

## Operating instructions Washing machine



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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## Warning and Safety instructions

This washing machine complies with all current local and national safety requirements. However, inappropriate use can lead to personal injury and damage to property.

Read the operating instructions carefully before using the washing machine. They contain important information on safety, installation, use and maintenance of the appliance. This prevents both personal injury and damage to the washing machine.

In accordance with standard IEC 60335-1, Miele expressly and strongly advises that you read and follow the instructions in “Installation”, as well as in the “Warning and Safety instructions”.

Miele cannot be held liable for injury or damage caused by non-compliance with these instructions.

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

### Correct application

- ▶ This washing machine 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 washing machine is not suitable for outdoor use.
- ▶ It must only be used to wash garments which have been declared suitable for washing by the manufacturer indicated on the garment care label. Any other use is not permitted. Miele cannot be held liable for damage resulting from incorrect or improper use or operation.
- ▶ This washing machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning its use by a person responsible for their safety.

### 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.

## Warning and Safety instructions

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- ▶ Cleaning work may only be carried out by older children under the supervision of an adult.
- ▶ Please supervise children in the vicinity of the washing machine and do not let them play with it.

### Technical safety

- ▶ Please observe the instructions in “Installation” and “Technical data”.
- ▶ Before setting up the washing machine, check it for any externally visible damage. Do not install or use a damaged machine.
- ▶ Before connecting the washing machine, ensure that the connection data on the data plate (fuse rating, voltage and frequency) matches the mains electricity supply. If in any doubt, consult a qualified electrician.
- ▶ Temporary or permanent operation with a self-sufficient or non-mains synchronous energy supply system (e.g. isolated networks, back-up systems) is possible. A requirement for the operation is that the energy supply system complies with all current local and national requirements that apply to stand-alone, solar and/or battery systems. The protective measures provided in the installation and in this Miele product must also be assured in their function and operation in isolated operation or in non-mains synchronous operation, or replaced with equivalent measures in the installation.
- ▶ Reliable and safe operation of this washing machine can only be assured if it has been connected to the mains electricity supply.
- ▶ The electrical safety of this washing machine can only be guaranteed when continuity is complete between it and an effective earthing system which complies with current local and national safety regulations. It is most important that this basic safety requirement is present and regularly tested and, where there is any doubt, the household wiring system should be inspected by a qualified electrician. Miele cannot be held liable for the consequences of an inadequate earthing system (e.g. electric shock).
- ▶ Do not connect the washing machine to the mains electricity supply by a multi-socket adapter, extension lead or similar. These do not guarantee the required safety of the machine (fire hazard due to the risk of overheating).

## Warning and Safety instructions

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- ▶ Faulty components must only be replaced by genuine Miele spare parts. Miele can only guarantee the safety of the appliance when Miele replacement parts are used.
- ▶ The electrical socket must be easily accessible after installation so that the machine can be disconnected from the electricity supply if necessary.
- ▶ Unauthorised repairs could result in unforeseen dangers for the user, for which Miele cannot accept liability. Repairs should only be undertaken by a Miele authorised service technician, otherwise any subsequent damage will not be covered by the warranty.
- ▶ The manufacturer's warranty will be invalidated if the appliance is not repaired by a Miele approved service technician.
- ▶ If the connection cable is faulty, it must only be replaced by a Miele approved service technician to protect the user from danger.
- ▶ In the event of a fault or for cleaning purposes, the washing machine is only completely isolated from the electricity supply when:
  - it is switched off at the wall socket and the plug is withdrawn, or
  - it is switched off at the mains circuit breaker.
- ▶ The machine must only be connected to the on-site water supply using a new hose kit. Old hose kits must not be re-used. Check the condition of the hoses regularly so that you can replace them in good time and avoid the risk of any water damage.
- ▶ The water flow pressure must be at least 100 kPa and must not exceed 1000 kPa.
- ▶ This washing machine must not be installed and operated in mobile installations (e.g. on a ship).
- ▶ Do not make any alterations to the machine, unless authorised to do so by Miele.
- ▶ In areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the machine 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 machine warranty.

# Warning and Safety instructions

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## Correct use

▶ Do not install the washing machine in a room where there is a risk of frost. Frozen hoses may burst or split. The reliability of the electronic control unit may be impaired at temperatures below freezing point.

▶ Before using the machine for the first time, check that the transit bars at the rear of the machine have been removed (see “Installation - Removing the transit bars”). During spinning, a transit bar which is still in place may result in damage to both the machine and adjacent furniture or appliances.

▶ Turn off the tap if the machine is to be left for any length of time (e.g. holiday), especially if there is no floor drain (gully) in the immediate vicinity.

▶ Flooding danger.

If hooking the drain hose into a laundry washtub, check that the water can drain off quickly enough to prevent the laundry tub from overflowing. Make sure the drain hose is secure, so that the force of the water flowing out of the hose does not dislodge it.

▶ Take care to ensure that foreign objects (e.g. nails, pins, coins, paper clips) do not find their way into the machine with the laundry. These may damage components of the machine (e.g. suds container, drum), which in turn can result in damage to the laundry.

▶ Take care when opening the drum door after using the steam function. There is a danger of burning due to escaping steam and the high temperature of the surface of the drum as well as the porthole glass. Stand back away from the machine and wait until the steam has dissipated.

▶ The maximum load for this washing machine is 8.0 kg (dry weight). See the “Programme chart” for the maximum recommended loads for individual programmes.

▶ If the correct amount of detergent is dispensed, the machine should not need to be descaled. If, however, you do wish to descale it, only use a proprietary natural citric acid based descaling agent. Miele recommends using Miele descaler for washing machines which is available to order online at [shop.miele.com](http://shop.miele.com) (depending on country) or from Miele. Strictly observe the instructions on the packaging.

▶ Textiles which have been pre-treated in solvent based cleaning agents must be thoroughly rinsed in clean water before being washed in the machine.



## Warning and Safety instructions

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- ▶ Do not use solvent based cleaning agents, e.g. those containing benzene, in this machine, as this may result in damage to component parts and create toxic fumes. Such agents also pose a fire and explosion hazard.
- ▶ Do not use solvent based cleaning agents, e.g. those containing benzene, to clean the external surfaces of the machine. They can cause damage to plastic surfaces.
- ▶ Only use dyes specified by the manufacturer as being suitable for use in a domestic washing machine. Always observe the manufacturer's instructions carefully.
- ▶ Colour run and dye removers contain sulphur compounds which can cause damage such as corrosion. Do not use these products in this machine.
- ▶ If detergent comes into contact with the eyes, rinse them thoroughly with lukewarm water immediately. If swallowed, seek medical assistance immediately and retain the packaging or label for reference. Those with skin problems or sensitive skin should avoid their skin coming into contact with detergent.

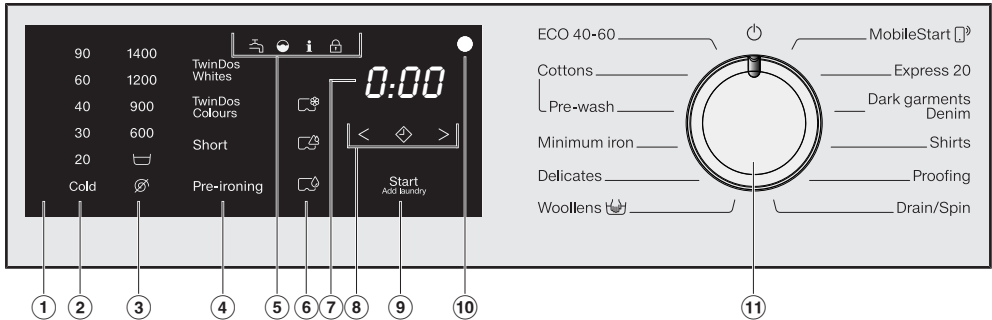
### Accessories and spare parts

- ▶ Only use original Miele accessories and spare parts. If other parts are used, warranty, performance and product liability claims will be invalidated.
- ▶ A Miele tumble dryer can be stacked on top of a Miele washing machine using the appropriate stacking kit (available as an optional accessory). Please make sure you order the correct one for the Miele washing machine and Miele tumble dryer.
- ▶ Miele will guarantee to supply functional spare parts for a minimum of 10 years and up to 15 years following the discontinuation of your washing machine.

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

# Operating the washing machine

## Control panel



### ① Control panel

The control panel consists of a time display and various sensor controls. The individual sensors are explained in the following.


### ② Sensor controls – temperature for selecting the temperature.


### ③ Sensor controls – spin speeds for selecting the spin speed.


### ④ Sensors for TwinDos and Extras


You can activate TwinDos dispensing for a wash programme and add Extras to the programme. When a wash programme is selected, the sensors for the TwinDos dispensing option and Extras light up dimly.

### ⑤ Indicator lights


 Lights up if there are faults with the water inlet and drainage.


 Lights up if excess detergent was used.


 Lights up together with 7 in the time display as a reminder about hygiene information. Lights up together with 2 in the time display as a reminder about TwinDos cleaning.

 The *Add laundry* function cannot be selected.

### ⑥ Sensor controls – CapDosing

 CapDosing of fabric care products (e.g. fabric softener)

 CapDosing of additives (e.g. booster)

 CapDosing of detergent (for the main wash only)

## ⑦ Time display

After the programme has started, the programme duration will appear in the display in hours and minutes. When Delay start is being used, the programme duration will appear after the Delay start time has elapsed.

## ⑧ < ◊ > sensor controls

The Delay start time selected will appear in the time display. After the programme has started, the Delay start time will begin to count down.

Once the Delay start time has elapsed, the programme begins and the estimated programme duration appears in the time display.

◊ After touching the ◊ sensor, a later start time for the programme (Delay start) can be selected. Once selected, ◊ lights up brightly.

> The duration of the Delay start period is increased by touching the > sensor.

< The duration of the Delay start period is reduced by touching the < sensor.

## ⑨ Start/Add laundry sensor

Ⓐ The programme can be started as soon as the sensor is flashing on and off. Touching the *Start/Add laundry* sensor starts the selected programme. The sensor lights up constantly.

Ⓑ Once the programme has been started, the *Start/Add laundry* sensor allows you to add laundry.

## ⑩ Optical interface

For service technicians.

## ⑪ Programme selector

For selecting programmes and for switching off the appliance. The washing machine is switched on by selecting a programme, and switched off by turning the programme selector to the ⏻ position.

## How the control panel works

The ②, ③, ④, ⑥, ⑧ and ⑨ sensors react to fingertip contact. Selection is possible as long as the respective sensor is illuminated.

If a sensor is brightly lit, this means: currently selected

If a sensor is dimly lit, this means: selection possible

# Caring for the environment

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## Disposal of the packing material

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

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

Ensure that any plastic wrappings, bags etc. are disposed of safely and kept out of the reach of babies and young children. Danger of suffocation.

**Only for Australia:** Note for installer: Expanded polystyrene (EPS) packaging included. Please retain and dispose of EPS packaging responsibly. For further information, please contact Miele.


## Disposing of your old appliance

Electrical and electronic appliances often contain valuable materials. They also contain specific materials, compounds and components, which were essential for their correct function and safety. These could be hazardous to human health and to the environment if disposed of with your domestic waste or if handled incorrectly. Please do not, therefore, dispose of your old appliance with your household waste.



Please dispose of it at your local community waste collection / recycling centre for electrical and electronic appliances. You are also responsible for deleting any personal data that may be stored on the appliance prior to disposal. Please ensure that your old appliance poses no risk to children while being stored prior to disposal.

## Before using for the first time

 Damage resulting from incorrect installation and connection. Installing and connecting the washing machine incorrectly will cause serious damage to property. See "Installation".

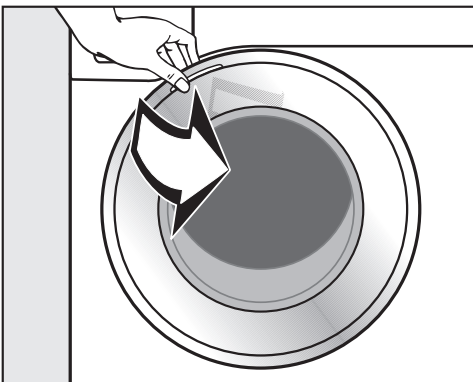
### Removing the protective foil and advertising stickers

- Remove:
  - the protective foil from the door (if present).
  - any advertising stickers from the front and the lid.

Please do not remove any labels (e.g. the data plate) which are visible when you open the door.

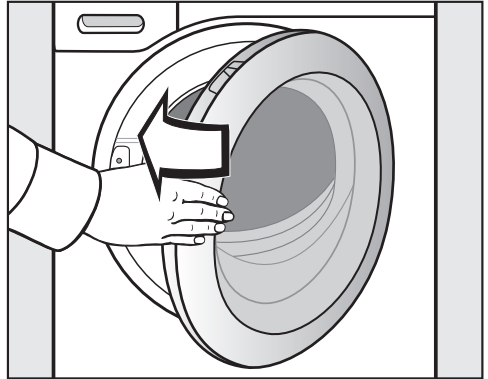
### Removing the detergent cartridges and the drain hose elbow from the drum

Two detergent cartridges for automatic detergent dispensing and an elbow piece for the drain hose are stored in the drum.



- Pull open the door.

- Take the two cartridges and the elbow piece out of the drum.



- Shut the door with a gentle swing.

This washing machine has undergone a complete functional test at the factory and there will be some residual water in the drum from this process.

# Before using for the first time

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## Miele@home

Your washing machine is equipped with an integrated Wi-Fi module.

In order to use it you need:

- a Wi-Fi network
- the Miele@mobile App
- a Miele user account. The user account can be created via the Miele@mobile App.

The Miele@mobile App will guide you as you connect your washing machine to your home Wi-Fi network.

Once your washing machine is connected to your Wi-Fi network, you can use the App, for example, to carry out the following activities:

- Operate your washing machine remotely
- Access information about the operating status of your washing machine
- Access information about a programme sequence on your washing machine

Connecting your washing machine to your Wi-Fi network will increase energy consumption, even when the washing machine is switched off.

Before installing the washing machine in its final location, ensure the signal strength is sufficient for your Wi-Fi network.

## Availability of the Wi-Fi connection

The Wi-Fi connection shares a frequency range with other appliances (including microwave ovens and remote control toys). This may result in sporadic or even complete connection failures. Therefore, a constant availability of featured functions cannot be guaranteed.

## Miele@home availability

The ability to use the Miele App depends on the availability of the Miele@home service in your country.

The Miele@home service is not available in every country.

For information about availability, please visit [www.miele.com](http://www.miele.com).


## Miele App

You can download the Miele App from the Apple App Store® or the Google Play Store™ free of charge (only functional in selected countries).



# Before using for the first time

## 1. Removing the transit bars

 Damage resulting from failure to remove the transit bars.

Failure to remove the transit bars can result in damage to the washing machine and to adjacent cabinetry or appliances.


Remove the transit bars as described in "Installation".

## 2. Setting up Miele@home

There are 2 ways of connecting:

1. Via the Miele App (default)
2. Via WPS

To do so, you will need a WPS-compatible router.

- Touch the  sensor until *WPS* appears in the time display and a short keypad tone sounds.

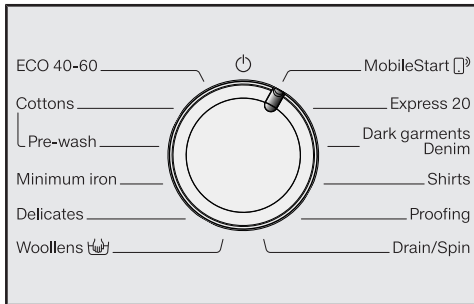
The timeout time then starts to count down from 2 minutes in the time display.


- Activate the WPS function on your router within 2 minutes.

When you have successfully connected, *Con* will appear in the time display.

**Useful tip:** If the connection has not been set up when the timeout has finished counting down, repeat the process.

## Signing on via the Miele App




- Turn the programme selector to the *MobileStart*  programme.

*APP* appears in the time display and the timeout starts to count down from 10 minutes. The Miele App will guide you through the remaining steps.

When you have successfully connected, *Con* will appear in the time display.

## Signing on via WPS

- Turn the programme selector to the *MobileStart*  programme.

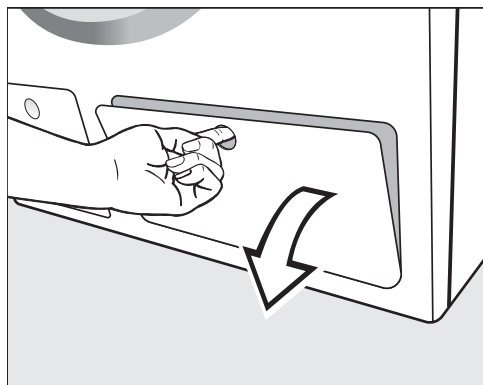
## Before using for the first time

### 3. Commissioning TwinDos

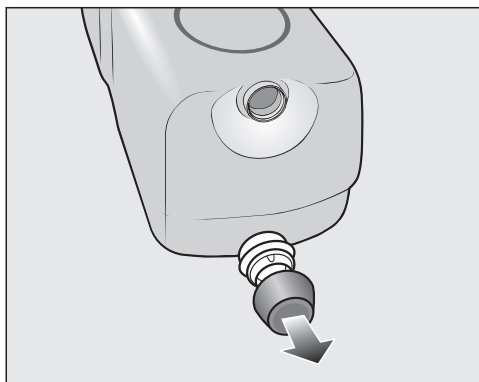
The TwinDos system can only be operated with the Miele UltraPhase 1 and UltraPhase 2 detergent cartridges. It is not possible to use any other detergent in the TwinDos system.

The dispensing quantities for UltraPhase 1 and UltraPhase 2 are preset for water hardness level I in the factory default settings.

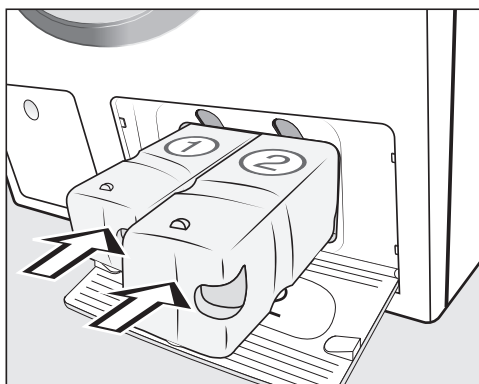
You can change the dispensing quantity. See “Programmable functions – TwinDos”.



- Open the access panel for TwinDos.



- Remove the cover caps from the detergent cartridges included with the delivery.



- Push the detergent cartridge for UltraPhase 1 into compartment 1 and the detergent cartridge for UltraPhase 2 into compartment 2.
- Close the TwinDos access panel.



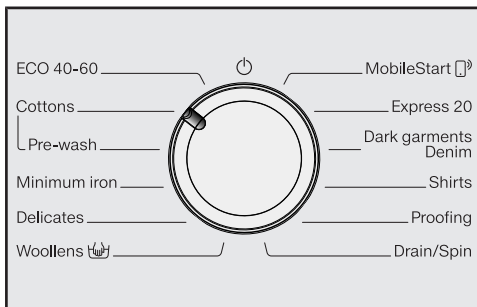
# Before using for the first time

## 4. Starting the calibration programme

For optimum water and energy consumption and excellent wash results, it is important to calibrate the washing machine.

To do this, the *Cottons* programme **must** be run without laundry and without detergent.

- Turn on the tap.



- Turn the programme selector to the *Cottons* position.

The washing machine is now switched on and the temperature *40* and spin speed *1400* light up.

- Touch the *Start/Add laundry* sensor.

The programme will start.

After 10 minutes, the indicators will dim.

## Opening the door at the end of the programme

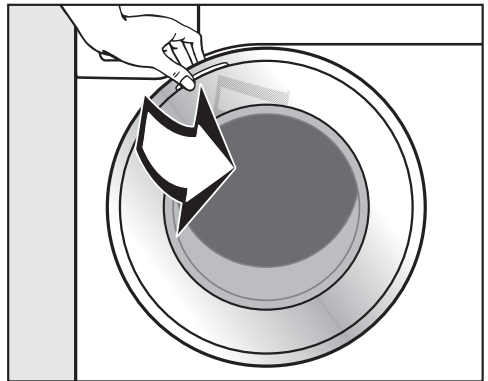
The door remains locked during the Anti-crease phase. The control panel lights up for 10 minutes after the programme ends. The control panel then goes out and the *Start/Add laundry* sensor flashes.

- Turn the programme selector to the power position.

-∞- appears in the time display and the lock indicator light goes out.

The door will unlock.

**Useful tip:** After the Anti-crease phase, the washing machine will have switched off and the door unlocked automatically. The control panel is completely dark.



- Take hold of the door and pull it open.

**Useful tip:** For safety reasons, close the door when the washing machine is not in use. Otherwise there is a danger of objects being placed inadvertently in the drum. If these remain unnoticed and were washed in the next load, they could damage the laundry. An open door is also a danger to pets and children.

The appliance is now ready for use.

# Washing environmentally and economically

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## Energy and water consumption

- To get the most out of your machine, load the maximum dry load size for the wash programme you are using. This will keep the energy and water consumption to a minimum in relation to the size of the load.
- Programmes that are more efficient with regard to energy and water consumption generally have a longer running time. By extending the programme running time, the wash temperature that is actually reached can be reduced while still providing the same wash results.

For example, the Cottons  $\langle 40^{\circ}\text{C} \rangle$  programme has a longer running time than the Cottons  $40^{\circ}\text{C}$  or  $60^{\circ}\text{C}$  programme, but the Cottons  $\langle 40^{\circ}\text{C} \rangle$  programme is more efficient in terms of energy and water consumption.

- Use the Express 20 programme for small, lightly soiled loads.
- Modern detergents make it possible to wash at lower temperatures (e.g.  $20^{\circ}\text{C}$ ). Using lower temperature settings will save energy.

## Information about subsequent tumble drying

The spin speed selected affects the residual moisture in the laundry and the sound emissions of the washing machine.

The higher the spin speed, the lower the residual moisture in the laundry. However, the sound emissions of the washing machine will increase.

Select the highest possible spin speed for the wash programme to save energy in the subsequent tumble dryer cycle.

## Hygiene in the washing machine

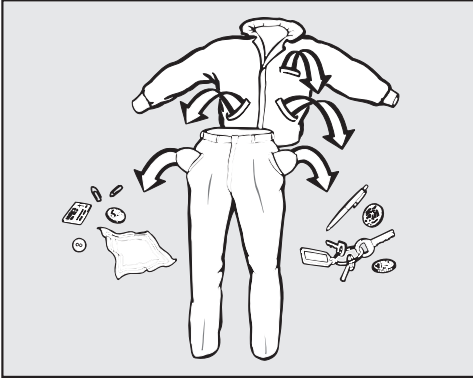
Washing at low temperatures and/or using liquid detergents can cause bacteria and odours to build up in the washing machine. Miele therefore recommends cleaning the washing machine once every month.

When the **i** indicator light lights up and **!** appears in the time display, the washing machine must be cleaned.

## Detergent consumption

- For precise dispensing, use automatic detergent dispensing.
- Adjust the dosage to the degree of soiling of the laundry.
- Do not exceed the amounts of detergent recommended by the manufacturer on the packaging.

# 1. Preparing the laundry



- Empty all pockets.

**⚠** Damage due to foreign objects. Nails, coins, paper clips, and so on can cause damage to garments and components in the machine. Check the laundry before washing and remove any foreign objects.

## Sorting the laundry

- Sort the laundry by colour and by care label. Most garments have a textile care label in the collar or side seam.

**Useful tip:** Dark textiles often contain excess dye and should be washed separately several times before being included in a mixed load. Always wash white and coloured items separately.

## Pre-treating stains

- Badly soiled areas and stains should be cleaned as soon as possible, preferably whilst still fresh. Spillages should be carefully dabbed off using a soft, colourfast cloth. Do not rub.


**Useful tip:** Please refer to the Miele website or Miele@mobile App for more information on stain removal.

**⚠** Damage due to solvent-based cleaning agents. Cleaning agents containing benzene, stain remover, etc., can damage plastic parts. When pre-treating garments, make sure that any plastic parts (e.g. buttons) do not come into contact with cleaning agent.

**⚠** Risk of explosion due to solvent-based cleaning agents. If solvent-based cleaning agents are used, an explosive mixture can form. Never use solvent-based cleaning agents in the washing machine.

## General tips

- Curtains: remove lead weights first or place in a laundry bag.
- Remove or sew in any loose underwiring in bras or shirt collar stiffeners.
- Close any zips, attach velcro fasteners, fasten hooks and eyes etc. before washing.
- Fasten duvet covers and pillow cases to prevent small items from being rolled up inside them.

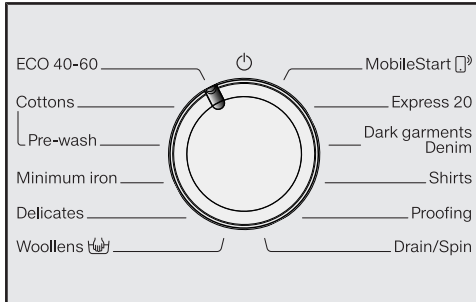
Do not wash items which are specified by the manufacturer as **not washable** on the care label ( symbol).

## 2. Selecting a programme

### Switching on the washing machine

- Turn the programme selector to a programme.

### 1. Selecting wash programmes using the programme selector

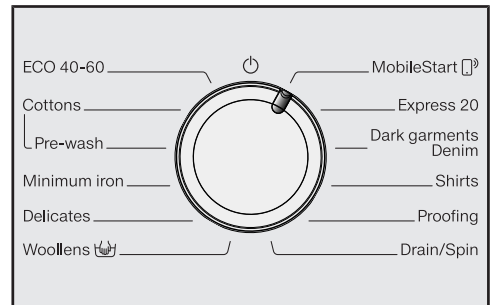


- Turn the programme selector to the required programme.

The programme running time appears in the time display.

### 2. Selecting programmes using the MobileStart programme selector position and the Miele App

**Useful tip:** To use *MobileStart*, the washing machine must be signed on to the Wi-Fi network and *Remote control* must be switched on.



- Turn the programme selector to the *MobileStart* position.

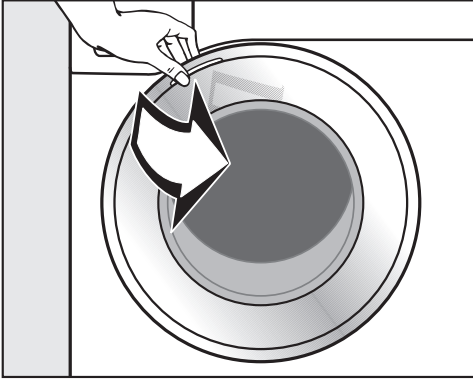
*On* appears in the time display.

Once the programme has started, the washing machine can be operated with the Miele App.

You must touch the *Start/Add laundry* sensor to enable operation via the Miele App. Touching the sensor also locks the door of the washing machine.

### 3. Loading the washing machine

#### Opening the door



- Take hold of the door and pull it open.

Check the drum for pets or foreign objects before loading it with laundry.

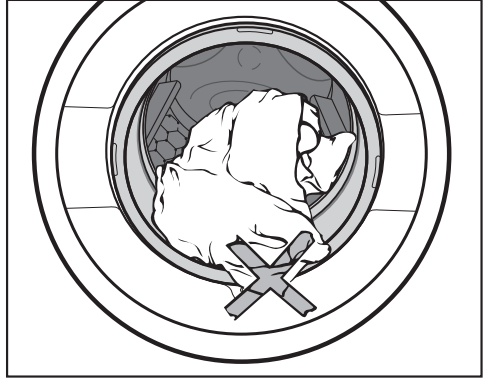
The most efficient use of energy and water is achieved when a full load is washed. However, do not overload as this reduces cleaning efficiency and causes creasing.

- Unfold the laundry and load loosely in the drum.

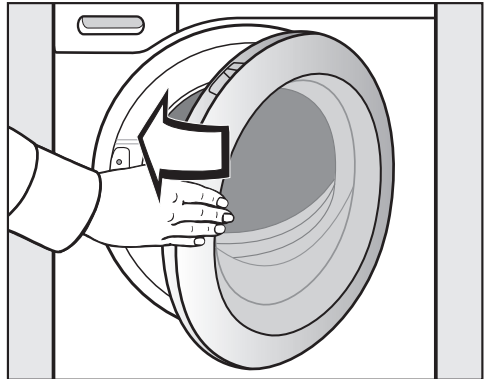
Mixing both large and small items gives better wash results and helps distribute the load evenly during spinning.

**Useful tip:** Please note the maximum load size for different wash programmes.

#### Closing the door



- Make sure that no items are caught between the door and the seal.




- Shut the door with a gentle swing.

## 4. Selecting programme settings

### Selecting the temperature and spin speed

The wash programme's pre-set temperature and spin speed light up brightly. The choice of temperatures and spin speeds selectable for the wash programme light up dimly.

The temperatures reached in the washing machine may differ from the selected temperatures. The combination of energy input and washing time achieves an optimum washing result.

90	1400
60	1200
40	900
30	600
20	
Cold	

- Touch the sensor for the temperature you want. It then lights up brightly.
- Touch the sensor for the spin speed you want. It then lights up brightly.

### Selecting Extras

The selection of Extras available for the wash programme lights up dimly.

Short

Pre-ironing

- Touch the sensor for the Extra you want. It then lights up brightly.

**Useful tip:** You can select multiple Extras for a wash programme.

Please refer to “Extras” for more information.

### Switching on Delay start/ SmartStart

The start of the programme can be delayed from 30 minutes up to 24 hours. This allows you to make use of night-time economy electricity rates, for example (see “Delay start/ SmartStart”).

## 5. Adding detergent

There are several options for adding detergent.

### TwinDos

The washing machine is equipped with the TwinDos system.

TwinDos has to be activated as described in "Before using for the first time".

The TwinDos system can only be operated with the Miele UltraPhase 1 and UltraPhase 2 detergents.

### How UltraPhase 1 and UltraPhase 2 work

UltraPhase 1 is a liquid detergent which dissolves dirt and removes the most common stains. UltraPhase 2 is a bleaching agent and removes stubborn stains. For the best washing result, these two agents are dispensed at separate times during the wash process. UltraPhase 1 and UltraPhase 2 clean white and coloured fabrics thoroughly. UltraPhase 1 and UltraPhase 2 single use cartridges are available to order from Miele or via the internet at [shop.miele.com](http://shop.miele.com) (see the end of this booklet for details).

### Activating TwinDos dispensing

TwinDos dispensing is automatically activated for all programmes in which dispensing is possible.

The *TwinDos coloured items* sensor lights up. The *TwinDos white items* sensor lights up dimly in certain wash programmes.

**Useful tip:** The detergent dispensing quantities are preset. If too much foam builds up, you can reduce the dispensing quantities using the *P66* and *P67* programmable functions.

### Changing TwinDos dispensing

You can change the suggested colour composition of the laundry.

- *TwinDos white items* sensor for white or light-coloured fabrics
- *TwinDos coloured items* sensor for colour fabrics

TwinDos  
Whites

TwinDos  
Colours

The brightly lit sensor is activated.

- Touch the *TwinDos white items* sensor if required.

### Deactivating TwinDos dispensing

- Touch the brightly lit *TwinDos white items* or *TwinDos coloured items* sensor.

Both sensors light up dimly and dispensing is deactivated.

## 5. Adding detergent

### Degree of soiling of the laundry


There are 3 different degrees of soiling. The quantity of detergent dispensed via TwinDos and the quantity of water required for rinsing are preset for the **normal** degree of soiling.

- Light  
No visible soiling or stains
- Normal  
Visibly soiled and/or just a few light stains.
- Heavy  
Heavily soiled and/or clearly visible stains.

**Useful tip:** You can set another degree of soiling using the *P69* programmable function.

### Using other methods to remove stains

If you wish to use additional methods of stain removal, you have the following options:

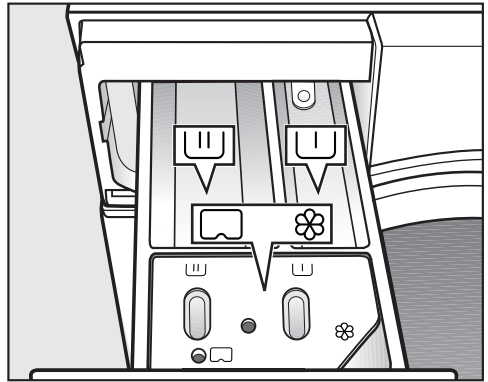
- Using the Booster cap and activating CapDosing.
- Add stain remover to the  compartment.





### Detergent dispenser drawer

Any detergent suitable for automatic front loading washing machines can be used with this appliance. Please observe the instructions for use and dosage on the detergent packaging.

Ensure that TwinDos dispensing is deactivated.

### Filling with detergent

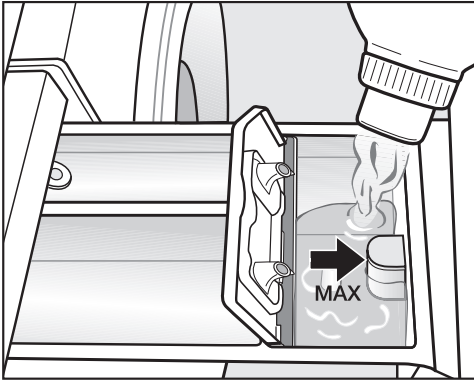



- Pull out the detergent drawer and add detergents to the compartments.
  -  Detergent for the pre-wash (divide the total recommended amount as follows: add  $\frac{1}{3}$  to compartment "I" and  $\frac{2}{3}$  to compartment "II")
  -  Detergent for the main wash
  -  Fabric softener, liquid starch, or
  -  capsules




## 5. Adding detergent

### Adding fabric softener



- Add fabric softener or liquid starch to the  compartment. **Do not exceed the maximum level mark.**

It will be automatically dispensed in the final rinse. At the end of the programme a small amount of water remains in the fabric softener  compartment.

Starch can make the siphon tube sticky.

If starching frequently, thoroughly clean the dispenser compartment, especially the siphon tube, regularly.

### Using liquid detergent with a pre-wash

Liquid detergent cannot be used for the main wash if the pre-wash has been selected.

Use TwinDos dispensing if you are activating the pre-wash.

### Using detergent tablets or pods

**Always** put detergent tablets or pods directly in the drum with the laundry. They cannot be added via the detergent dispenser drawer.

### Tips on dosing

Adjust the detergent dosage to the level of soiling of the laundry and the size of the load. Reduce the amount of detergent with smaller loads (e.g. reduce the amount of detergent by  $\frac{1}{3}$  when washing a half load).

#### Too little detergent results in:

- laundry not getting properly clean and with time it may become grey and hard to the touch.
- a build-up of mould in the washing machine.
- grease not being completely removed from the laundry.
- limescale deposits on the heater elements.




#### Too much detergent results in:

- poor wash, rinse, and spin results.
- a higher water consumption as an extra rinse cycle is automatically activated.
- a greater burden on the environment.

# 5. Adding detergent


## CapDosing

Three different types of capsule are available:

-  = Fabric care (e.g. fabric softener)
-  = Additives (e.g. booster)
-  = Detergent (for the main wash only)







Each capsule contains the correct amount for one wash cycle.

You can order the capsules online at [shop.miele.com](http://shop.miele.com) (depending on country) or from Miele (see the end of this booklet for contact details).

 Capsules pose a health risk. The ingredients of capsules can be hazardous to health if they are swallowed or come into contact with skin. Keep capsules out of the reach of children.

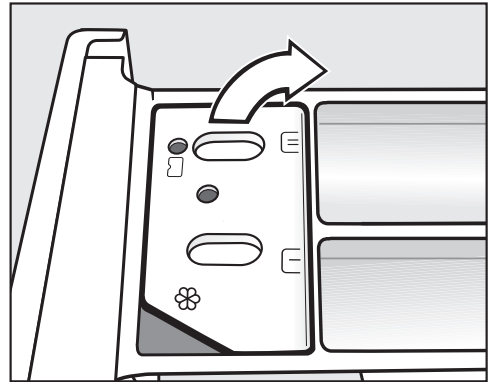
## Activating CapDosing



- Touch the sensor for the capsule you want to use.

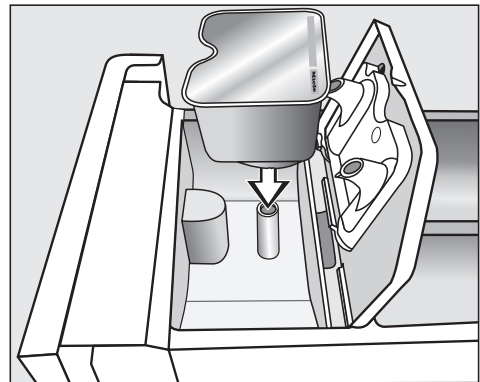
Sensor		Capsule
	for	
	for	
	for	

## Inserting a capsule

- Open the detergent dispenser drawer.

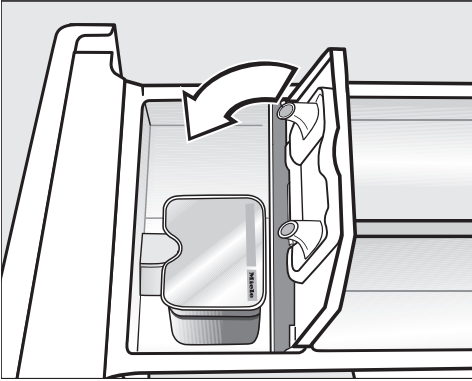


- Open the lid of the /  compartment.



- Press the capsule in firmly.


## 5. Adding detergent



### Deactivating/Changing CapDosing



- In order to switch off CapDosing, touch the brightly lit sensor.
- In order to change CapDosing, touch one of the other capsule sensors.

- Close the lid and press it firmly shut.
- Close the detergent dispenser drawer.

**Useful tip:** TwinDos dispensing is switched off automatically when a capsule is selected for the main wash . The indicator for TwinDos dispensing remains visible on control panel.

The capsule is opened by the act of inserting it in the detergent dispenser drawer. The contents can run out of the capsule if you then remove it from the drawer before it is used. In this case, dispose of the capsule and do not re-use it.

The wash programme will dispense the contents of the capsule at the correct time.

Water intake to the  compartment is solely via the capsule. No additional fabric softener may be added to the  compartment when using a capsule.

- Remove the empty capsule at the end of the programme.

For technical reasons a small amount of water will remain in the capsule.

## 6. Starting the programme

### Starting a programme



- Touch the flashing *Start/Add laundry* sensor.

The door will lock and the programme will start.

If a Delay start time has been selected, this counts down in the time display. At the end of the Delay start time or immediately after the programme has started (if no Delay start time has been selected), the programme duration will appear in the time display.


### Energy savings

After 10 minutes, the indicators will dim. The *Start/Add laundry* sensor flashes slowly.




You can reactivate the indicators:

- Touch the *Start/Add laundry* sensor (this does not have any effect on a running programme).

### Adding or removing laundry during a programme sequence (AddLoad)

Laundry can be added or removed at any time, provided that the  symbol is not illuminated in the control panel.

- Touch the *Start/Add laundry* sensor.

Rotating bars  ...  ...  are shown in the time display.

If the word *Add* appears in the time display, the door can be opened.

- Open the door and add or remove laundry.
- Close the door.
- Touch the *Start/Add laundry* sensor.

The wash programme will continue.


Laundry cannot usually be added or removed if:


- The suds temperature is above 55°C
- The water inside the drum is above a certain level

## 7. At the end of the programme

### Opening the door and removing the laundry

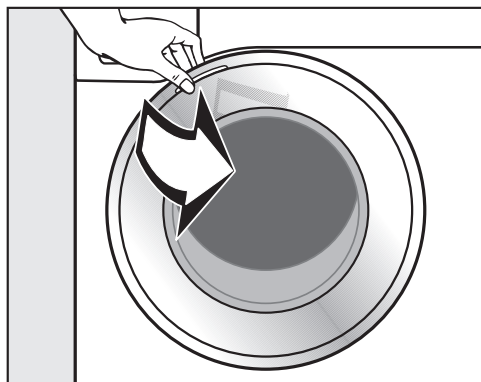
The door remains locked during the Anti-crease phase. The control panel lights up for 10 minutes after the programme ends. The control panel then goes out and the *Start/Add laundry* sensor flashes.

- Turn the programme selector to the  position.

-D- appears in the time display and the  indicator light goes out.

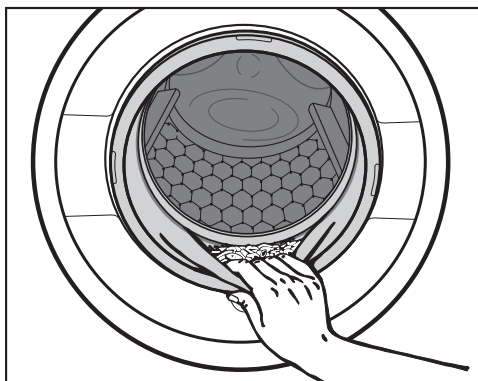
The door will unlock.

**Useful tip:** After the Anti-crease phase, the door will unlock automatically.



- Take hold of the door and pull it open.
- Remove the laundry.

Items left in the drum could discolour other items in the next wash or become discoloured themselves. Check that all items have been removed from the drum.



- Check the folds in the door seal for any small articles, e.g. buttons, which might be lodged there.

**Useful tip:** For safety reasons, close the door when the machine is not in use. Otherwise there is a danger of objects being placed inadvertently in the drum. If these remain unnoticed and were washed in the next load, they could damage the laundry. An open door is also a danger to pets and children.

- If applicable, remove the used capsule from the detergent dispenser drawer.

**Useful tip:** Leave the detergent dispenser drawer slightly open to allow it to dry.


# Spinning

## Final spin speed in wash programmes

When a programme is selected, the sensor for the optimum spin speed for that programme will be brightly lit up in the control panel.

A faster spin speed can be selected for certain wash programmes.

The highest selectable spin speed is indicated in the table.

Programme	rpm
ECO 40-60	1400
Cottons	1400
Minimum iron	1200
Delicates	900
Woolens 	1200
Express 20	1200
Dark garments/Denim	1200
Shirts	900
Proofing	1200
Drain/Spin	1400

## Rinse and interim spin

There is a spin after the main wash and between the rinses. A reduction in the final spin speed will also reduce the interim spin speed. If a spin speed of less than 700 rpm is selected for the *Cottons* programme, an additional rinse is introduced.

## Deselecting final spin (Rinse hold)

- Touch the  sensor (Rinse hold).


The laundry is not spun after the final rinse and remains in the rinse water. This helps prevent creasing if the laundry is not going to be removed from the drum immediately after the end of the programme.

## Ending a programme with a spin cycle

The sensor for the optimum spin speed lights up in the control panel. You can change the spin speed.

- Touch the *Start/Add laundry* sensor.

## Ending a programme without a spin cycle

- Reduce the spin speed to .
- Touch the *Start/Add laundry* sensor.

## Deselecting the interim spin and the final spin

- Touch the  sensor.

After the last rinse, the water will be pumped away and the Anti-crease phase will switch on.

In some programmes an additional rinse is introduced with this setting.


### Delay start

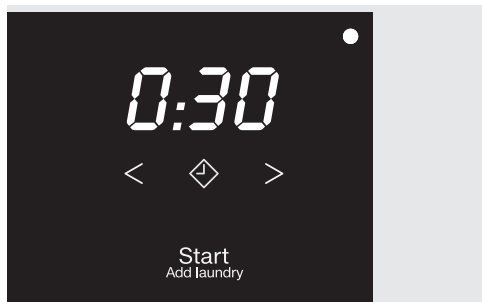
With Delay start you can delay the start of a programme.


This function is active when the *P98* SmartGrid programmable function is switched off.

You can delay the start of a programme from 30 minutes up to a maximum of 24 hours. This allows you to make use of night-time economy electricity rates, for example.

#### Selecting Delay start

- Select the programme required.
- Touch the  sensor.



The  sensor lights up brightly.

- Touch the < or > sensor repeatedly until the required Delay start time appears in the time display.
  - For less than 10 hours, the Delay start time changes in increments of 30 minutes
  - For more than 10 hours, the Delay start time changes in increments of 1 hour


### Starting Delay start

- Touch the flashing *Start/Add laundry* sensor.

The Delay start process starts and counts down in the time display.

### Changing or cancelling a started Delay start time

If the selected Delay start function has started, it is no longer possible to change the time.

- Turn the programme selector to the  position.
- Turn the programme selector to any programme.

Rotating bars *L*... *L*... *L* or *-0-* are shown in the time display.

The door lock is released.

- Select a programme and a new Delay start time if required.

## Delay start/SmartStart

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### SmartStart (only functional in selected countries)

The SmartStart function lets you define a time period during which your washing machine will start automatically based on an external signal. The machine will start on receipt of a signal, e.g. from your energy supplier, that indicates that the electricity rate is particularly economical.


This function is active when the *P98* SmartGrid programmable function is switched on.

The timeframe can be defined between 30 minutes and 24 hours. During this period, the washing machine waits for the external signal. If no signal is sent during the defined period, the washing machine starts the wash programme.

### Setting the timeframe

If the *P98* SmartGrid programmable function is activated, the function of the  sensor changes. The time display no longer shows the Delay start period, and instead shows the time period in which your washing machine can be started automatically (see “Programmable functions - *P98* SmartGrid”).


The procedure for setting this is the same as for setting the time for Delay start.

- Touch the  sensor.
- Set the time period you want using the < or > sensor.
- Touch the Start/Add laundry sensor.



*ℓℓr* appears in the time display.




# Programme chart

<b>ECO 40-60</b>		<b>Max. load 8.0 kg</b>
Items	For normally soiled cotton garments	
Notes	A laundry load consisting of mixed cottons that are intended for washing at 40°C or 60°C can be washed in the same wash cycle.	
<b>Information for customers:</b>		
You cannot normally select any temperatures or Extras for the <i>ECO 40-60</i> wash programme.		
<b>Note for test institutes:</b>		
For energy labelling programme according to AS/NZS 2040.1 & AS/NZS 2040.2 change the following settings:		
In the temperature display, temperatures 60 and 40 light up dimly.		
- Touch the sensor control 40 for the Cottons  test programme. Temperature 40 lights up brightly. (refer to <a href="http://www.energyrating.gov.au">www.energyrating.gov.au</a> website for consumption data).		
The detergent must be added via the detergent dispenser drawer.		
TwinDos dispensing must be deactivated when carrying out comparison tests.		
<b>Cottons</b>		<b>Cold to 90°C</b>
<b>Max. load 8.0 kg</b>		
Items	Cottons, linens or cotton mix fabrics, e.g. table linen, towelling, underwear, T-shirts etc.	
Notes	Where particularly high levels of hygiene are required, please select a temperature of 60°C or higher.  If you want to select a pre-wash programme, turn the programme selector to <i>Pre-wash</i> .	
<b>Minimum iron</b>		<b>Cold to 60°C</b>
<b>Max. load 3.5 kg</b>		
Items	Synthetic, mixed fibre and easy care cotton.	
Notes	Reduce the spin speed for fabric that creases easily.	

## Programme chart

<b>Delicates</b>		<b>Cold to 40°C</b>	<b>Max. load 2,0 kg</b>
Items	<p>Delicate garments made from synthetic fibre, mixed fibre, rayon and viscose.</p> <p>Performance outerwear (e.g. jackets and trousers) made from membrane fabric such as Gore-Tex®, SYMPATEX®, WINDSTOPPER®, etc.</p> <p>Curtains specified as machine-washable by the manufacturer.</p>		
Notes	<ul style="list-style-type: none"> <li>- On outdoor clothing, fasten zips or close Velcro fasteners and do not use fabric softener.</li> <li>- If required, these items can also be reproofed using the <i>Proofing</i> programme. Reproofing after each wash cycle is not recommended.</li> <li>- For items which crease easily, deselect the spin.</li> </ul>		
<b>Woollens</b> 		<b>Cold to 40°C</b>	<b>Max. load 2.0 kg</b>
Items	Machine-washable or hand-washable wool or wool blend fabric. If the care label does not specify a temperature, wash using the cold setting.		
Notes	Reduce the spin speed for fabrics that crease easily.		
<b>MobileStart</b> 			
The Miele App is used for selecting programmes and operating the machine.			
<b>Express 20</b>		<b>Cold to 40°C</b>	<b>Max. load 3.5 kg</b>
Items	Cotton garments that have hardly been worn or are only very lightly soiled.		
Notes	The <i>Short Extra</i> is activated automatically.		
<b>Dark garments/Denim</b>		<b>Cold to 60°C</b>	<b>Max. load 3.0 kg</b>
Items	Black and dark garments made from cotton, mixed fibres and denim.		
Notes	<ul style="list-style-type: none"> <li>- Wash inside out.</li> <li>- Denim often contains excess dye and may run during the first few washes. Wash light and coloured items separately.</li> </ul>		

## Programme chart

<b>Shirts</b>		<b>Cold to 60°C</b>	<b>Max. load 1.0 kg/2.0 kg</b>
Items	Shirts and blouses made of cotton and mixed fibre.		
Notes	<ul style="list-style-type: none"> <li>- Pre-treat collars and cuffs if necessary.</li> <li>- Wash silk shirts and blouses in the <i>Delicates</i> programme.</li> <li>- If the preset <i>Pre-ironing</i> Extra is switched off, the maximum load capacity is increased to 2.0 kg.</li> </ul>		
<b>Proofing</b>		<b>40°C</b>	<b>Max. load 2.5 kg</b>
Items	Treating microfibre fabric, ski wear or table linen made from mainly synthetic fibres to provide a finish that is resistant to water and dirt.		
Notes	<ul style="list-style-type: none"> <li>- The items should be freshly laundered and spun or dried before proofing.</li> <li>- For best results, the items should be heat-treated afterwards. This can be achieved by drying them in the tumble dryer or by ironing them.</li> </ul>		
<b>Drain/Spin</b>			<b>–</b>
Notes	<ul style="list-style-type: none"> <li>- Drain only: Set spin speed to .</li> <li>- Make sure you select the appropriate spin speed.</li> </ul>		

## Extras

You can use the Extras sensor to augment the wash programmes.

### Selecting Extras

Extras are selected and deselected using the relevant sensors on the control panel.

Short

Pre-ironing

- Touch the sensor for the Extra you want.

The relevant sensor will light up brightly. Not all Extras can be selected with every programme.





If the sensor lighting is switched off, this means the Extra cannot be selected. The Extra cannot be activated by touch.

### Short


For light soiling with no visible staining. The wash duration is reduced.

### Pre-ironing

In order to reduce creasing, the laundry undergoes a smoothing process at the end of the programme. For optimal smoothing reduce the maximum load by 50%. Small loads achieve a better result.

The garments must be suitable for drying in a tumble dryer   and suitable for ironing  .

### The following Extras can be selected in addition to the programme

	Short	Pre-ironing	Pre-wash
ECO 40-60	—	—	—
Cottons	●	●	●
Minimum iron	●	●	—
Delicates	●	●	—
Woollens 	—	—	—
Express 20	✓	●	—
Dark garments/Denim	●	●	—
Shirts	●	✓	—
Proofing	—	—	—
Drain/Spin	—	—	—

- = can be selected
- ✓ = activated automatically
- = cannot be selected

# Garment care label symbols

Washing	
The figure quoted in the bucket is the maximum temperature at which the garment can be washed.	
	Normal agitation
	Reduced agitation
	Much reduced agitation
	Hand wash
	Do not wash

## Programme selection examples

Programme	Garment care label symbols
Cottons	
Minimum iron	
Delicates	
Woollens	
Express 20	



















Drying	
	Normal temperature
	Low temperature
	Do not tumble dry

Ironing	
	Approx. 200 °C
	Approx. 150 °C
	Approx. 110 °C Ironing with steam can cause irreversible damage.
	Ironing prohibited




Professional cleaning	
	Dry clean only. The letters indicate the type of cleaning agent required.
	Wet cleaning
	Dry cleaning prohibited

Bleaching	
	Any oxidation bleach can be used
	Use oxygen bleach only
	Do not bleach

## Programme sequence

	Main wash		Rinse		Spin
	Water level	Wash rhythm	Water level	Rinses	
ECO 40-60		(A)		2-3 <sup>2</sup>	✓
Cottons		(A)		2-4 <sup>1,2</sup>	✓
Minimum iron		(B)		2-3 <sup>2</sup>	✓
Delicates		(C)		2-3 <sup>2</sup>	✓
Woollens 		(E)		2	✓
Express 20		(A)		1	✓
Dark garments/Denim		(B)		3-4 <sup>2</sup>	✓
Shirts		(C)		3	✓
Proofing	—	(B)		1	✓
Drain/Spin	—	—	—	—	✓

Please see the next page for a description of the symbols.

-  = low water level  
 = medium water level  
 = high water level  
Ⓐ = intensive rhythm  
Ⓑ = normal rhythm  
Ⓒ = sensitive rhythm  
Ⓔ = handwash rhythm  
✓ = carried out  
– = not carried out


This washing machine has fully electronic controls with automatic load control. The washing machine takes in the right amount of water required for the programme depending on the amount of laundry and its absorbency rate.

The programme sequences outlined in the chart are based on the basic programme with a full load.

### Special features in the programme sequence

#### Anti-crease:

At the end of the programme the drum continues to turn at intervals for up to 30 minutes to help prevent creasing.

Exception: There is no Anti-crease phase in the *Woolens*  programme. The door can be opened at any time during the Anti-crease phase.

- <sup>1</sup> If a temperature of 60°C or higher is selected, two rinses are carried out. If a temperature of less than 60°C is selected, three rinses are carried out.
- <sup>2</sup> An additional rinse is carried out if:
  - there is too much foam in the drum.
  - a spin speed lower than 700 rpm has been selected.

## Changing the programme sequence

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### Changing the programme (safety lock)





It is not possible to change the programme, the temperature, the spin speed or the selected Extras after the programme has started. This prevents the appliance being operated unintentionally, e.g. by children.

If the washing machine is switched off during active programme operation, the standby function does not switch the washing machine off completely after 15 minutes. Safety functions continue to be active because there may still be water inside the drum.

### Cancelling a programme

You can cancel a programme at any time after it has started.

- Turn the programme selector to the  position.
- Turn the programme selector to any position.

Rotating bars ...  ...  or  are shown in the time display.

The water is pumped away and the door lock is released.

### Selecting a new programme

- Turn the programme selector to the required programme.
- Check that there is still detergent in the dispenser drawer. Add more detergent if necessary.
- Touch the *Start/Add laundry* sensor.



## The correct detergent

All detergents produced for automatic front loading washing machines are suitable. Follow the manufacturer's instructions and dosage recommendations on the packaging.

## The right amount to dispense will depend on the following:

- The soiling level of the laundry.
- The quantity of laundry.
- The water hardness level. Check with your local water authority if you do not know the water hardness level in your area.


## Detergent dispensing aids

Use dispensing aids (e.g. balls) if these are supplied with the detergent, particularly when using liquid detergent.

## Refill packs of detergent

When purchasing detergent, buy refill packs wherever possible. This helps reduce the amount of waste packaging.

## Colour run and dye removers/dyes

 Damage due to colour run/dye removers.

Colour run and dye removers can cause corrosion in the washing machine.

Do not use colour run or dye removers in this washing machine.

Dyes suitable for use in domestic washing machines can be used. However, please note that the salt used in the dyeing process can cause corrosion to stainless steel components

in the machine if you use dye frequently. Always observe the manufacturer's instructions carefully.

## Fabric softeners and liquid starch

### Fabric softeners

make garments soft to handle and help prevent static cling when tumble drying.

### Fabric shapers

are synthetic starches and give an even stiffer hold.





### Starch

stiffens and gives body to items of laundry, e.g. shirts, tablecloths and bed linen.

# Detergent

## Detergent recommendations (according to Ecodesign no. 2019/2023)

The recommendations apply across the entire temperature range of the wash programmes.


	Miele UltraPhase 1 and 2	Miele capsules 	Miele capsules 	Miele capsules 	Universal detergent	Colour detergent	Detergent for delicates and woollens	Special-purpose detergent
ECO 40-60	✓		✓	✓	✓	✓		
Cottons	✓		✓	✓	✓	✓		
Minimum iron	✓		✓	✓		✓		
Delicates	✓	✓	✓				✓	
Woollens 		✓					✓	✓
Express 20	✓		✓			✓ <sup>1</sup>		
Dark garments/Denim	✓	✓	✓			✓ <sup>1</sup>		✓
Shirts	✓		✓	✓	✓	✓		
Proofing			✓					

✓ recommended

<sup>1</sup> Liquid detergent

<sup>2</sup> Powder detergent

 Specialist detergents (e.g. WoolCare)

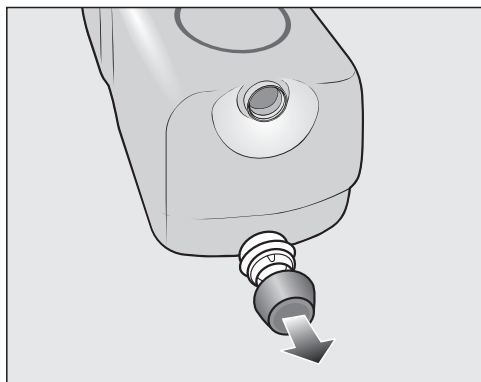
 Fabric care (e.g. fabric softener)

 Additive (e.g. booster)

## Replacing the TwinDos cartridge

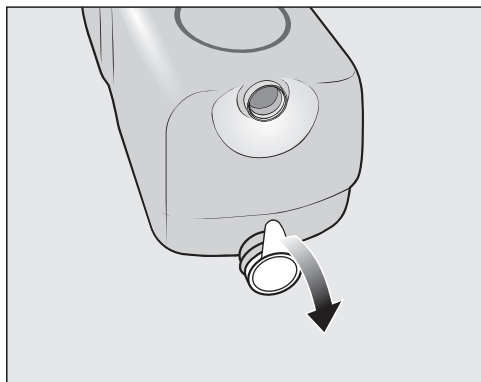
1. An empty cartridge for compartment 1 is indicated by the *TwinDos white items* sensor flashing at the start of the programme.
2. An empty cartridge for compartment 2 is indicated by the *TwinDos coloured items* sensor flashing at the start of the programme.

### Preparing the cartridge




- Remove the cover cap from the cartridge.

or



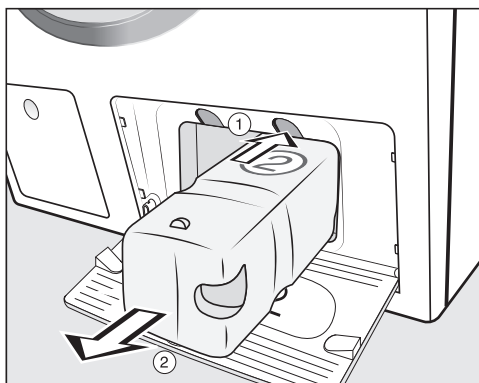
- Remove the film seal from the cartridge completely.

 Risk of damage from film seal  
If the film seal is not removed completely, leaks can occur in the TwinDos system.

Remove the film seal from the suction port on the cartridge completely before inserting the new cartridge.

### Replacing the cartridge

- Switch on the washing machine.



① To release the lock, press the yellow button above the cartridge.

② Pull out the cartridge.

- Insert a new cartridge.
- Touch the flashing sensor.

The counter is set to 0.

# Cleaning and care

## External casing and fascia panel

**⚠ Risk of electric shock!**

Mains voltage is present when the washing machine is switched off. Disconnect the machine from the electricity supply before cleaning or maintenance.

**⚠ Risk of damage due to ingress of water.**

The pressure of a water jet can cause water to get into the washing machine, resulting in damage to components.

Do not spray the washing machine with a water jet or high pressure hose.

- Clean the casing and control panel with a mild cleaning agent or soap and water and dry both with a soft cloth.
- The drum can be cleaned using a suitable stainless steel cleaning agent following the manufacturer's instructions on the packaging.

**⚠ Damage caused by cleaning agents.**

Solvent based cleaning agents, abrasive cleaners, glass cleaners or multi-purpose cleaning agents can cause damage to plastic surfaces and other parts.

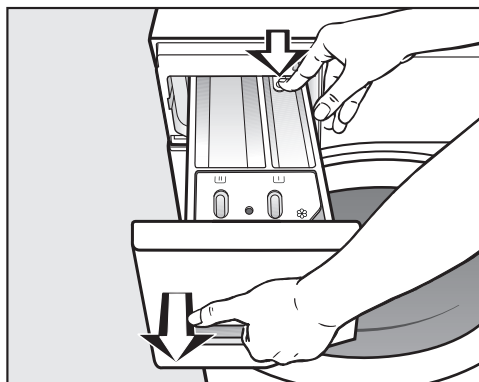
Do not use any of these cleaning agents.

## Cleaning the detergent dispenser drawer

Washing at low temperatures and the use of liquid detergent can lead to a build-up of bacteria in the detergent dispenser drawer.

- Clean the entire drawer at regular intervals for hygiene reasons, even if you are using the TwinDos system exclusively.

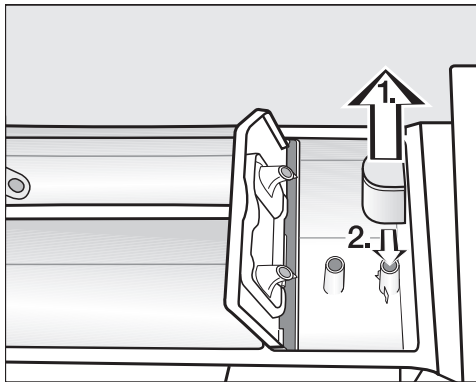
## Removing the detergent dispenser drawer



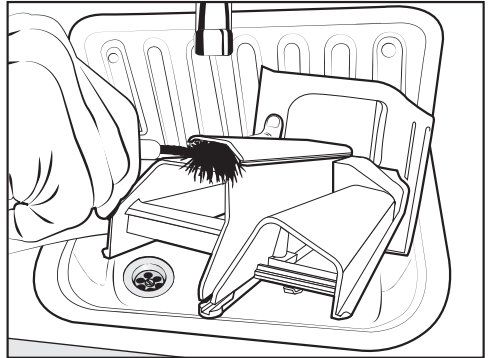
- Pull out the detergent dispenser drawer until a resistance is felt. Press down the release button and at the same time pull the drawer right out of the machine.
- Clean the detergent drawer with warm water.

## Cleaning the siphon and the ☼/☒ compartment channel

Liquid starch results in clogging. If clogged, the siphon in the ☼/☒ compartment will not work and the compartment can overflow. Clean the siphon particularly thoroughly after using liquid starch a few times.

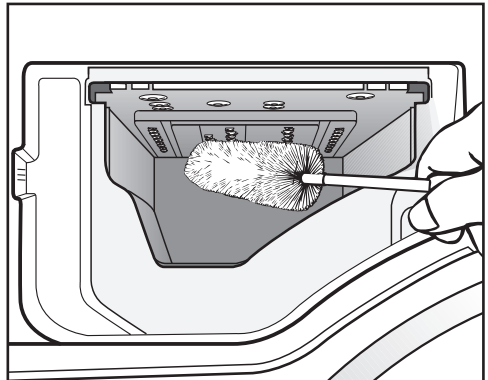


1. Remove the siphon from the ☼ compartment and clean under warm running water. Clean the siphon tube in the same way.
2. Refit the siphon.



- Clean the fabric softener channel using a brush and warm water.

## Cleaning the detergent dispenser drawer housing



- Use a bottle brush to remove detergent residues and limescale from the jets inside the detergent dispenser drawer compartment.
- Replace the detergent dispenser drawer.

**Useful tip:** To assist drying, leave the detergent dispenser drawer slightly open.

# Cleaning and care

## Hygiene info (Cleaning the drum)

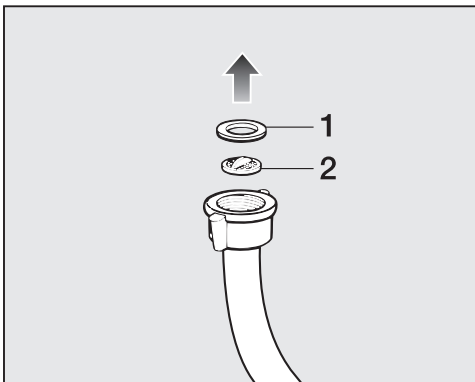
Washing at low temperatures and/or using liquid detergent can cause bacteria and unpleasant odours to build up in the washing machine. Use the *Cottons 90 °C* programme to clean the washing machine. Clean the drum no later than the point at which the **i** indicator light and **7** light up in the time display.

## Cleaning the water inlet filter

The washing machine has 2 filters to protect the inlet valve. Check these filters every 6 months or so. Perform this check more often if there are frequent interruptions to the external water supply.

### Cleaning the filter in the inlet hose

- First turn off the tap.
- Unscrew the inlet hose.

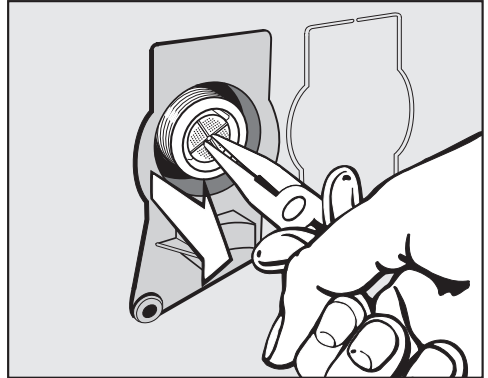


- Remove the rubber seal **1** from the recess.
- Using pointed pliers, take hold of the plastic filter bar **2** and remove the plastic filter.
- Clean the filter and the seal.

- Reassemble the filter and seal in the reverse order and reconnect the hose.

### Cleaning the filter in the inlet valve

- Using pliers, carefully loosen the ribbed plastic nut (seal) on the inlet valve and unscrew it.




- Use pointed pliers to withdraw the plastic filter by the bar (see illustration).
- Clean the filter and the plastic nut (seal).
- Put the filter and plastic nut (seal) back in the reverse order and reconnect the hose.

The filters must be put back in place after cleaning.

- Turn on the tap.

Make sure there is no water leaking from the connections.

## TwinDos maintenance

 Damage resulting from dried laundry detergent.

If the system has not been used for a long time (more than two months), detergent in the hoses can become viscous or dry out. The hoses can become blocked and would then need to be cleaned by a service technician.

Clean the TwinDos system.

To clean the system, you need a “TwinDosCare” cleaning cartridge. These are available from [shop.miele.com](http://shop.miele.com).

The washing machine has a cleaning programme for the TwinDos system. Running the cleaning programme will clean the hoses inside the washing machine.

### Starting the maintenance programme

The maintenance programme can be started for compartment ① and compartment ② using the *P58* programmable function.

### Accessing the programming level

Before you begin, ensure the following:

- The washing machine is switched on (the programme selector is pointing to a wash programme).
- The washing machine door is open.

① Touch the *Start/Add laundry* sensor and hold it down while carrying out steps ② and ③.

② Close the washing machine door.

Wait until the *Start/Add laundry* sensor lights up constantly ...

③ ... and then release the *Start/Add laundry* sensor.

After approx. four seconds, *P13* will light up in the time display.

④ Touch the > or < sensor until *P58* appears in the time display.

⑤ Confirm with the *Start/Add laundry* sensor.

-00 will light up in the time display.

⑥ Touch the > sensor.

-01 will light up in the time display.

⑦ Confirm with the *Start/Add laundry* sensor.

*UPI* will flash in the time display.

■ Push the cleaning cartridge into compartment ①.

⑧ Confirm with the *Start/Add laundry* sensor.

Compartment ① is cleaned.

**Useful tip:** To clean compartment ②, proceed in the same way as with compartment ①, but press the > sensor twice in step ⑥. -02 will light up in the time display.

### Cleaning the compartment

Detergent residue can cause clogging.

■ Use a damp cloth to clean the compartment interior when you change the cartridges.

## Problem solving guide

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Many malfunctions and minor faults that can occur in daily operation can be corrected without contacting Miele. This will save you time and money because you will not need a service call.

You can find information on how to remedy faults yourself at [www.miele.com.au/service](http://www.miele.com.au/service) or [www.miele.co.nz/service](http://www.miele.co.nz/service) and on the Miele website.

Please note, however, 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.




### The programme does not start

Problem	Possible cause and remedy
<b>The control panel remains dark.</b>	There is no power to the machine. <ul style="list-style-type: none"><li>■ Check whether the mains plug is plugged in and switched on.</li><li>■ Check whether the circuit breaker has tripped.</li></ul>
	The washing machine has switched off automatically to save energy. <ul style="list-style-type: none"><li>■ Switch the washing machine on again by turning the programme selector.</li></ul>
<b>F and 34 alternately appear in the time display.</b>	The door is not closed properly. The door lock could not engage. <ul style="list-style-type: none"><li>■ Close the door again.</li><li>■ Start the programme again. If the fault message appears again, contact Miele.</li></ul>
<b>After the appliance is switched on, UP appears in the time display.</b>	An update is available for the washing machine. See “Programmable functions – P99 RemoteUpdate” for more information.







## Problem solving guide

The programme is cancelled and a fault indicator light lights up in the control panel.


Problem	Possible cause and remedy
The fault indicator light  lights up, <i>F</i> and <i>//</i> appear alternately in the time display and the buzzer sounds.	<p>The water outlet is blocked or restricted.</p> <p>The drain hose has been fixed too high.</p> <ul style="list-style-type: none"> <li>■ Clean the drain filter and the pump.</li> <li>■ The maximum drain height is 1 m.</li> </ul>
The fault indicator light  lights up, <i>F</i> and <i>l0</i> appear alternately in the time display and the buzzer sounds.	<p>The water inlet is blocked or restricted.</p> <ul style="list-style-type: none"> <li>■ Check whether the tap is turned on properly.</li> <li>■ Check whether the inlet hose is kinked.</li> <li>■ Check whether there is sufficient water pressure.</li> </ul>
	<p>The filter in the water inlet is blocked.</p> <ul style="list-style-type: none"> <li>■ Clean the filter.</li> </ul>
The fault indicator light  lights up, <i>F</i> and <i>l38</i> appear alternately in the time display and the buzzer sounds.	<p>The water protection system has reacted.</p> <ul style="list-style-type: none"> <li>■ Turn off the tap.</li> <li>■ Call Miele.</li> </ul>
<i>F</i> and <i>XXX</i> appear alternately in the time display and the buzzer sounds.	<p>There is a fault.</p> <ul style="list-style-type: none"> <li>■ Disconnect the washing machine from the electricity supply. Switch off at the wall and withdraw the plug from the socket, or switch off the mains circuit breaker.</li> <li>■ Wait <b>at least 2 minutes</b> before reconnecting the washing machine to the electricity supply.</li> <li>■ Then switch the washing machine on again.</li> <li>■ Restart the programme.</li> </ul> <p>If the fault message appears again, contact Miele.</p>

## Problem solving guide

### During the programme, a symbol appears in the time display

Message	Possible cause and remedy
<b>-0-</b> lights up	The programme selector was moved to a different position after the programme had started. <ul style="list-style-type: none"> <li>■ Turn the programme selector back to the original position.</li> </ul>
<b>Ctrl</b> lights up briefly in the time display when a programme is selected.	The washing machine is indicating that it is networked.
<b>OFF</b> lights up in the time display when the <b>MobileStart</b>  programme is selected.	The remote control function is switched off. <ul style="list-style-type: none"> <li>■ Activate the remote control programmable function <i>P97</i> to operate the washing machine via the App.</li> </ul>
<b>Con</b> lights up in the time display when the <b>MobileStart</b>  programme is selected.	The washing machine is networked and can be operated via the App.
<b>noC</b> lights up in the time display when the <b>MobileStart</b>  programme is selected.	Miele@home is not set up. <ul style="list-style-type: none"> <li>■ Network the washing machine; see “Before using for the first time – 2. Setting up Miele@home”.</li> </ul>
<b>lno</b> lights up in the time display when the washing machine is switched on.	Miele@home is not available. <ul style="list-style-type: none"> <li>■ Switch off the washing machine.</li> <li>■ Then switch the washing machine on again.</li> <li>■ If <b>lno</b> appears again, contact Customer Service.</li> </ul> <p>The washing machine can continue to be used.</p> <ul style="list-style-type: none"> <li>■ Touch the illuminated  sensor control.</li> </ul>

### At the end of the programme, an indicator light lights up in the control panel

Problem	Possible cause and remedy
The indicator light  lights up.	Excessive foam has built up during washing. <ul style="list-style-type: none"> <li>■ Use less detergent next time and follow the manufacturer's instructions on dosage given on the packaging.</li> </ul>
The <b>i</b> indicator light lights up and 1 appears in the time display.	A wash programme using a temperature above 60°C has not been run for a long time. <ul style="list-style-type: none"> <li>■ Run the <i>Cottons</i> 90°C programme using Miele IntenseClean machine cleaner or a universal powder detergent.</li> </ul> <p>This will clean the washing machine and prevent a build-up of bacteria and odours.</p>
<i>F</i> and 37 alternately appear in the time display.	The <i>Pre-ironing</i> Extra which runs at the end of the programme could not be carried out properly. <ul style="list-style-type: none"> <li>■ Check whether the washing machine is aligned correctly (see "Installation – Levelling the machine").</li> <li>■ Check whether the maximum drain height of 1 m has been exceeded.</li> </ul> <p>If the fault message appears again, contact Miele. The washing machine can still be used, but without the <i>Pre-ironing</i> Extra.</p>

### Messages or faults with the TwinDos system

Problem	Possible cause and remedy
The <i>TwinDos</i> white items sensor flashes.	The UltraPhase 1 cartridge is empty. <ul style="list-style-type: none"> <li>■ Replace the UltraPhase 1 cartridge while the washing machine is switched on.</li> </ul>
The <i>TwinDos</i> coloured items sensor flashes.	The UltraPhase 2 cartridge is empty. <ul style="list-style-type: none"> <li>■ Replace the UltraPhase 2 cartridge while the washing machine is switched on.</li> </ul>
The <b>i</b> indicator light lights up and 2 appears in the time display.	TwinDos has not been used for a long time. It is possible that detergent has dried inside the hoses. <ul style="list-style-type: none"> <li>■ <b>Immediately</b> carry out the TwinDos maintenance programme as described in "Cleaning and care – TwinDos maintenance".</li> </ul>




## Problem solving guide

Problem	Possible cause and remedy
No detergent was dispensed during the main wash.	<p>TwinDos was not activated.</p> <ul style="list-style-type: none"> <li>■ Touch the <i>TwinDos white items</i> or <i>TwinDos coloured items</i> sensor before running the next programme.</li> </ul> <p>TwinDos is activated.</p>
	<p>The detergent was not dispensed even though the <i>TwinDos white items</i> or <i>TwinDos coloured items</i> sensor was activated.</p> <ul style="list-style-type: none"> <li>■ Start another programme with TwinDos dispensing.</li> <li>■ If detergent is still not dispensed, call Miele.</li> </ul>
A new detergent cartridge has been inserted, but the cartridge is identified as empty when the machine is switched on.	<p>The washing machine was switched off when the detergent cartridge was replaced.</p> <ul style="list-style-type: none"> <li>■ Switch on the washing machine.</li> <li>■ Remove the detergent cartridge and then reinsert it into the compartment.</li> </ul> <p>The counter is set to 0.</p>

## General problems with the washing machine

Problem	Possible cause and remedy
The washing machine smells.	<p>The <b>i</b> indicator light lighting up and <b>!</b> appearing in the time display was ignored. A wash programme using a temperature above 60°C has not been run for a long time.</p> <ul style="list-style-type: none"> <li>■ In order to prevent bacteria and unpleasant odours building up in the washing machine, run the <i>Cottons 90°C</i> programme using Miele IntenseClean machine cleaner or a universal powder detergent.</li> </ul>
	<p>The detergent dispenser drawer was left closed after washing.</p> <ul style="list-style-type: none"> <li>■ Leave the detergent dispenser drawer slightly open to allow it to dry.</li> </ul>
The machine shakes during the spin cycle.	<p>The machine feet are not level.</p> <ul style="list-style-type: none"> <li>■ Level the machine and adjust the feet correctly.</li> </ul>
The laundry has not been spun properly and the laundry is still wet.	<p>The machine detected an imbalance during the final spin and reduced the spin speed automatically.</p> <ul style="list-style-type: none"> <li>■ Include both large and small items in the load as this will give better distribution.</li> </ul>

## Problem solving guide

Problem	Possible cause and remedy
<b>The pump makes strange noises.</b>	This is not a fault. These slurping noises occur at the end of the pump sequence as a normal part of operation.
<b>Large amounts of detergent residue remain in the detergent dispenser drawer.</b>	The water pressure is too low. <ul style="list-style-type: none"> <li>■ Clean the water inlet filter.</li> <li>■ Please note that the water pressure must be at least 100 kPa (1 bar).</li> </ul>
	Powder detergent used in conjunction with water softeners tends to become sticky. <ul style="list-style-type: none"> <li>■ Clean the detergent dispenser drawer and, in the future, add washing powder to the dispensing drawer first, and then add the water softener.</li> </ul>
<b>Fabric softener is not completely dispensed or too much water remains in the  compartment.</b>	The siphon tube is not correctly positioned, or is clogged up. <ul style="list-style-type: none"> <li>■ Clean the siphon (see “Cleaning and care - Cleaning the detergent dispenser drawer”).</li> </ul>
<b>At the end of the programme there is still liquid in the capsule.</b>	The small pipe in the detergent dispenser drawer onto which the capsule is placed is blocked. <ul style="list-style-type: none"> <li>■ Clean the small pipe.</li> </ul>
	This is not a fault. For technical reasons, a small amount of water will remain in the capsule.
<b>There is water next to the capsule in the fabric softener compartment.</b>	The  sensor was not activated. <ul style="list-style-type: none"> <li>■ Make sure that you remember to activate the  sensor the next time you insert a capsule.</li> </ul>
	An empty capsule was not removed at the end of the last wash programme. <ul style="list-style-type: none"> <li>■ Remove and dispose of the empty capsule at the end of each programme.</li> </ul>
	The small pipe in the detergent dispenser drawer onto which the capsule is placed is blocked. <ul style="list-style-type: none"> <li>■ Clean the small pipe.</li> </ul>

## Problem solving guide

### An unsatisfactory wash result

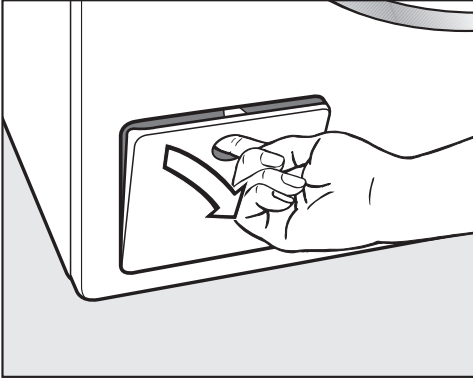
Problem	Possible cause and remedy
<b>Liquid detergent does not give the required result.</b>	<p>Liquid detergents usually contain no bleaching agents. They do not remove fruit, coffee and tea stains.</p> <ul style="list-style-type: none"> <li>■ Use the Miele 2 Phase System. The targeted addition of UltraPhase 2 during the wash process removes stains effectively.</li> <li>■ Use a general purpose powder detergent containing a bleaching agent.</li> </ul>
<b>Grey, greasy particles cling to washed laundry.</b>	<p>Insufficient amounts of detergent were used to break down the particles of grease in heavily soiled laundry.</p> <ul style="list-style-type: none"> <li>■ Use more detergent or liquid detergent.</li> <li>■ Before washing the next load, run a <i>Cottons 60°C</i> programme with powder detergent but without a load.</li> </ul>
<b>White residues which look like powder detergent are seen on dark textiles after washing.</b>	<p>The detergent contained compounds (zeolites) to aid water softening which are not soluble in water. These have ended up on the laundry.</p> <ul style="list-style-type: none"> <li>■ Try and brush off the residues with a soft brush once the laundry is dry.</li> <li>■ Wash dark textiles using a detergent which does not contain zeolites. Liquid detergents usually do not contain zeolites.</li> <li>■ Use the <i>Dark garments/Denim</i> programme.</li> </ul>

### The door will not open

Problem	Possible cause and remedy
<b>The door cannot be pulled open during a programme.</b>	<p>The drum is locked during a programme.</p> <ul style="list-style-type: none"> <li>■ Follow the instructions in "6. Starting the programme – Adding laundry during a programme sequence".</li> </ul>
<b>After the programme is cancelled, flashing bars [ ]...[ ]...[ ]... appear in the time display.</b>	<p>For safety reasons, the door cannot be opened if the suds temperature is higher than 55°C.</p> <ul style="list-style-type: none"> <li>■ Wait until the temperature in the drum has decreased and the bars have stopped flashing in the display.</li> </ul>
<b>F and 35 alternately appear in the time display.</b>	<p>The door lock has jammed.</p> <ul style="list-style-type: none"> <li>■ Call Miele.</li> </ul>

### Opening the door in the event of a blocked drain outlet and/or power cut


- Switch off the washing machine.



- Open the access panel for the drain pump.

### Blocked drain outlet

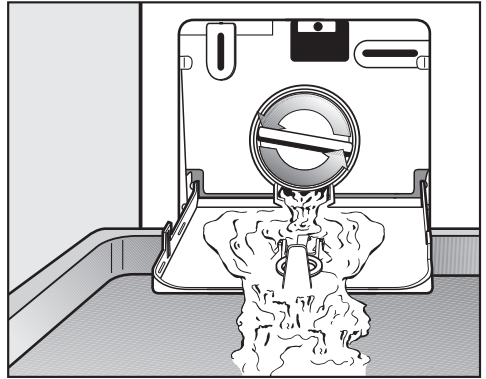
If the drain outlet is blocked, a larger quantity of water can remain in the washing machine.

 Risk of scalding due to hot suds. Escaping suds will be hot if laundry has been washed at high temperatures!  
Carefully allow all suds to drain off.

### Procedure for draining the machine

When removing the drain filter, do not remove it completely.

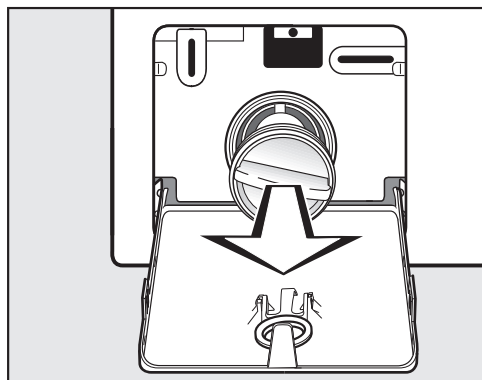
- Place a suitable container under the access panel, e.g. a universal oven tray.



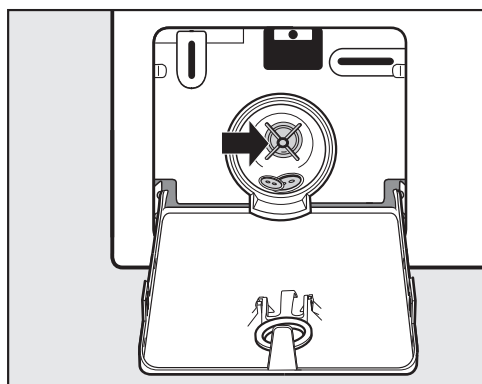
- Slowly and carefully unscrew the filter to let the water out. Be careful not to release too much water at once. If the flow of water is too strong, some water can seep into the washing machine base and activate the water protection system. This will prevent the washing machine from functioning.
- Tighten the drain filter back up again if you need to interrupt the flow of water.

Once the flow of water ceases:

## Problem solving guide



- Remove the drain filter completely.



- Clean the drain filter thoroughly.
- Remove any foreign objects (e.g., buttons, coins etc.) and clean the interior. Turn the impeller by hand to check that it rotates freely.
- Replace the drain filter correctly and tighten it securely.
- Close the drain pump access panel.



Risk of water damage.

Make sure the drain filter is securely tightened. Otherwise there is a risk of water leakage during use.

Replace the drain filter correctly and tighten it securely.

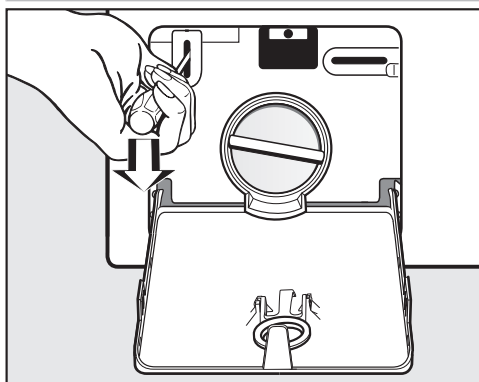
### Opening the door



Danger of injury due to rotating drum!

Reaching into a moving drum is extremely dangerous. Danger of injury!

Always make sure that the drum is stationary before reaching in to remove laundry.



- Use a screwdriver to unlock the door of the machine as shown.
- Pull open the door.



You can find information on how to remedy faults yourself and about Miele spare parts at [www.miele.com.au/service](http://www.miele.com.au/service) or [www.miele.co.nz/service](http://www.miele.co.nz/service).

## Contact in case of fault

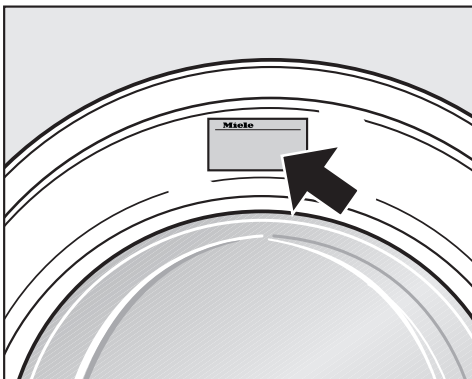
In the event of any faults which you cannot remedy yourself, please contact Miele.

You can book a Miele customer service call-out online at [www.miele.com.au/service](http://www.miele.com.au/service) or [www.miele.co.nz/service](http://www.miele.co.nz/service).

Contact information for Miele can be found at the end of this booklet.

Please quote the model and serial number of your appliance when contacting Miele. This information can be found on the data plate.

The data plate is found above the porthole glass when the door is opened.



## Optional accessories

Optional spare parts and accessories for this washing machine are available from Miele.

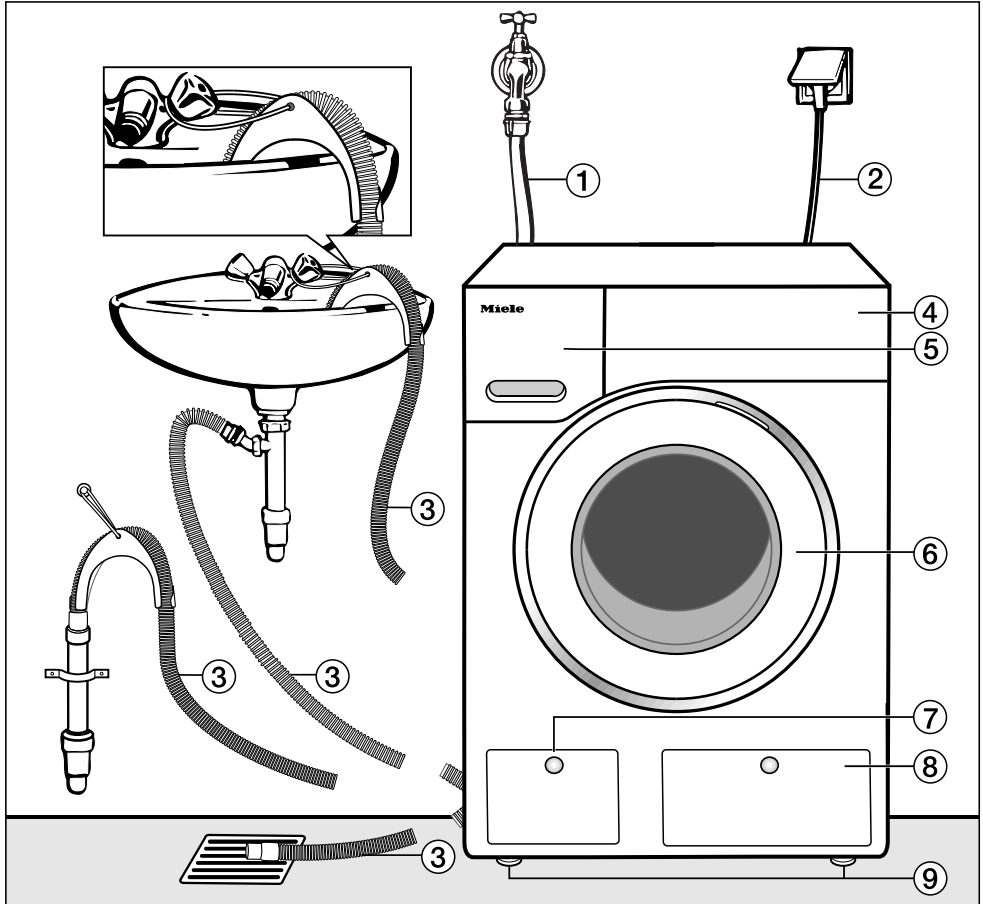
## Warranty

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

For further information, please refer to your warranty booklet.

# Installation

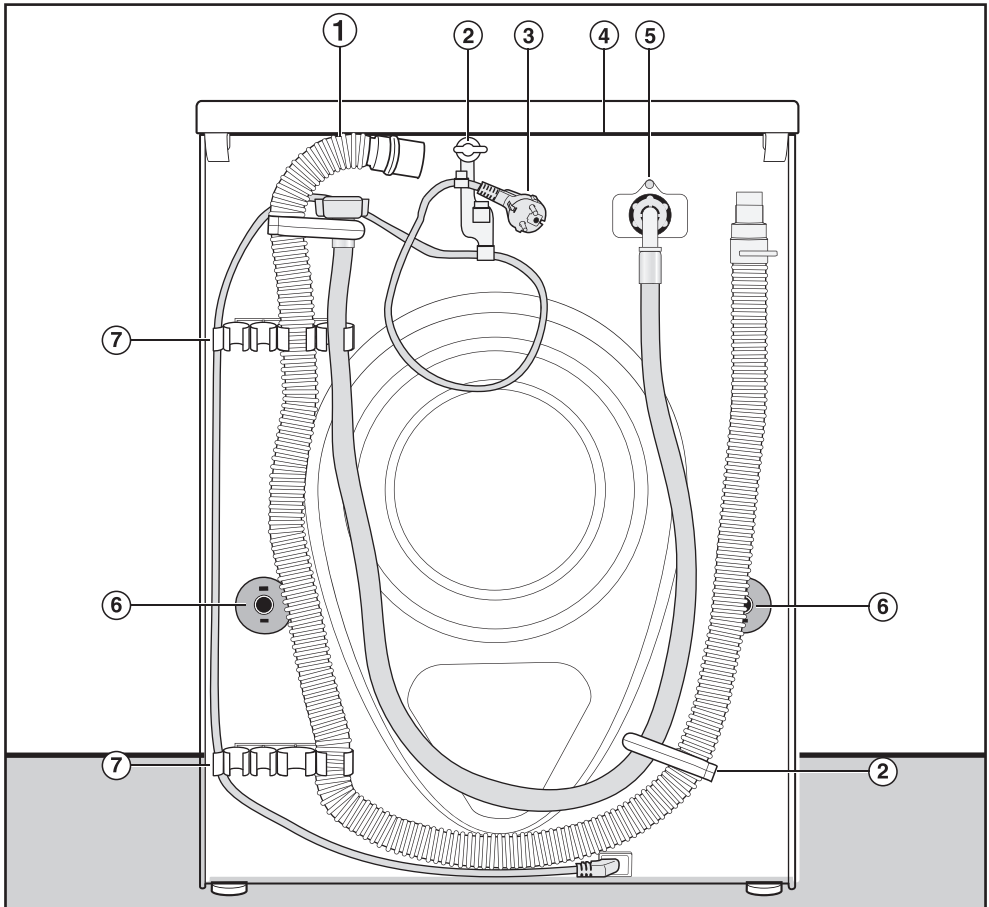
## Front view



- ① Inlet hose (tested to withstand pressures up to 7000 kPa)
- ② Electrical connection
- ③ Flexible drain hose (with detachable swivel elbow)
- ④ Control panel

- ⑤ Detergent dispenser drawer
- ⑥ Door
- ⑦ Access to filter, pump and emergency release
- ⑧ Access panel for TwinDos cartridges
- ⑨ Four height-adjustable feet

## Rear view



- ① Drain hose
- ② Transport clips for inlet and drain hoses and mains connection cable
- ③ Electrical connection
- ④ Protruding lid for holding when moving the machine

- ⑤ Inlet hose (tested to withstand pressures up to 7000 kPa)
- ⑥ Safety caps for transit bars
- ⑦ Transport clips for inlet and drain hoses and for storing transit bars when not in use

# Installation

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## Installation surface

A concrete floor is the most suitable installation surface. It is far less prone to vibration during the spin cycle than wooden floorboards or a carpeted surface.

Please note:


- The machine must be level and securely positioned.
- To avoid vibrations during spinning, the machine should not be installed on soft floor coverings.

If installing on a wooden joist floor:

- Install the machine on a plywood base (at least 59 x 52 x 3 cm). The base should span several joists and be bolted to the joists and not only to the floorboards. Check for the presence of pipes and cables first.

**Useful tip:** If possible, install the machine in a corner. This is usually the most stable part of the floor.

## Transporting the washing machine to its installation site

 Danger of injury due to unsecured lid.

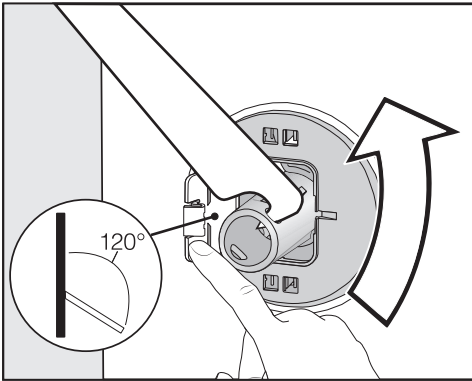
Make sure the fixings at the back of the lid are secure. They may become brittle due to external circumstances. There is a danger of the lid being pulled off when carrying the appliance.

Before carrying the appliance, check that the lid is secure where it protrudes at the back.

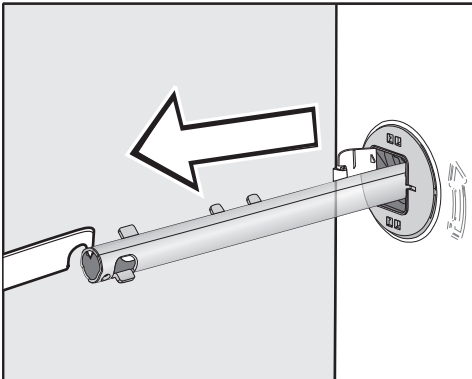
- Carry the washing machine by the front feet and by the lid where it protrudes at the back of the appliance.

## Removing the transit bars

### Removing the left transit bar

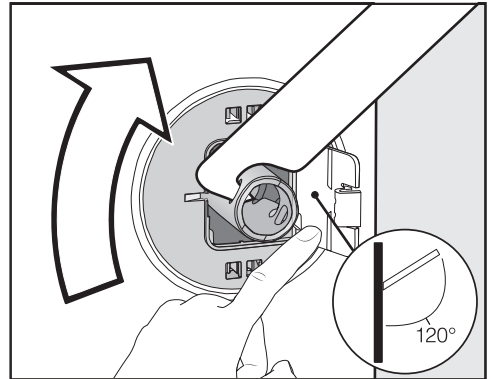


- Push the flap outwards and turn the transit bar 90° using the enclosed spanner.

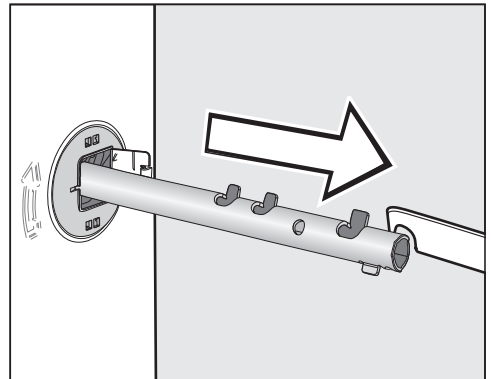


- Then pull the transit bar out.

### Removing the right transit bar




- Push the flap outwards and turn the transit bar 90° using the enclosed spanner.

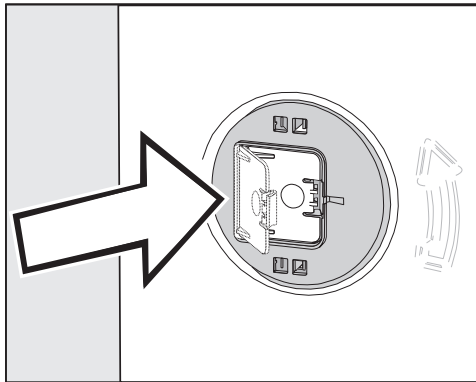


- Then pull the transit bar out.

# Installation

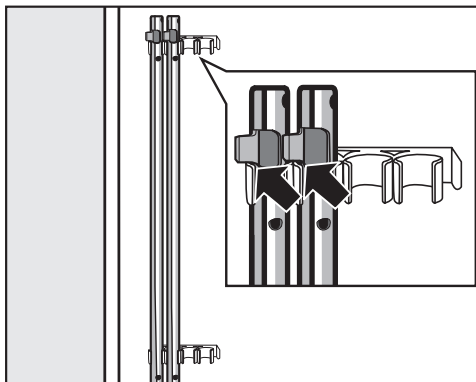
## Covering the holes

 Risk of injury from sharp edges!  
There is a risk of injury from reaching into holes that are not covered.  
To avoid the risk of injury, the holes for the transit bars must be covered after the transit bars have been removed.




- Press the flaps firmly shut until they click into place.

## Securing the transit bars

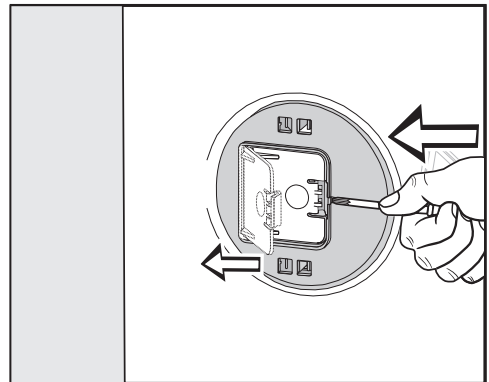


- Secure the transit bars to the back of the washing machine. Make sure that the top catch is located above the holder.

 Risk of damage from incorrect transport.  
The washing machine may become damaged if moved without the transit bars in place.  
Keep the transit bars in a safe place.  
Fit them again if the machine is to be moved (e.g. when moving house).

## Fitting the transit bars

### Opening the flaps



- Push against the catch with a pointed object, e.g. a narrow screwdriver.

The flap will open.

### Fitting the transit bars

- Install the transit bars in reverse order to their removal.

**Useful tip:** If you lift the drum slightly, the transit bars can be pushed in more easily.

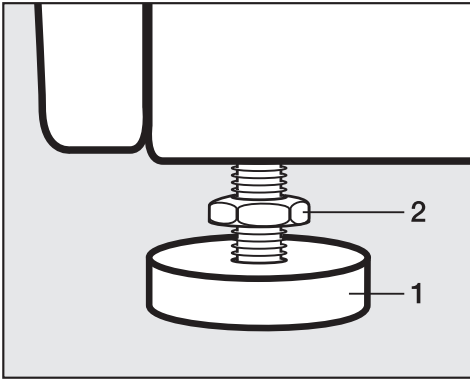
## Levelling the machine

The washing machine must stand perfectly level on all four feet to ensure safe and proper operation.

Incorrect installation may increase electricity and water consumption and may cause the machine to move about.

## Screwing out and adjusting the feet


The four adjustable screw feet are used for levelling the washing machine. All four feet are screwed in when the appliance is delivered.



- Using the spanner supplied, turn counter nut **2** in a clockwise direction. Then turn counter nut **2** together with foot **1** to unscrew.



- Use a spirit level to check that the washing machine is standing level.
- Hold foot **1** securely with a pipe wrench. Turn counter nut **2** again using the spanner supplied until it sits firmly up against the housing.


 Risk of damage due to incorrectly aligned washing machine.

There is a danger of the washing machine moving about if the feet are not secured.

Turn all four counter nuts for the feet until they sit firmly up against the housing. Please also check this for the feet which did not need adjustment.

# Installation

## Installing under a continuous worktop

 Risk of electric shock due to exposed cables.

There is a risk of coming into contact with live parts while the lid is removed.

Do not remove the washing machine lid.

This washing machine (with lid intact) can be pushed under a worktop if there is space to do so.

### Plinth

The washing machine can be installed on a plinth with drawer (please note the plinth may not be available in all countries).

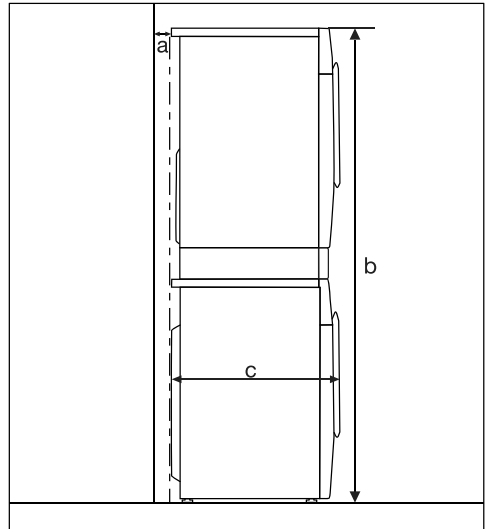
The plinth must be purchased as a pair and secured to the second plinth supporting another tumble dryer or washing machine.

## Washer and dryer stack

A Miele tumble dryer can be stacked with the washing machine. The appropriate “WTV” stacking kit\* to match your tumble dryer is required.

All parts marked \* are available from Miele.

### Please note:



**a** = at least 2 cm

**b** = WTV without drawer: 172 cm  
WTV with drawer: 181 cm

**c** = 65 cm



## The Miele water protection system

The Miele water protection system protects all parts of the washing machine and surrounds from water damage.

The system consists of three main components:

- the inlet hose
- the electronic unit and drainage and overflow protection
- the drain hose

### Inlet hose

- Protection against bursting  
The inlet hose is tested to withstand pressures up to 7000 kPa.


### Electronic unit and machine housing

- Sump: any leaking water from the washing machine is collected in the floor tray. There is a float switch to close the water intake valve. The water inlet is shut off and any water inside the suds container is drained away.
- Leak protection: any leaking water that is not collected in the sump is detected. The water inlet is shut off and any water inside the suds container is drained away.
- Overflow protection: this prevents the washing machine from taking in too much water and overflowing. If the water level exceeds a certain level, the drain pump switches on and pumps the excess water away in a controlled way.

## Drain hose

The drain hose is protected by a ventilation system which prevents the washing machine from being emptied completely.

## Connection to the water supply

 Health risk and risk of damage due to contaminated mains water. The quality of the water used must correspond to the drinking water specification of the country in which the washing machine is being operated. Always connect the washing machine to potable water.

The washing machine must be connected to a mains water supply in accordance with current local and national safety regulations.

The water connection pressure needs to be between 100 kPa (1 bar) and 1000 kPa (10 bar). If the water connection pressure exceeds 1000 kPa, a pressure reducing valve must be installed.

A tap with a  $\frac{3}{4}$  inch threaded union is required for the connection. If this is not available, only a qualified plumber may connect the washing machine to the mains water supply.

The washing machine is not suitable for connection to a hot water supply.

# Installation


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## Connecting the water inlet hose

- Screw the water inlet hose with the nut onto the thread of the tap.
- Slowly turn on the tap and check the connection for leaks.
- Correct the position of the seal and screw thread if necessary.

## Maintenance

Only use a genuine Miele hose should you ever need a replacement. These are tested to withstand pressures up to 7000 kPa.

 A filter is located in the open end of the inlet hose and another in the intake point to protect the inlet valve. The filters must remain in place, and be replaced after cleaning.

## Hose extension

Longer hoses 2.5 m or 4.0 m in length are available from Miele as optional accessories (depending on country).

## Drainage

The suds are drained through a drain pump with a 1 m high delivery head. For the water to drain freely, the hose must be free of kinks.

If required, the hose can be extended to a length of up to 5 m. The necessary parts can be ordered from Miele (depending on country).

For a delivery head of more than 1 m (up to a max. of 1.8 m), a replacement drain pump will need to be fitted. Please contact Miele for advice.

For a delivery head of 1.8 m, the hose can be extended to a length of up to 2.5 m. The necessary parts can be ordered from Miele (depending on country).

## Drain hose connection options

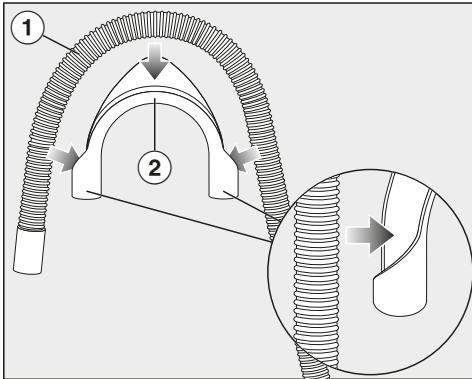
1. Directed into a laundry trough or tub or into the sud-saver pipe of a laundry trough or tub.

Please note:

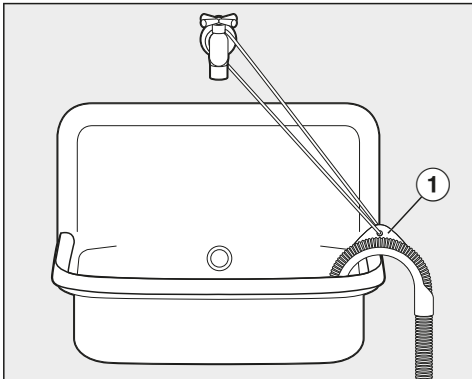
- Hook the hose over the edge and secure it.
  - Make sure that the water can drain away freely without hindrance. Otherwise there is a risk of water overflowing or of some of the drained water being sucked back into the machine.
2. Connected securely to a trapped waste pipe.
  3. Connected securely to a floor drain (gully).

## Using the elbow

To prevent the drain hose from slipping, use the enclosed elbow.

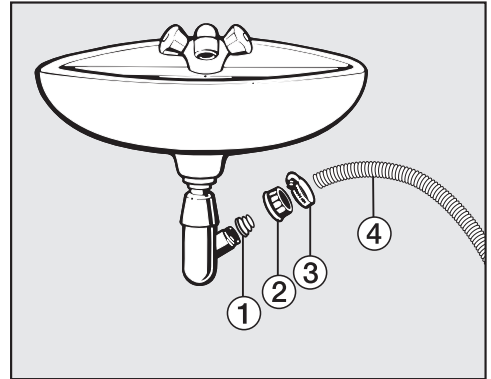


- Attach the elbow (2) to the drain hose (1).



- Hang the drain hose over the sink.
- Secure the elbow from slipping using a strap and the eyelet (1).

## Direct connection to a sink drain outlet



- ① Adapter
- ② Washbasin nut
- ③ Hose clip
- ④ End of the hose

- Fit the adapter (1) to the sink drain outlet using the nut (2).
- Attach the end of the hose (4) to the adapter (1).
- Use a screwdriver to tighten the hose clip (3) up close to the nut.

# Installation

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## Electrical connection

The washing machine is supplied with a mains cable with moulded plug ready for connection to a switched socket.

The socket should be easily accessible after the machine has been installed. If the switch is not accessible after installation, an additional means of disconnection must be provided for all poles.



**Risk of fire from overheating!**

Connecting the washing machine to a multi-socket plug adapter or to an extension lead can overload the cable.

Do not use an extension lead or multi-socket plug adapter.

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

For extra safety, it is advisable to install a suitable residual current device (RCD) with a trip current of 30 mA. Ensure power is not supplied to the appliance until after the installation has been completed.


If the mains connection cable is damaged, it must only be replaced with a specific mains connection cable of the same type (available from Miele). For safety reasons, such replacement may only be carried out by a suitably qualified and competent technician or by a Miele authorised service technician, in order to avoid a hazard.

The data plate indicates the nominal power consumption and the appropriate fuse rating. Compare this information with the data of the on-site electrical connection.

If in any doubt, consult a qualified electrician.

Temporary or permanent operation with a self-sufficient or non-mains synchronous energy supply system (e.g. isolated networks, back-up systems) is possible. A requirement for the operation is that the energy supply system complies with all current local and national requirements that apply to stand-alone, solar and/or battery systems.

The protective measures provided in the domestic installation and in this Miele product must also be assured in their function and operation in isolated operation or in non-mains synchronous operation, or replaced with equivalent measures in the installation.

Programmes	Load kg	Energy kWh	Water Litres	Duration h:min	Temperature <sup>1</sup> °C	Residual moisture %	Speed rpm
Cottons	60	1.35	49	2:29	52	53	1400
	20	0.35	69	2:39	20	53	1400
Minimum iron	30	0.45	52	1:59	30	30	1200
Express 20 <sup>2</sup>	40	0.34	30	0:20	26	60	1200
Woollens 	30	0.23	35	0:39	—	—	1200

<sup>1</sup> Maximum laundry temperature reached in main wash.

<sup>2</sup> *Short* Extra activated

### Information for customers:

Consumption data can vary from the nominal values listed depending on water pressure, water hardness, water inlet temperature, room temperature, type and volume of load, fluctuations in the electricity supply and any Extras selected.

## Technical data

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Height	850 mm
Width	596 mm
Depth	643 mm
Depth with door open	1077 mm
Height for building under	850 mm
Width for building under	600 mm
Weight	Approx. 85 kg
Capacity	8.0 kg dry laundry
Supply voltage	See data plate
Rated load	See data plate
Fuse rating	See data plate
Consumption data	See "Consumption data"
Minimum water flow pressure	100 kPa (1 bar)
Maximum water flow pressure	1000 kPa (10 bar)
Water inlet hose length	1.60 m
Drain hose length	1.50 m
Mains connection cable length	2.00 m
Drain pump head height max.	1.00 m
Drain pump length max.	5.00 m
LEDs	Class 1
Test certifications awarded	See data plate
Power consumption when switched off	0.30 W
Networked standby	0.60 W
Frequency band	2.4000 GHz – 2.4835 GHz
Maximum transmission power	< 100 mW

# Programmable functions

The programmable functions are used to alter the machine's electronics to suit changing requirements. Programmable functions can be altered at any time.

Programming is carried out in 8 steps (1, 2, 3 ... 8) using sensors.

## Accessing the programming level

Before you begin, ensure the following:

- The washing machine is switched on (the programme selector is pointing to a wash programme).
- The washing machine door is open.

1 Touch the *Start/Add laundry* sensor and hold it down during step 2.

2 Close the washing machine door.

Wait until the *Start/Add laundry* sensor lights up constantly ...

3 ... and then release the *Start/Add laundry* sensor.

After approx. four seconds, *P11* will light up in the time display.

## Choosing and selecting programmable functions

The number of the programmable function will appear in the display as *P* and a number: e.g. *P13*.

4 Touch the > or < sensor to scroll to the next or previous programmable function:

Programmable functions	
<i>P11</i>	Buzzer duration
<i>P12</i>	Buzzer
<i>P13</i>	Keypad tone
<i>P14</i>	PIN Code
<i>P22</i>	Control panel switch-off status
<i>P24</i>	Memory
<i>P26</i>	Longer pre-wash Cottons
<i>P28</i>	Gentle action
<i>P29</i>	Reduce temperature
<i>P32</i>	Maximum rinse level
<i>P33</i>	Suds cooling
<i>P34</i>	Anti-crease
<i>P49</i>	Low water pressure
<i>P62</i>	Backlight brightness dimmed
<i>P65</i>	TwinDos
<i>P66</i>	Dosage quantity UltraPhase 1
<i>P67</i>	Dosage quantity UltraPhase 2
<i>P68</i>	TwinDos maintenance
<i>P69</i>	Degree of soiling
<i>P90</i>	Operating hours
<i>P00</i>	Factory default setting
<i>P97</i>	Remote control
<i>P98</i>	SmartGrid
<i>P99</i>	RemoteUpdate

5 Confirm the selected programmable function by touching the *Start/Add laundry* sensor.

# Programmable functions

## Editing and saving the programmable function

You can either switch a programmable function on or off or select different options.


- 6 Touch the > or < sensor to switch the programmable function on/off or to select an option:

Programmable function	Available options					
	-00	-01	-02	-03	-04	-05--99
P12	●	✓	●			
P13	●	●	✓			
P14	✓	●				
P22	●	✓				
P24	✓	●				
P26	✓	●	●	●		
P28	✓	●				
P29	✓	●				
P32	✓	●				
P33	✓	●				
P34	✓	●				
P49	✓	●				
P62		●	✓	●	●	●
P65	●	✓				
P66	●	●	●	●	●	✓
P67	●	●	●	●	●	✓
P68	✓	●	●			
P69		●	✓	●		
P97	●	✓				
P98	✓	●				
P99	●	✓				
P00	✓	●				

- 7 Confirm the chosen selection with the *Start/Add laundry* sensor.

The number of the programmable function, e.g. *P13*, will light up again.

## Exiting the programming level

- 8 Turn the programme selector to .

The settings have been changed. You can alter the settings again at any time.

## P11 Buzzer duration

The buzzer sounds to let you know the programme has finished. You can decide how long the buzzer should sound for.

### Options

- 01 = The buzzer sounds 3 times at the end of the programme.
- 02 = The buzzer sounds until the washing machine switches off automatically (max. 1 hour).

## P12 Buzzer

The buzzer sounds to let you know the programme has finished.

### Options

- 00 = Buzzer is deactivated
- 01 = Buzzer is set to normal
- 02 = Buzzer is set to loud

## P13 Keypad tone

Each touch of a sensor is confirmed with an audible tone.

### Options

- 00 = Keypad tone is switched off
- 01 = Keypad tone is set to normal volume
- 02 = Keypad tone is set to loud volume



## P14 PIN Code

The PIN code prevents the washing machine being used without your knowledge.

When the code has been activated, you have to enter a code after switching the washing machine on. Otherwise the washing machine cannot be operated.

### Options

- 00 = PIN code is switched off
- 01 = PIN code is switched on

## Using the washing machine with a PIN code

The code is **125** and cannot be altered.

- Switch on the washing machine.

\_\_ \_ appears in the time display and the > and < sensors light up.

- Touch the > sensor.

\_\_ / appears in the time display.

- Confirm the number with the *Start/Stop* sensor.

The first number was saved and you can now enter the second number using the > and < sensors.

- Enter the second and third numbers and confirm the numbers with the *Start/Add laundry* sensor.

The lock is released and a wash programme can now be selected and started.

## P22 Control panel standby status

To save energy the time display and sensors will go out after 10 minutes, and only the *Start/Add laundry* sensor will flash slowly.

### Options

- 00 = Off  
The time display and sensors will remain lit up while the washing machine is switched on
- 01 = On  
The time display and sensors will switch off after 10 minutes if the programme is started.  
However, the time display and sensors will remain lit up for 10 minutes after a Delay start time has elapsed, after the end of a programme, or at the end of the Anti-crease phase.

## P24 Memory

The washing machine will save the last settings (temperature, spin speed and some of the Extras) selected for a programme after the programme has started.

When the programme is chosen again, the saved settings will appear in the display.

### Options

- 00 = Memory is switched off
- 01 = Memory is switched on

# Programmable functions

## P26 Longer pre-wash Cottons

If you require a longer pre-wash you can extend the pre-wash time.

### Options

- 00 = No increase in the pre-wash time
- 01 = + 6 minutes increase in the pre-wash time
- 02 = + 9 minutes increase in the pre-wash time
- 03 = + 12 minutes increase in the pre-wash time

## P28 Gentle action

With gentle action activated, drum agitation is reduced. In this way, lightly soiled items can be washed more gently.

Gentle action can be activated for the *Cottons* and the *Minimum iron* programmes.

### Options

- 00 = Gentle action is switched off
- 01 = Gentle action is switched on

## P29 Reduce temperature

At high altitudes water has a lower boiling point. Miele recommends activating the Reduce temperature setting at altitudes of or above 2000 m to prevent water from boiling. The max. temperature is reduced to 80°C, even if a higher temperature is selected.

### Options

- 00 = The Reduce temperature setting is switched off
- 01 = The Reduce temperature setting is switched on

## P32 Maximum rinse level

The water level in the rinse can be permanently set to the highest value.

This function is important for allergy sufferers as it achieves excellent rinse results. The water consumption will be increased.

### Options

- 00 = Maximum rinse level is switched off
- 01 = Maximum rinse level is switched on

## P33 Suds cooling

When this is activated, additional water flows into the drum at the end of the main wash to cool the suds down. Hot suds can damage plastic drainage pipes.

Suds cooling takes place when a Cottons programme with a temperature of 70°C or higher is selected.

Suds cooling should be activated:

- to prevent the danger of scalding if the drain hose is hooked over the edge of a laundry tub or trough.
- where the drainage pipes are rated less than 70°C.

### Options

- 00 = Suds cooling is switched off
- 01 = Suds cooling is switched on

## P34 Anti-crease


The Anti-crease function helps prevent creasing if laundry is not going to be removed immediately after the end of the programme.

At the end of the programme, the drum continues to turn at intervals for up to 30 min. The door can be opened at any time during the Anti-crease phase.

### Options

- 00 = The Anti-crease function is switched off
- 01 = The Anti-crease function is switched on

## P49 Low water pressure

If the water pressure is below 100 kPa (1 bar), the washing machine cancels the programme and the  fault message appears.

If the water pressure cannot be increased, activating this function will prevent the programme from being cancelled.

### Options

- 00 = Low water pressure is switched off
- 01 = Low water pressure is switched on

## P62 Backlight brightness dimmed

The brightness of the dimmed sensors in the control panel can be selected at seven different levels.

It will change as soon as a different setting is chosen.

### Options

- 01 = darkest level
- ↓
- 07 = brightest level

## P55 TwinDos

You can switch TwinDos on or off. The *TwinDos white items* or *TwinDos coloured items* sensor lights up dimly when a wash programme is selected or the sensors are switched off.

### Options

- 00 = TwinDos is switched off
- 01 = TwinDos is switched on

## P66 UltraPhase 1 dispensing quantity

The dispensing quantity is preset to 46 ml at the factory (water hardness level I).

You can adjust the dispensing quantity using this programmable function.

The set millilitres appear in the time display. You can use the > sensor to increase the dispensing quantity and the < sensor to reduce it.

## P67 UltraPhase 2 dispensing quantity

The dispensing quantity is preset to 36 ml at the factory (water hardness level I).

You can adjust the dispensing quantity using this programmable function.

The set millilitres appear in the time display. You can use the > sensor to increase the dispensing quantity and the < sensor to reduce it.

# Programmable functions

## **P58 TwinDos maintenance**

The washing machine has a cleaning programme for the TwinDos system. Running the cleaning programme will clean the hoses inside the washing machine. When the **i** indicator light lights up and **2** appears in the time display, the washing machine must be cleaned.

Refer to “Cleaning and care - TwinDos maintenance” for information on how to perform cleaning.

### Options

- 00 = No cleaning
- 01 = Compartment ① cleaning
- 02 = Compartment ② cleaning

## **P59 Degree of soiling**

The quantity of detergent dispensed via TwinDos and the quantity of water required for rinsing depend on factors including the degree of soiling.

### Options

- 01 = Light
- 02 = Normal
- 03 = Heavy

## **P90 Operating hours**

You can read off how many hours the washing machine has been in operation for.

The total washing time is shown in the time display in single digits. The washing machine has been in operation for 1234 hours, for example. The figure shown in the time display will start with

an **H** followed by a **1**, then a **2** and after this a **3** and a **4**. The letter **H** is displayed again after this.

## **P00 factory default setting**

All programmable functions except **P90** operating hours are reset to the factory default settings.

### Options

- 00 = Go back (without reset to factory default settings)
- 01 = Reset programmable functions to the factory default settings


## **Network**

The **P97**, **P98** and **P99** programmable functions are only displayed if the requirements for using Miele@home have been met (see “Before using for the first time - Miele@home”).

## **P97 Remote control**

You can use the Miele App to check the status of your washing machine from anywhere and start it remotely. You can also control it remotely via the **MobileStart** programme.

You can switch off the **P97** programmable function if you do not want to operate the washing machine with your mobile device. If the **P97** programmable function is not switched on, the App can still be used to cancel the programme.


Use the  sensor to set a time period within which you want to start the washing machine and start the Delay start function (“Delay start/SmartStart”). The washing machine will then start within the time period specified when it receives your signal. If it has not received a start signal by the latest start time set, the washing machine will start automatically.


## Options

- 00 = Remote control function is switched off
- 01 = Remote control function is switched on

## **P98 SmartGrid (only functional in selected countries)**

You can set your washing machine to start automatically based on an external signal within a certain time period.

If you have activated SmartGrid, the  sensor will have the new “SmartStart” function instead of the “Delay start” function.

Use the  sensor to set a SmartStart time period. The washing machine will then start within the time period specified by you when it receives an external signal. If an external signal has not been received by the latest start time set, the washing machine will start automatically (see “Delay start”).

## Options

- 00 = SmartGrid is switched off
- 01 = SmartGrid is switched on

## **P99 RemoteUpdate**

The RemoteUpdate function is used for updating the software in your washing machine. If an update is available for your washing machine, it will automatically download it. Updates will not be installed automatically. They must be initiated manually.

If you do not install an update, you can continue to use your washing machine in the usual way. However, Miele recommends installing updates.

## **Switching on/Switching off**

The RemoteUpdate function is activated as standard. Available updates will be downloaded automatically but will only be installed if you initiate the installation manually. Deactivate RemoteUpdate if you do not want any updates to be downloaded automatically.

## Options

- 00 = RemoteUpdate is deactivated
- 01 = RemoteUpdate is activated

## **Running a RemoteUpdate**

Information about the content and scope of an update is provided in the Miele App.

The message *UP* will appear in the time display if an update is available.

You can install the update immediately or postpone this until later. When the washing machine is switched on again, you will be reminded about the update.

Deactivate RemoteUpdate if you do not want to install any updates.

The update may take several minutes.

# Programmable functions

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Please note the following information about the RemoteUpdate function:

- You will only receive a message when an update is available.
- Once an update has been installed, it cannot be undone.
- Do not switch off the washing machine during an update. Otherwise, the update will be aborted and will not be installed.
- Some software updates can only be carried out by a Miele service technician.

## Starting the update

After the washing machine is switched on, *UP* appears in the time display.

- Touch the Start/Add laundry sensor.

*UP* starts to flash in the time display. The update starts.


Bars in the time display show the progress of the update:

I = 0 %

|||||| = 100 %

## Postponing the update

After the washing machine is switched on, *UP* appears in the time display.

- Touch the  sensor.


The running time of the selected programme appears in the time display.

The next time you switch on the appliance, you will be prompted to start the update again.

## Switching off Wi-Fi

- Turn the programme selector to the *MobileStart* programme.

*Con* appears in the time display.

- Touch and hold the  sensor until the countdown in the time display has finished.

--- appears in the time display.

- The Wi-Fi is switched off.
- The Wi-Fi connection will be reset to the factory setting.

The network configuration should be reset whenever a washing machine is being disposed of or sold, or if a used washing machine is being put into operation. This is the only way to ensure that you have removed all personal data and, in the case of the latter, the previous owner can no longer access the washing machine.

A new connection set-up has to be carried out in order to use Miele@home again.

### **Copyright and licences for the communication module**

For the purpose of operating and controlling the communication module, Miele uses proprietary or third-party software that is not covered by open source licensing terms. These items of software/software components are protected by copyright. The copyright powers of Miele and third parties must be respected.

In addition, the communication module contains software components which are distributed under open source licensing terms. The open source components contained in the appliance along with the corresponding copyright notices, copies of the licensing terms valid at the time, and any further information can be accessed locally via IP using a web browser (*http://<IP address>/Licenses*), where <IP address> is the IP address of the appliance. The liability and warranty arrangements for the open source licences displayed in this location only apply in relation to the respective rights holders.

# Detergents and care products

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Detergent, fabric care products, additives and machine care products are available for this washing machine. All products have been designed for Miele washing machines.

These and many other products can be ordered from [shop.miele.com](http://shop.miele.com), Miele directly or a Miele Experience Centre.

## Detergent

### Miele UltraPhase 1 and 2

- 2-component detergent for whites and colours
- For bright colours and brilliant white laundry
- Excellent stain removal even at low temperatures

### UltraWhite (powder detergent)

- Best results at 20/30/40/60/95°C
- Radiant white laundry thanks to powerful formula with active oxygen
- Excellent stain removal even at low temperatures

### UltraColor (liquid detergent)

- Best wash results at 20/30/40/60°C
- With colour-protection formula for brilliant colours
- Excellent stain removal even at low temperatures
- Also available as a powder detergent

## Specialist detergents

These specialist detergents are available as convenient single-use capsules.

### Caps Sport

- For synthetic fabrics
- Neutralises odours thanks to built-in odour absorber
- Prevents static charge in clothes
- Retains the shape and breathability of synthetic fabrics

### Caps DownCare

- For down-filled items
- Retains the elasticity and breathability of downs
- Lanolin for effective cleaning and gentle care
- Feathers do not stick together and stay fluffy

### Caps WoolCare

- Woollens and delicates detergent
- Special care complex with wheat proteins
- Fibre protection technology to prevent felting
- Colour protection formula for gentle cleaning



## Fabric care

These fabric care products are available as convenient single-use capsules.

### Caps Fabric Softener

- Fabric softener for freshly scented laundry
- Pure and thorough cleanliness with a fresh scent
- For cuddly soft laundry
- Prevents static charge in clothes

## Additive

The additive is available as a convenient single-use capsule.

### Caps Booster

- Highly effective stain remover
- Enzyme technology to help remove stubborn stains
- Suitable for whites and colours
- For excellent wash results even at low temperatures

## Machine care products

### TwinDosCare

- Cleaning agent for the TwinDos dispensing system
- Use before a longer downtime (at least 2 months)
- Use before changing to a different product

### Descaling agent

- Removes heavy limescale deposits
- Mild and gentle with natural citric acid
- Gentle on heater elements, drum and other components

### IntenseClean

- For hygienic cleanliness in washing machines
- Removes grease, bacteria and unpleasant odours
- Effective thorough cleaning

### Water softener tablets

- Reduces quantities of detergent for hard water
- Less detergent residue in textiles
- Less chemicals in waste water due to reduced amount of detergent



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