned off.

Unloading the dishwasher

Dishes tend to break and chip more easily when they are hot.
Allow the dishes to cool until they are comfortable enough to handle before unloading them.

If you open the door fully after switching off, the dishes will cool much faster.

- First unload the lower basket, then the upper basket and finally the cutlery tray (depending on model). This will prevent water drops from the upper basket and cutlery tray from falling onto the dishes in the lower basket.

Interrupting a programme

Operation is interrupted as soon as the door is opened.
If the door is closed again, the programme will continue from the point it was at before the door was opened.

⚠ Water in the dishwasher may be hot. Danger of scalding!
Only open the door if absolutely necessary and exercise extreme caution when doing so. Before closing the door again, leave it ajar for approx. 20 seconds. This will enable the temperature in the wash cabinet to settle. Then raise the door upwards until the catch engages.

Changing a programme

If the detergent dispenser flap has already opened, do not change the programme.

If a programme has already started and you wish to change it, proceed as follows:

- Press the Start/Stop button for at least one second.

The programme will be cancelled.

- Select the programme you want, and then start it.

Turbo

The Turbo function is used to reduce the duration of programmes in which this function is available.

In order to achieve optimum cleaning results, consumption rates are increased when Turbo has been selected.

- Switch the dishwasher on using the On/Off button ⏻.

The Start/Stop indicator light will flash.

- Select a programme.
- Press the Turbo button.

The Turbo indicator light will come on.

- The programme can now be started.

The option selected is active on all programmes until the setting is changed.

Delay start

The start time of a programme can be delayed, e.g. to benefit from economy rates of electricity. A Delay start time of between 30 minutes and 24 hours can be selected.

With a Delay start time of between 30 minutes and 9 hours 30 minutes, the time is set in 30 minute increments. For 10 hours or more it is set in one hour increments.

When using the Delay start function, make sure that the detergent compartment is dry before adding detergent. Wipe dry with a cloth if necessary. If the compartment is wet, powder detergent can become lumpy and stick to the dispenser, with the result that it is not fully dispensed.
Do not use liquid detergent when selecting Delay start, as it can run into the dishwasher before it is required.

- Switch the dishwasher on using the On/Off button ⏻.

The Start/Stop indicator light will flash.

- Select the programme required with the programme selector button.
- Press the Delay start button.

The last Delay start time used will appear in the display. The Delay start indicator light will come on.

- Set the time required using the Delay start button.

If the button is kept pressed in, the time will increase automatically up to 24h. To start at 30 minutes again, press the Delay start button twice.

- Press the Start/Stop button.

The Start/Stop indicator light will light up constantly.

The time starts counting down until the programme start time: in 1 hour steps for delay start periods of over 10 hours, and in minutes for delay start periods of under 10 hours.

At the end of the delay period, the programme selected begins automatically. The time left for a programme to run then appears in the display, the Delay start indicator light will go out and the Start/Stop indicator light will light up constantly.

How the Delay start time is shown in the display:

up to 59 minutes:
e.g. 30 minutes = *30*

between 1 hour and 9 hours 30 minutes:
e.g. 5 hours = *5.00*

10 hours and over:
e.g. 15 hours = *15h*

⚠ To prevent children coming into contact with dishwasher detergent, do not fill the detergent dispenser **until just before starting the programme**, i.e. before pressing the Start/Stop button, and activate the safety lock.

Starting a programme before the delay start period has elapsed:

A programme can be started before the delay start period has elapsed. Proceed as follows:

- Press the Start/Stop button for at least one second.

The Delay start indicator light will go out and the Start/Stop indicator light will flash.

- Press the Start/Stop button again.

The programme will begin. The Start/Stop indicator light will light up constantly.

Adjust Sensor wash

You can adjust the Sensor wash programme so that it will remove stubborn soiling in a lightly soiled load.

- Switch the dishwasher off using the On/Off button ⏻.
- Press the Start/Stop button in and, **whilst holding it in**, switch the dishwasher on using the On/Off button ⏻.
  Keep the Start/Stop button pressed in until the Start/Stop indicator light comes on.

If this does not happen, start the procedure again from the beginning.

- Press the Delay start button five times.

The Delay start indicator will flash briefly five times at intervals.

The flashing sequence in the display shows what the current setting is.

– "*P 1*": The Adjust Sensor wash function is activated.

– "*P 0*": The Adjust Sensor wash function is deactivated.

- If you want to change the setting, press the Start/Stop button.

The setting is now stored in memory.

- Switch the dishwasher off using the On/Off button ⏻.

Optimise standby

To save energy, the dishwasher will switch to Standby mode a few minutes after the last time a button has been pressed or a few minutes after the end of the programme. The indicator lights and the time display will go out and only the Start/Stop indicator light will flash slowly.

If the dishwasher is not switched off at the end of the programme and the door is not opened, it will switch off completely after a few minutes in Standby mode.

The Optimise standby function can be deactivated if wished. The time display and the indicator lights will not go out, and the time lapse before the dishwasher switches off will increase to approx. 6 hours, resulting in higher energy consumption.

The dishwasher will not switch into Standby mode whilst a programme is running, if salt or rinse aid needs to be replenished or there is a fault.

- Switch the dishwasher off using the On/Off button ⏻.
- Press the Start/Stop button in and, **whilst holding it in**, switch the dishwasher on using the On/Off button ⏻.
  Keep the Start/Stop button pressed in until the Start/Stop indicator light comes on.

If this does not happen, start the procedure again from the beginning.

- Press the Delay start button eight times.

The "Delay start" indicator will flash briefly eight times at intervals.

The flashing sequence in the display shows what the current setting is.

– "*P 1*": Optimise standby is activated.

– "*P 0*": Optimise standby is deactivated.

- If you want to change the setting, press the Start/Stop button.

The setting is now stored in memory.

- Switch the dishwasher off using the On/Off button ⏻.

Factory default

If you have altered any settings from the factory default, you can re-set them back to the factory default settings as follows:

- Switch the dishwasher off using the On/Off button ⏻.
- Press the Start/Stop button in and, **whilst holding it in**, switch the dishwasher on using the On/Off button ⏻.
  Keep the Start/Stop button pressed in until the Start/Stop indicator light comes on.

If this does not happen, start the procedure again from the beginning.

- Press the Delay start button twelve times.

The Delay start indicator light will give one long flash and two brief flashes at intervals.

The flashing sequence in the display shows what the current setting is.

– "*P 1*": All settings are set to factory default settings.

– "*P 0*": At least one setting has been changed.

- To reset the dishwasher to the factory default settings, press the Start/Stop button.

The setting is now stored in memory.

- Switch the dishwasher off using the On/Off button ⏻.

Check the condition of your dishwasher regularly (approx. every 4 - 6 months). This way faults and problems can be avoided.

⚠ The outer surfaces of the dishwasher are susceptible to scratching.
Contact with unsuitable cleaning agents can alter or discolour the outer surfaces.

Cleaning the wash cabinet

The wash cabinet is largely self-cleaning, provided that the correct amount of detergent is always used.

If, however, there are limescale or grease deposits in the cabinet, these can be removed with the Original Miele dishwasher conditioning agent (available from Miele or at www.miele-shop.com, depending on country). Follow the dosage recommended by the manufacturer on the packaging.

If you only wash at low temperatures (< 50 °C) over a long period of time, organic deposits and unpleasant odours can form in the machine. To clean the wash cabinet and prevent the formation of unpleasant odours, the "Pots & pans 75 °C" programme should be run at least once a month.
You should also clean the filters in the wash cabinet on a regular basis.

Cleaning the door and the door seal

- Wipe the door seal regularly with a damp cloth to remove food deposits.
- When the dishwasher is being loaded, food and drink residues may drip onto the sides of the dishwasher door.

These surfaces are outside the wash cabinet and are not accessed by water from the spray arms. Any soiling should be wiped off these surfaces before the door is closed to avoid the formation of mould inside the wash cabinet.

Cleaning the door front

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

- Clean the front using a sponge, a solution of warm water and a little washing-up liquid. Wipe dry using a soft cloth.
  For cleaning, you can also use a clean, damp microfibre cloth without any cleaning agent.

To avoid damaging the outer surface, do not use:

- cleaning agents containing soda, ammonia, acids or chlorides,
- cleaning agents containing descaling agents,
- abrasive cleaning agents, e.g. powder cleaners and cream cleaners,
- solvent-based cleaning agents,
- stainless steel cleaners,
- dishwasher cleaner,
- oven sprays,
- glass cleaning agents,
- hard, abrasive sponges and brushes, e.g. pot scourers,
- dirt erasers,
- sharp metal scrapers,
- steam cleaners.

Cleaning the filters in the wash cabinet

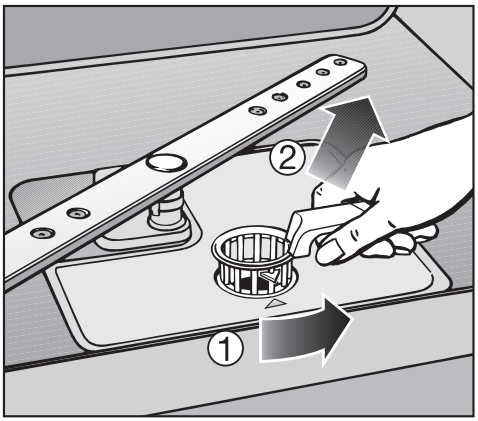
The filter combination in the base of the wash cabinet retains coarse soil from the suds solution, preventing it accessing the circulation system and re-entering the cabinet through the spray arms.

⚠ This dishwasher must not be used without all the filters in place.

Collection of coarse soil may cause the filters to clog. The level of soiling and time it takes before the filters need cleaning will vary depending on use.

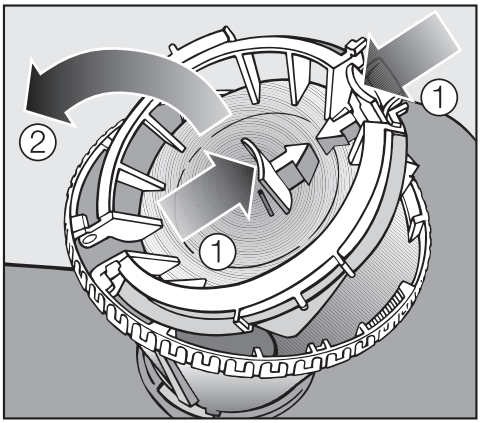
Check the condition of the filters regularly and clean them if necessary.

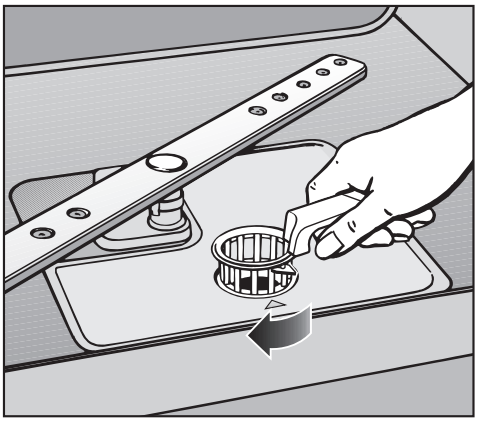
- Switch the dishwasher off.



- Turn the handle anti-clockwise to release the filter combination ①.
- Take the filter combination out ②, remove any coarse particles and rinse the filter well under running water. Use a nylon brush if necessary.

⚠ Ensure that coarse soil doesn't get into the circulation system and cause a blockage.





To clean the inside of the filter, the flap must be opened:

- Press catches ① together in the direction of the arrows as shown, and open the filter ②.
- Rinse all the filters under running water.
- Then close the flap so that the catch engages.
- Replace the filter combination so that it lies flat in the base of the wash cabinet.
- Then turn the handle clockwise until both arrows point towards each other. The filter combination is locked in place.

⚠ Take care when you are fitting the filter combination that it is secured in position correctly. Otherwise coarse soil could get into the circulation system and cause a blockage.

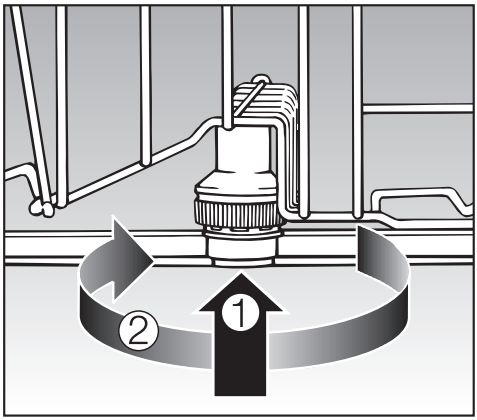
Cleaning the spray arms

Particles of food can get stuck in the spray arm jets and bearings. The spray arms should therefore be inspected and cleaned regularly (approx. every 4 - 6 months).

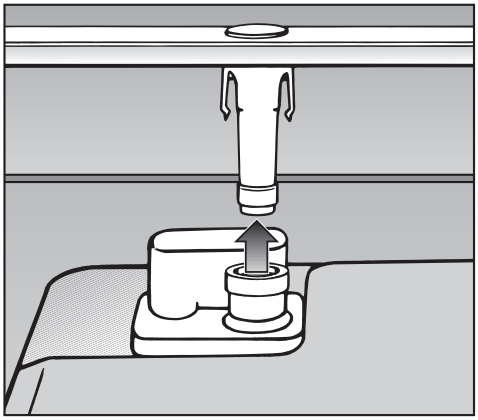
- Switch the dishwasher off.

Remove the spray arms as follows:

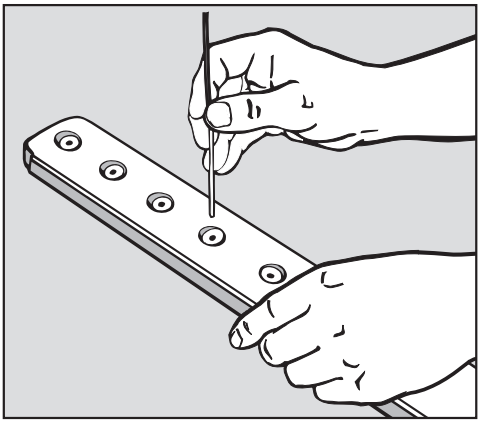
- Take out the cutlery tray (if your dishwasher is fitted with one).
- Push the **top** spray arm upwards to engage the inner ratchet. Then unscrew the spray arm.



- Push the **middle** spray arms upwards ① to engage the ratchet. Then unscrew the spray arm ②.
- Remove the lower basket.



- Pull the **lower** spray arm firmly upwards to remove it.



- Use a pointed object to push food particles into the spray arm jets.
- Rinse thoroughly under running water.
- Replace the spray arms and check that they rotate freely.

Problem solving guide

With the aid of the following guide, minor problems can be easily corrected without contacting Miele. This will save time and money.
Please note that a call-out charge will be applied to unnecessary service visits where the problem could have been rectified as described in these operating instructions.

Please note:

⚠ Installation work and repairs to electrical appliances must only be carried out by a suitably qualified and competent person in strict accordance with current local and national safety regulations. The manufacturer cannot be held liable for unauthorised work.

Technical problems

Problem	Possible cause	Remedy
The Start/Stop indicator does not flash after the dishwasher has been switched on using the On/Off button ⏻.	The appliance is not plugged in.	Insert the plug and switch on at the socket.
	The fuse is defective or has tripped.	Reset or replace the fuse (Minimum fuse rating - see data plate).
The dishwasher stops during a programme.	The fuse is defective or has tripped.	– Reset or replace the fuse (Minimum fuse rating - see data plate). – If the same mains fuse trips again, call Miele.

Problem	Possible cause	Remedy
The Inlet/Drain and Rinse aid indicator lights flash simultaneously. Fault code FXX appears in the time display.	There may be a technical fault.	– Switch the dishwasher off with the On/Off button ⏻. After a few seconds: – Switch the dishwasher on. – Select the programme required with the Programme selector button. – Press the Start/Stop button. If the indicator lights flash again, there is a technical fault. – Call Miele.
The drain pump works even when the door is open.	Fault F70: The Waterproof system has reacted.	– Turn off the tap. – Call Miele.

The dishwasher does not fill/drain.		
Problem	**Possible cause**	**Remedy**
The Inlet/Drain indicator light flashes.	The tap is turned off.	Turn on the tap fully.
The dishwasher stops during a programme. The Inlet/Drain indicator light flashes. Fault code FXX appears in the display.		Before rectifying the problem, you must: – Switch the dishwasher off with the On/Off button ⏻.
	Fault F12/F13: Water intake is restricted.	– Turn on the tap fully. – Clean the water inlet filter (see "Maintenance"). – The water pressure at the intake is lower than 30 kPa (0.3 bar). Seek professional advice.
	Fault F11: Water outlet is restricted, water remains in the wash cabinet at the end of a programme.	– Clean the filter combination (see "Cleaning and care"). – Clean the drain pump (see "Maintenance"). – Clean the non-return valve (see "Maintenance"). – Remove any kink in the drain hose.

General problems

Problem	Possible cause	Remedy
The indicator lights and the time display are dark. Only the Start/Stop indicator light is flashing slowly.	The indicator lights and the time display have switched off automatically to save energy (Standby mode).	Press the On/Off button ⏻. Standby will be cancelled.
Detergent residue is left in the dispenser at the end of a programme.	The dispenser was still damp when detergent was added.	Make sure the dispenser is dry before adding detergent.
The detergent dispenser lid cannot be closed properly.	Clogged detergent residue is blocking the catch.	Clean the detergent from the catch.
At the end of a programme there is a film of moisture on the inside of the door and the interior walls.	This is caused by the drying system and does not indicate a fault.	The moisture will dissipate after a short while.
Water remains in the wash cabinet at the end of a programme.		Before rectifying the problem, you must: – Switch the dishwasher off with the On/Off button ⏻.
	The filter combination in the wash cabinet is clogged.	Clean the filter combination (see "Cleaning and care").
	The drain pump or non-return valve may be blocked.	Clean the drain pump or the non-return valve (see "Maintenance").
	The drain hose is kinked.	Remove any kink from the drain hose.

Noises		
Problem	**Possible cause**	**Remedy**
Knocking noise in the wash cabinet.	A spray arm is knocking against an item in a basket.	Interrupt the programme, and rearrange the items which are obstructing the spray arm.
Rattling noise in the wash cabinet.	Items of crockery are insecure in the wash cabinet.	Interrupt the programme, and rearrange the items of crockery.
	A foreign object (e.g. a cherry stone) has becomed lodged in the drain pump.	Remove the foreign object from the drain pump (see "Maintenance - Cleaning the drain pump and non-return valve").
Knocking noise in the water pipes.	This may be caused by the on-site installation or the cross-section of the piping.	This has no influence on dishwasher function. If in doubt, contact a suitably qualified plumber.

Unsatisfactory washing result

Problem	Possible cause	Remedy
The dishes are not clean.	The dishes were not loaded correctly.	See notes in "Loading the dishwasher".
	The programme was not powerful enough.	Select a more intensive programme (see "Programme chart").
	There is some stubborn soiling although most of the crockery is only lightly soiled (e.g. with tea stains).	Use the "Adjust Sensor wash" function (see "Additional functions").
	Not enough detergent was used.	Use more detergent, or change your detergent.
	Items are blocking the path of the spray arms.	Rearrange the items so that the spray arms can rotate freely.
	The filter combination in the base of the wash cabinet is not clean or is not correctly fitted. This may cause the spray arm jets to become blocked.	Clean and/or fit the filter combination correctly. Clean the spray arm jets (see "Cleaning and care").
	The non-return valve is blocked in the open position. Dirty water has flowed back into the wash cabinet.	Clean the drain pump and the non-return valve (see "Maintenance").
Smearing appears on glassware and cutlery, there is a bluish sheen on the surface of glassware; film can be wiped off.	The rinse aid dosage is set too high.	Reduce the dosage (see "Before using for the first time - Rinse aid").

Problem solving guide

Problem	Possible cause	Remedy
Dishes, cutlery and glasses are not dry or are flecked.	The amount of rinse aid may be insufficient, or the rinse aid reservoir is empty.	Replenish the reservoir, increase the dosage or change the brand of rinse aid (see "Before using for the first time - Rinse aid").
	Items were taken out of the cabinet too soon.	Leave them in for longer (see "Operation").
	Combination products have been used which have impaired drying performance.	Change your detergent, or replenish the rinse aid (see "Rinse aid").
White residue is visible on cutlery and crockery, clouding occurs on glassware; film can be wiped off.	Not enough rinse aid was used.	Increase the dosage (see "Before using for the first time - Setting the rinse aid dosage").
	There is no salt in the salt reservoir.	Fill the salt reservoir (see "Before using for the first time - Filling the salt reservoir").
	The salt reservoir cap has not been screwed on correctly.	Replace it, making sure that it screws back on correctly.
	An unsuitable combination detergent has been used.	Change your detergent. Use standard tablets or powder detergent.
	The water softener is programmed to a setting which is too low.	Select a higher water softener setting (see "Water softener").

Problem	Possible cause	Remedy
Glassware has a brown or blue tinge, and film cannot be wiped off.	This may be caused by the detergent.	Change your detergent.
Glassware is dull and discoloured; film cannot be wiped off.	The glassware is not dishwasher-proof. The surfaces are affected.	There is no remedy. Purchase glassware which is dishwasher-proof.
Tea or lipstick stains have not been completely removed.	The wash temperature of the selected programme was too low.	Select a programme with a higher wash temperature.
	The bleaching effect of the detergent used is too low.	Change your detergent.
Plastic items are discoloured.	Natural dyes e.g. from carrots, tomatoes or ketchup may be the cause. The amount of detergent used or its bleaching effect was not sufficient to deal with natural dyes.	Use more detergent (see "Operation - Detergent"). Discolouration is irreversible.
There are rust stains on cutlery.	The affected items are not corrosion resistant.	There is no remedy. Purchase cutlery which is dishwasher safe.
	A programme was not run after dishwasher salt was added. Traces of salt have got into the wash cycle.	Always run the "Gentle 45 °C" programme with the "Turbo" function, without any crockery in the dishwasher, after adding dishwasher salt.
	The salt reservoir cap has not been screwed on correctly.	Replace it, making sure that it screws back on correctly.

Cleaning the water inlet filter

A filter is incorporated in the screw connection of the valve on the water inlet hose. The filter must be cleaned when dirty, otherwise insufficient water will flow into the wash cabinet.

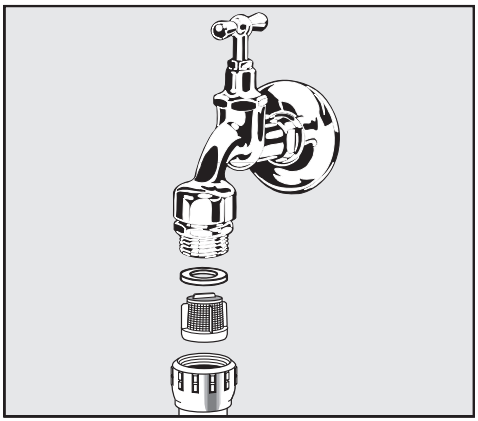
⚠ The plastic housing of the water connection contains an electrical component. It must not be dipped in water.

Recommendation

If the mains water contains a large amount of insoluble substances, we recommend fitting a large-area filter in the connection between the tap and the water inlet hose threaded union. This filter is available from Miele.

Cleaning the filter:

- Disconnect the dishwasher from the mains supply. Switch off at the mains socket and withdraw the plug.
- Close the tap.
- Unscrew the inlet hose.

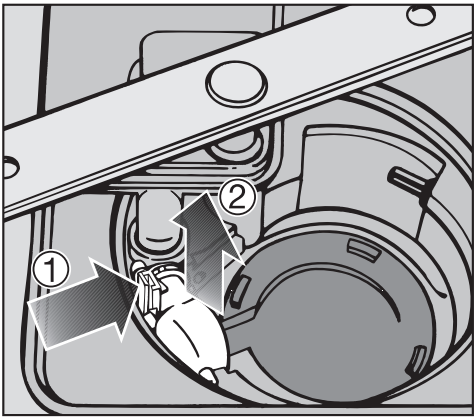


- Carefully remove the seal.
- Withdraw the filter using pointed pliers and rinse clean under running water.
- Replace the filter and seal, making sure they are sitting correctly.
- Reconnect the inlet hose to the tap, making sure it goes on correctly and is not cross-threaded.
- Turn on the tap gradually to test for leaks. If there is a leak, the inlet hose might not be on securely, or it may have been screwed on at an angle. Unscrew and reconnect the water inlet valve correctly.

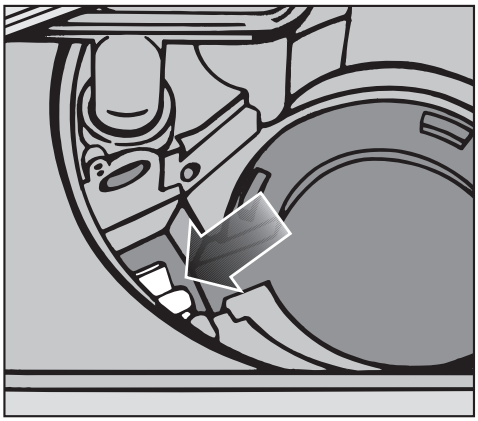
Cleaning the drain pump and non-return valve

If the water has not been pumped away at the end of a programme, the drain pump or the non-return valve might be blocked. They are, however, easy to clean.

- Disconnect the dishwasher from the mains supply. Switch off at the mains socket and withdraw the plug.
- Take the filter combination out of the wash cabinet (see "Cleaning and care - Cleaning the filters in the wash cabinet").
- Scoop the water out of the cabinet using a suitable container or utensil.



- Press the catch for the non-return valve inwards ①.
- Lift out the non-return valve ②, and rinse well under running water.
- Remove all foreign objects from the non-return valve.



The drain pump is situated under the non-return valve (see arrow).

- Remove all foreign objects from the drain pump (watch out for glass or bone splinters which are particularly difficult to detect and could cause injury). Turn the drain pump impeller by hand to check that there are no more obstructions. You will feel a little resistance when you turn the impeller.
- Carefully replace the non-return valve and secure it with the catch.

⚠ Ensure that the catch engages correctly.

Be careful not to damage any delicate components when cleaning the drain pump and the non-return valve.

Repairs

In the event of any faults that you cannot remedy yourself, please contact:

– Miele

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

■ When contacting Miele, please quote the model type and serial number of your appliance, both of which are shown on the data plate on the right-hand side of the door.

Future updates

The programme update function is designed to enable a service technician to update your appliance's electronics in keeping with advances in technology.

Information regarding programme updates will be made known by Miele as and when such developments become available.

Test standard:	AS/NZS 2007.1:2005, AS/NZS 2007.2:2005; AS/NZS 6400:2005
Standard programme for energy label comparison tests:	Energy Save
Capacity:	14 place settings
Amount of detergent:	**5.0 g in compartment I,** **27.5 g in compartment II**
Rinse aid dispensing:	Setting 5 (approx. 5 ml)
Drying measurements:	Door ajar using a block of approximately 50 mm upon completion of dry test.
Upper basket level: Position:	Bottom

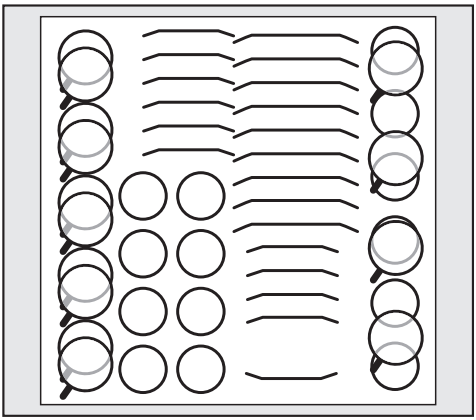
Loading examples

Pictures illustrating how to load the dishwasher are shown on the following pages.

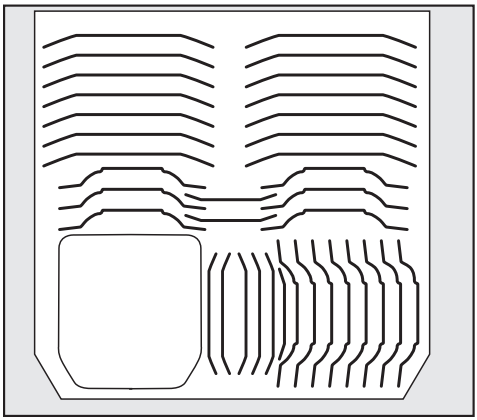
Do not collapse or remove inserts.

Press the bottle holder inwards and remove it from the bottom basket.

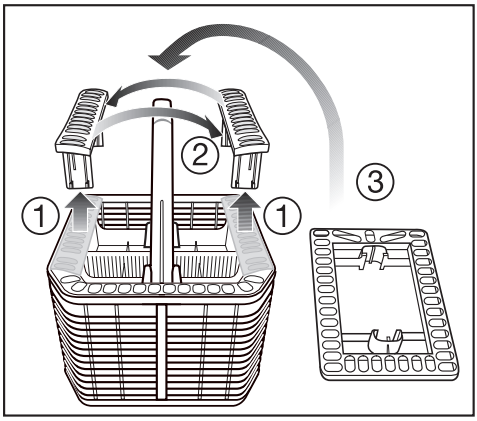
Comparison tests

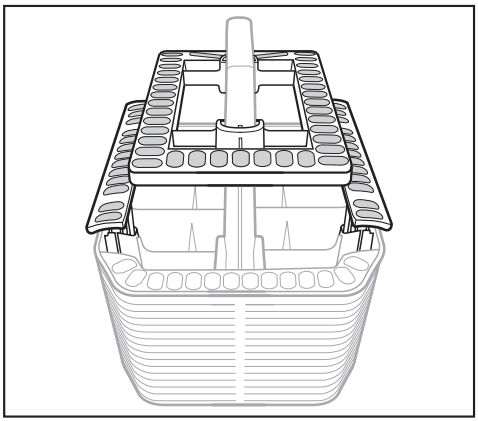


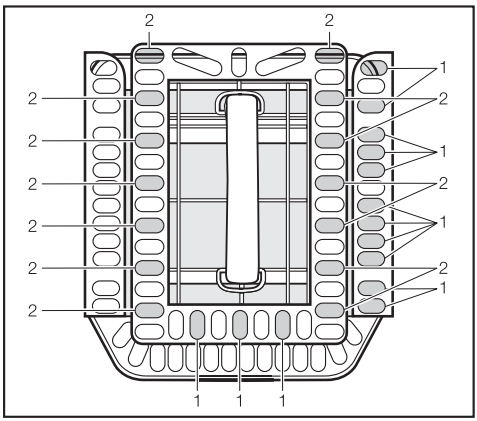
Upper basket

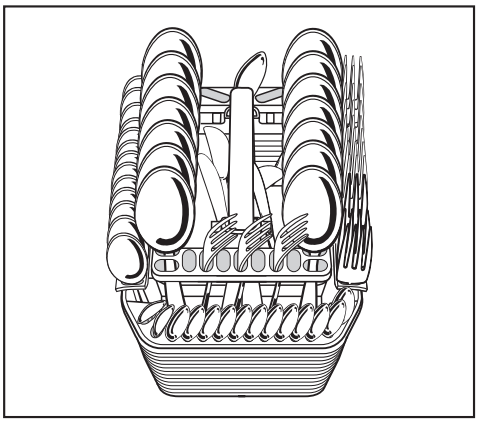


Lower basket





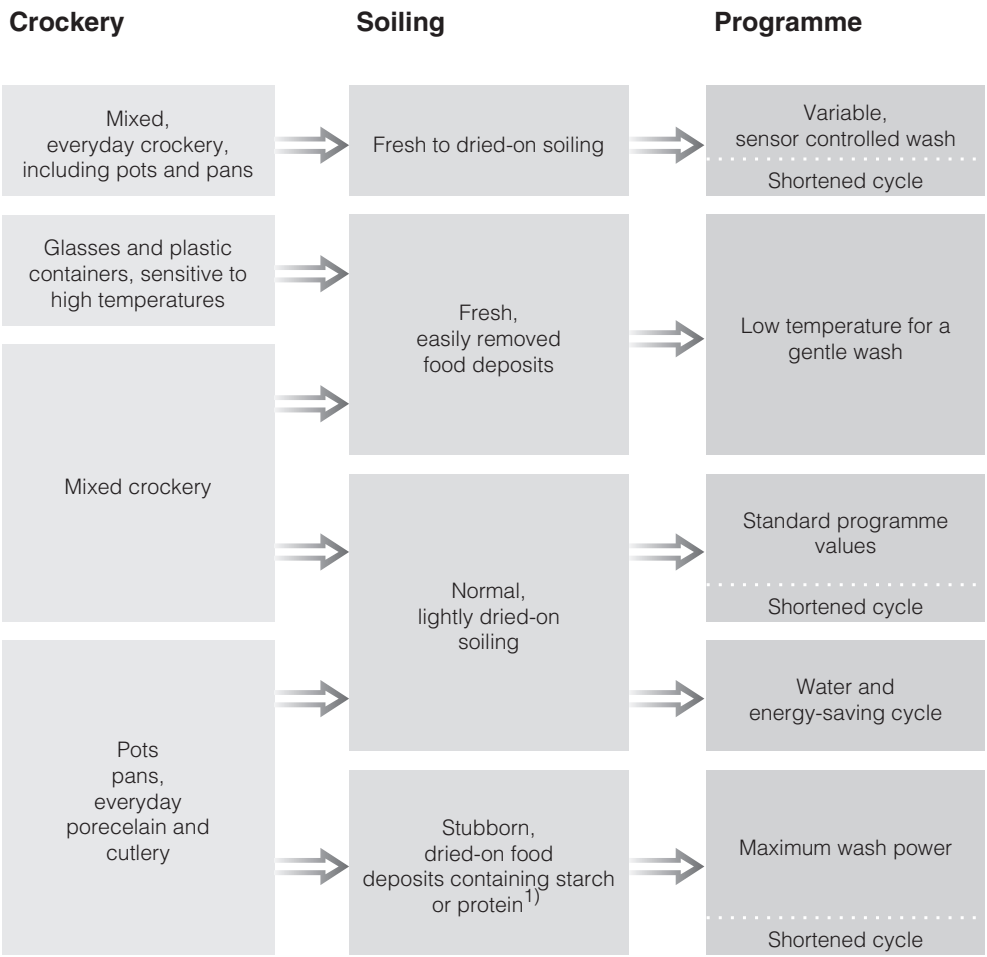




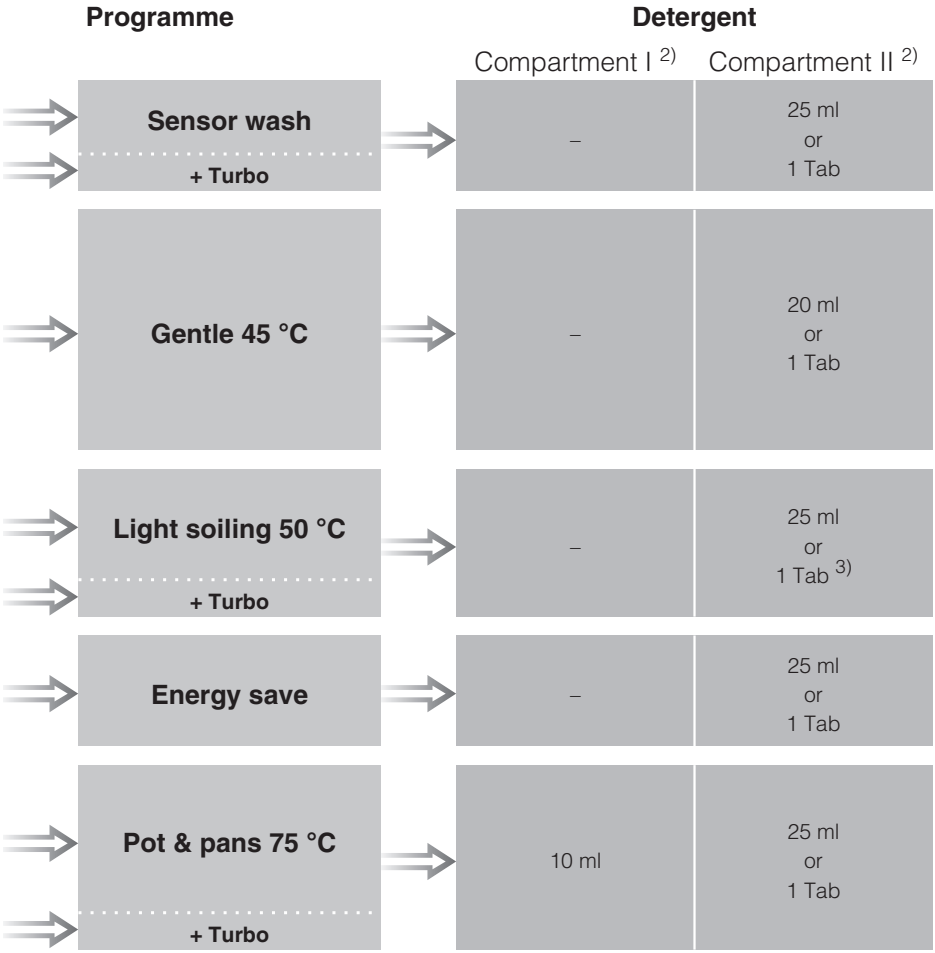
Cutlery basket

1 Fork
2 Soup spoon

Programme chart



1) Food such as potatoes, rice, pasta, stews or bakes can leave starchy deposits on crockery. Deposits containing protein can be left by food such as meat, fish, eggs or casseroles.



2) see "Detergent"

3) In some cases, tabs may not dissolve completely.

Programme chart

Programme	Programme sequence					
	Pre-wash	Main wash °C	Interim rinse		Final rinse °C	Drying
			1	2		
Sensor wash	Variable programme sequence, sensor controlled adjustment to amount of crockery and soiling					
	If required	45-65	If required		68	X
Gentle 45 °C	X	45	X		55	X
Energy save [1)]	X	50			50	X
Light soiling 50 °C		50	X		68	X
Pots & pans 75 °C	X	75	X		68	X

1) Standard programme for energy labelling

Consumption			Duration	
Energy		Water		
Cold water connection 15 °C kWh	Hot water connection 55 °C kWh 2)	Litres	Cold water connection 15 °C h:min	Hot water connection 55 °C h:min
1.10-1.60	0.70-1.00	13.0-22.0	1:35-2:34	1:23-2:21
1.00	0.50	17.0	1:40	1:30
0.88	0.37	14.0	2:22	2:11
1.30	0.95	13.0	1:32	1:20
1.70	1.20	17.0	2:40	2:30

2) The electrical energy used by the appliance.

Note: The electrical energy stated does not take into consideration the hot water supply energy from an external source.

The durations given can vary depending on individual circumstances.

Selecting the "Turbo" function (depending on model) can reduce the programme duration by up to 50 minutes with an increase in electricity consumption of up to 0.2 kWh.

Optional accessories

To make the most of your dishwasher

Optional accessories for particular purposes are available from your Miele Chartered Agent or from Miele (some may be supplied as standard, depending on model).

If you would like to …	you will need to order …
... wash a Miele Cappuccinatore	… a Cappuccinatore insert for the upper basket
... wash additional items of cutlery	… a cutlery basket for the lower basket
... wash long-stemmed glassware	… a glass rack for the lower basket

This dishwasher is supplied with a mains cable and moulded plug ready for connection to an AC single phase supply, (230 V 50 Hz for NZ and Australia) via a fused plug and suitable switched socket.

⚠ The electrical socket must be easily accessible after the dishwasher has been installed.
Do not connect the washing machine 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).

If the connection cable is damaged, it must be replaced with a Miele cable by a Miele approved service technician only.

Connection should be made via a suitable switched socket which is easily accessible. For extra safety, it is advisable to install a suitable residual current device (RCD).
The appliance must not be connected to an isolated inverter which is connected to a self-sufficient power supply, e.g. solar power supply. Voltage peaks when the appliance is switched on can cause a safety switch-off and the electronics may also be damaged. The appliance must not be operated in conjunction with energy-saving plugs either as the energy intake of the appliance is reduced and it will overheat.

⚠ Before connecting the dishwasher, check that the connection data on the data plate (voltage and rated load) matches the mains electricity supply. If in any doubt, consult a qualified electrician.

Technical data can be found on the data plate on the right-hand side of the door.

The Miele Waterproof system

Provided that your dishwasher has been installed correctly, the Miele waterproof anti-leak system will protect you from water damage throughout its lifetime.

Connection to the water supply

⚠ Water in the dishwasher must not be used as drinking water.

– The dishwasher may be connected to a cold or hot water supply, max. 60 °C.
We would only recommend connection to a hot water supply if it is economical. When connected to a hot water supply, all programme stages which would otherwise be carried out with cold water will be carried out with hot water, thus increasing time and energy costs.

– The inlet hose is approx. 1.5 m long. A 1.5 m long flexible metal extension hose, pressure tested to 14000 kPa/ 140 bar, is available as an optional accessory if required.

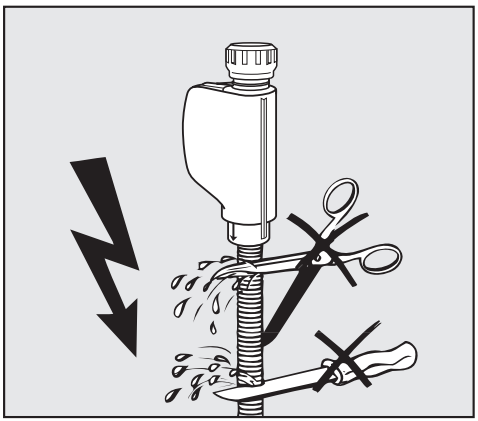
– A $^{3}/_{4}$ " male thread must be provided on site.

– The dishwasher is constructed to comply with Australian regulations, and may be connected to a suitable supply without an extra non-return valve if national regulations allow this.

– The water pressure (flow pressure at the take-off point) must be between 30 and 1000 kPa (0.3 and 10 bar). If the water pressure is too high, a pressure reducer valve must be fitted.

After commissioning the appliance, ensure that the water inlet does not leak.

⚠ To avoid any damage to the appliance, the dishwasher must only be connected to a fully vented plumbing system.



⚠ The inlet hose must **not** be shortened or damaged in any way as it contains electrical components (see illustration).

Connection to the drainage system

– The appliance drainage system is fitted with a non-return valve, which prevents dirty water from flowing back into the dishwasher via the drain hose.

– The dishwasher is supplied with approx. 1.5 m of flexible drain hose with an internal diameter of 22 mm.

– The drain hose can be extended using a connection piece to attach a further length of hose.
The drainage length must not be longer than 4 m, and the delivery head must not exceed 1 m.

– If the hose is to be directly fitted to the drainage outlet on site, use the hose clip supplied (see installation diagram).

– The hose can be directed to the left or the right of the appliance.

– The on-site connector for the drain hose can be adapted to different widths of hose. If the connector protrudes too far into the drain hose, it will need to be shortened. Otherwise the drain hose may become blocked.

– The drain hose must not be shortened.

⚠ Make sure that there are no kinks in the hose, and that it is not squashed or stretched.

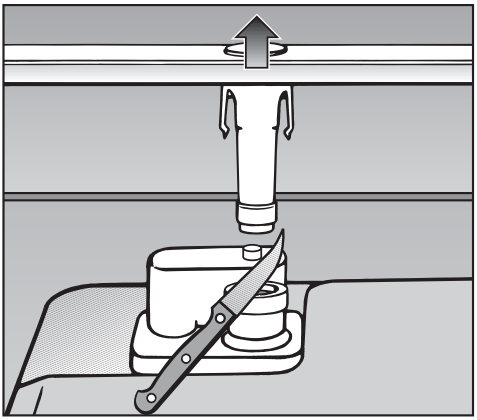
After commissioning the appliance, ensure that the water outlet does not leak.

Venting the drainage system

If the on-site drain connection is situated lower than the guide path for the bottom basket rollers in the open door, the drainage system must be vented. Otherwise a siphoning effect during a programme can cause the appliance to empty itself of water.

To vent it:

■ Open the dishwasher door fully.



■ Pull the lower spray arm firmly upwards to remove it.

■ Cut off the top of the vent valve in the wash cabinet.

Technical data

Dishwasher model	Standard	XXL
Height freestanding	84.5 cm (adjustable + 3.5 cm)	-
Height built-in	80.5 cm (adjustable + 6.5 cm)	84.5 cm (adjustable + 6.5 cm)
Height of building-in recess	Min. 80.5 cm (+ 6.5 cm)	Min. 84.5 cm (+ 6.5 cm)
Width	59.8 cm	59.8 cm
Width of building-in recess	60 cm	60 cm
Depth: Freestanding Built-in	 60 cm 57 cm	 - 57 cm
Weight	Max. 67 kg	Max. 59 kg
Voltage	230 V	230 V
Rated load	2200 W	2200 W
Fuse rating	10 A	10 A
Test certificates awarded	Electrical Safety, WaterMark, C-Tick Mark	Electrical Safety, WaterMark, C-Tick Mark
Water pressure (flow rate)	30 - 1000 kPa (0.3 - 10 bar)	30 - 1000 kPa (0.3 - 10 bar)
Hot water connection	Up to max. 60 °C	Up to max. 60 °C
Delivery head	Max. 1 m	Max. 1 m
Drainage length	Max. 4 m	Max. 4 m
Mains cable	approx. 1.7 m	approx. 1.7 m
Capacity	14 place settings	15 place settings

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