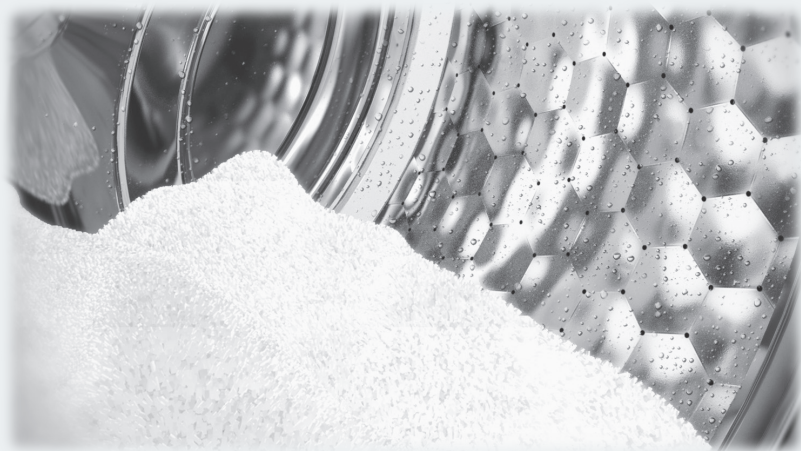


# Operating instructions for washing machines



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

# Caring for the environment

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## Disposal of the packing material

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

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

## 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, or contact your dealer or Miele for advice. You are also responsible (by law, depending on country) for deleting any personal data that may be stored on the appliance being disposed of. Please ensure that your old appliance poses no risk to children while being stored prior to disposal.

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## Warning and Safety instructions

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This washing machine complies with current safety requirements. Inappropriate use can, however, lead to personal injury and damage to property.

To avoid the risk of accidents and damage to the machine, please read these instructions carefully before using it for the first time. They contain important information on its safety, use and maintenance.

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

### Correct application

- ▶ This washing machine is intended for use in domestic households and similar working and residential environments.
- ▶ The washing machine is not intended for outdoor use.
- ▶ It must be used only as a domestic appliance to wash items which are specified by the manufacturer as being washable on the wash care label. Miele cannot be held liable for damage resulting from incorrect or improper use or operation.
- ▶ The washing machine can only be used by people with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, if they are supervised whilst using it or have been shown how to use it safely and recognise and understand the consequences of incorrect operation.

## Safety with children

- ▶ Children under 8 years of age must be kept away from the washing machine unless they are constantly supervised.
- ▶ Children 8 years and older may only use the washing machine unsupervised if they have been shown how to use it safely and recognise and understand the consequences of incorrect operation.
- ▶ Children must not be allowed to clean or maintain the washing machine unsupervised.
- ▶ 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 connection” 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) match the mains electricity supply. If in any doubt, consult a qualified electrician.
- ▶ Reliable and safe operation of this washing machine can only be assured if it has been connected to the mains electricity supply.

## Warning and Safety instructions

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▶ The electrical safety of this washing machine can only be guaranteed when correctly earthed.

It is essential that this standard safety requirement is met. If in any doubt, please have the wiring system of the building tested 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).

▶ Faulty components must only be replaced by genuine Miele original spare parts. Only when these parts are fitted can Miele guarantee the safety standards of the machine.

▶ 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 the manufacturer 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.

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



## Warning and Safety instructions

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- ▶ The machine must be isolated from the electricity supply when cleaning and maintaining the machine and in the event of a fault.
- ▶ 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 should not exceed 1000 kPa.
- ▶ 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 warranty.
- ▶ The machine must not be used in a non-stationary location (e.g. on a ship).
- ▶ Do not make any alterations to the machine, unless authorised to do so by Miele.

## 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 and connection - 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 stopcock 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 wash basin, check that the water can drain off quickly enough to prevent the sink 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.

▶ The maximum load for this washing machine is 8 kg (dry weight). See the “Programme chart” for the maximum recommended loads for individual programmes.

## Warning and Safety instructions

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- ▶ 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 descaling agent which is available to order online at [www.miele.co.uk](http://www.miele.co.uk) 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.
- ▶ 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 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.

# Warning and Safety instructions

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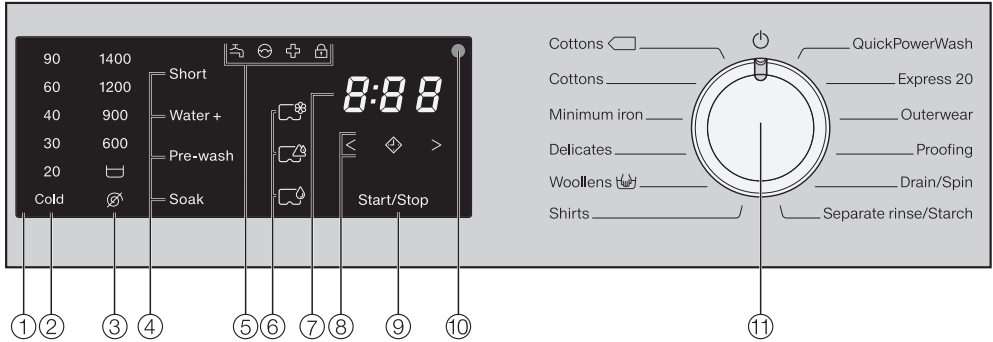
## Accessories






- ▶ Accessory parts may only be fitted when expressly approved by Miele. 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.
- ▶ If installing the machine on a Miele plinth, (available as an optional accessory, depending on country), please make sure you order the correct one for this washing machine.

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

# Operating the washing machine

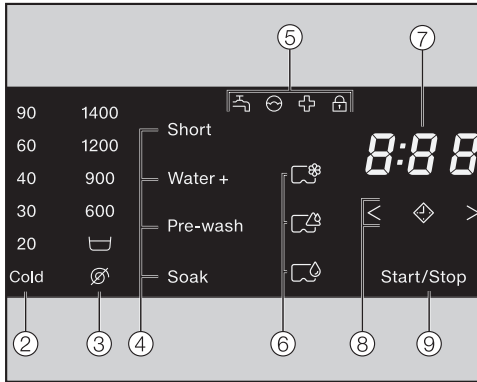
## Control panel



- ① **Control panel**
- ② **Sensor controls – temperature**  
for selecting the temperature.
- ③ **Sensor controls – spin speed**  
for selecting the spin speed.
- ④ **Sensor controls – extras**  
various options can be added to the wash programmes.
- ⑤ **Indicator lights**     
light up when necessary
- ⑥ **Sensor controls – CapDosing**
- ⑦ **Time display**  
for the programme duration
- ⑧ **Sensor controls** <  >  
for the delay start function
- ⑨ **Sensor control – Start/Stop**  
for the programme start/cancellation
- ⑩ **Optical interface**  
for service technicians
- ⑪ **Programme selector**  
for programme selection and for switching the machine off. Selecting a programme switches the washing machine on, and turning the programme selector to  switches the machine off.

# Operating the washing machine

## 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

### ② and ③ sensors for temperature and spin speed

After selecting a wash programme with the programme selector, the recommended temperature (in °C) and spin speed (in rpm) light up brightly.

Selectable temperatures and spin speeds light up dimly.

### ④ Sensor controls for extras

You can select extra options to augment the wash programmes.

If a wash programme has been selected, the sensor controls for the possible 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 as a reminder about hygiene information
- flashes for as long as it is possible to add laundry  
lights up when the door of the washing machine is locked

### ⑥ CapDosing

The CapDosing sensors are used for activating cap dosing.

- Fabric care (e.g. fabric conditioner, proofing agent)
- Additives (e.g. detergent enhancers)
- 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.

If delay start has been selected, the programme duration will appear at the end of the delay start time.

## ⑧ Sensor controls < >

– 

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 selected by touching the < or > sensor.

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.

## ⑨ Start/Stop sensor control

Touching the *Start/Stop* sensor starts the selected programme or cancels a programme that has already been started. The sensor flashes slowly as soon as it is possible for a programme to be started and then lights up constantly after the programme has started.

## Before using for the first time

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

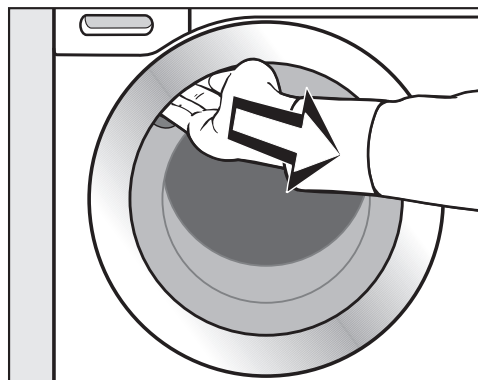
### Protective foil and stickers removal

- Remove:
  - The protective foil from the door
  - Any stickers from the front and the lid

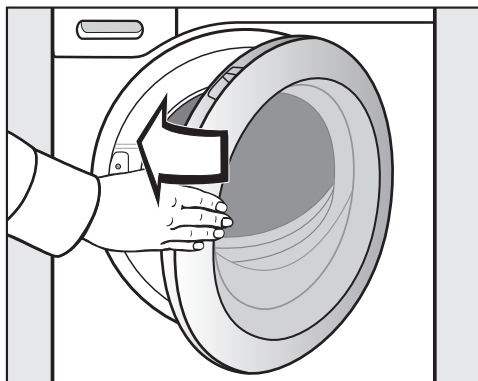
Please do not remove any labels (e.g. the data plate) which are visible when you open the door.

### Remove the drain hose elbow from the drum

An elbow piece for the drain hose is stored in the drum.



- Reach under the door grip and pull the door open.
- Remove the elbow piece.



- 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.

For safety reasons, spinning is not possible until the machine has been prepared for using for the first time. To activate the spinning function you must run a wash programme without laundry and without detergent.

Using detergent could result in an excessive build-up of foam.

This also activates the ball valve. The ball valve prevents detergent escaping from the suds container into the sump during a wash programme, thus making maximum use of the detergent.




## Before using for the first time

### Running the first programme

- Open the stopcock.
- Turn the programme selector to *Cot-tons*.


The washing machine is now switched on and in the control panel, the temperature 60 °C lights up.

- Touch the *Start/Stop* sensor.

The programme will start and the  symbol lights up in the control panel.

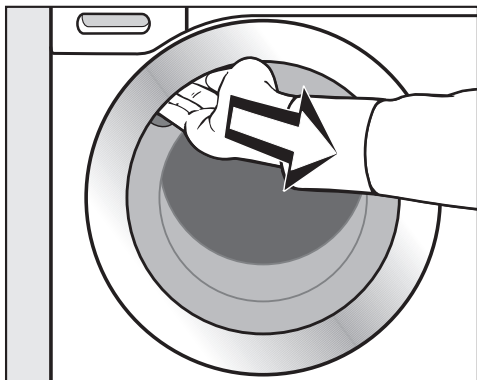
After 10 minutes, the indicators dim and the *Start/Stop* sensor starts flashing.

### At the end of the programme

At the end of the programme, the Anti-crease function is switched on. The  symbol lights up in the control panel; 0:00 appears in the time display and the drum occasionally rotates.


- Touch the *Start/Stop* sensor.

The door will unlock.



- Reach under the door grip and pull the door open.

**Tip:** Leave the door slightly open to allow the drum to dry.

- When the programme has ended, turn the programme selector to .

The washing machine is switched off and is now ready for use.


### Energy savings

- Ten minutes after the beginning of the anti-crease phase, the indicators dim and the *Start/Stop* sensor starts flashing.
- Fifteen minutes after completion of the anti-crease phase, the washing machine is completely switched off and the door lock lifted.

# Washing environmentally and economically

---

## Energy and water consumption

- Water consumption and energy usage are determined by the size of the load.  
To make the most of your machine, load the maximum dry load for the programme you are using.
- When smaller amounts of laundry are washed, the automatic load control will reduce the amount of water and energy used.
- Use the *Express 20* programme for small, lightly soiled loads.
- Modern detergents make it possible to wash at lower temperatures (e.g. 20 °C). Washing using lower temperature settings will save energy.
- To maintain the hygiene of the machine, carry out a hot wash (above 60 °C) at regular intervals. The  indicator will light to remind you to carry out a hot wash.

## Detergent

- Do not exceed the amounts of detergent recommended by the manufacturer on the packaging.
- Adjust the dosage to the degree of soiling of the laundry.
- Reduce the amount of detergent with smaller loads (approx. 1/3 less than the amount recommended can be used when washing a half load).

## Choosing the correct extra option (Short, Soak, Pre-wash)

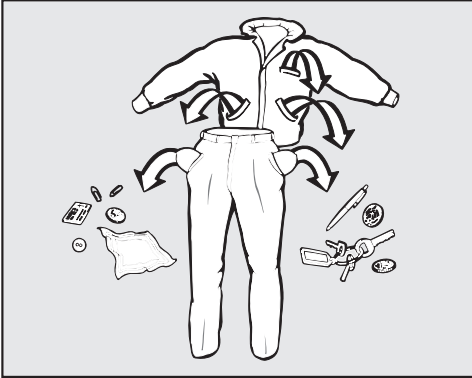
Select:

- A wash programme together with the Short extra option *for light to normal soiling* where there are no obvious marks.
- A wash programme without any extra options for normal to heavy soiling with visible staining.
- A wash programme together with the Soak extra option for heavily soiled laundry.
- The *Pre-wash* extra option for laundry with large amounts of dirt (e.g. dust, sand).

## When drying with a tumble dryer

Selecting the highest possible spin speed for the wash programme will save energy when drying in a tumble dryer afterwards.

# 1. Prepare 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.

## Sort the laundry

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

**Tip:** Dark textiles often contain excess dye and should be washed separately several times before being included in a mixed load. Always wash whites and coloureds 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.

**Tip:** Stains (e.g. blood, egg, coffee, tea) can be pre-treated using some handy tricks which can be found in the Miele guide to laundry care.

**⚠** Damage due to solvent-based cleaning agents  
Cleaning agents containing benzene, stain remover, etc., can damage plastic parts.  
When pre-treating textiles, 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.  
When using solvent-based cleaning agents, an explosive mixture may develop.  
Never use solvent-based cleaning agents in the washing machine.

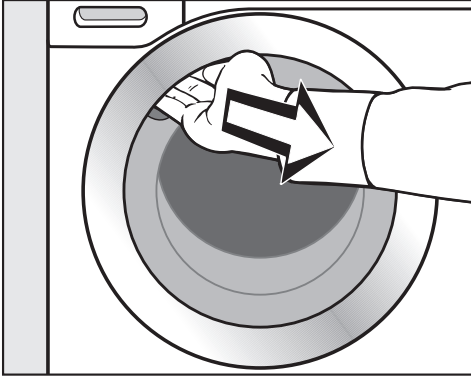
## General tips

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

Do not wash any items in this washing machine which are specified by the manufacturer as **not washable** on the care label (☒ symbol).

## 2. Load the washing machine

### Open the door



- Reach under the door grip and pull the door open.

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

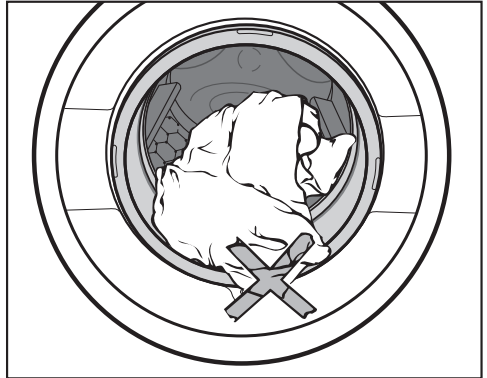
The most efficient use of energy and water is achieved when a full load is washed. However, do not overload as this reduces cleaning efficiency and causes creases.

- Unfold the laundry and load loosely into the drum.

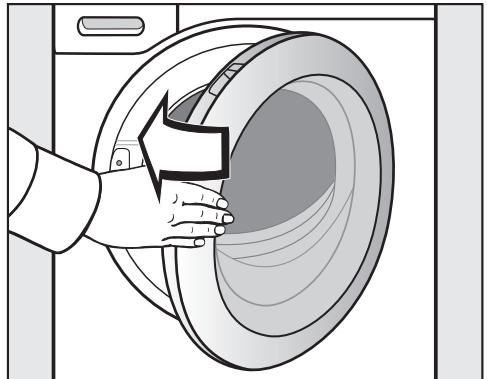
Mixing both large and small items gives better wash results and also helps distribute the load evenly during spinning.

**Tip:** Please note the maximum load for different wash programmes.

### Close the door



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

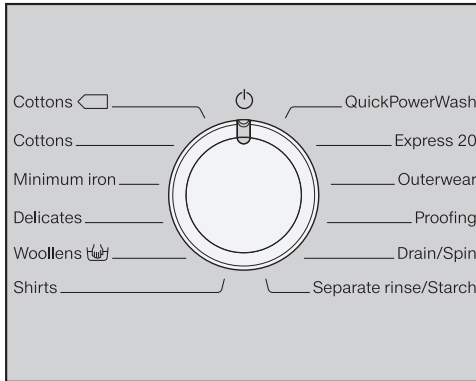


- Shut the door with a gentle swing.

## 3. Select a programme

### Programme selection

The washing machine is switched on by turning the programme selector to a wash programme.





- Turn the programme selector to the required programme.

The likely wash time is shown in the time display and the pre-set temperature and spin speed light up in the control panel.

### Selecting a temperature/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.

90	<b>1400</b>
<b>60</b>	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.

### 3. Select a programme

---

#### Selecting Extras

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

Short

Water +

Pre-wash

Soak

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

**Tip:** You can select multiple extras for a wash programme.

Please refer to “Extras” for more information.

## 4. Add detergent

### Detergent dispenser drawer

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

#### 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).

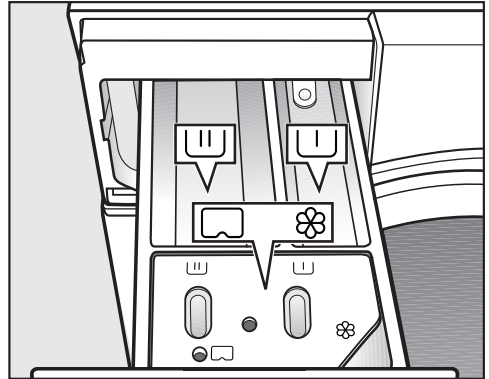
#### Too little detergent:

- Results in laundry not being cleaned properly and may cause it to become grey and hard to the touch over time.
- Can lead to a build-up of mould in the washing machine.
- Results in grease not being completely removed from the laundry.
- Can lead to limescale deposits on the heater elements.

#### Too much detergent

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

### Adding detergent



- Pull out the detergent drawer and add detergent to the compartments.

- U Detergent for the pre-wash
- U Detergent for the main wash and soaking
- ⊗ Fabric softener, liquid starch, or capsules
- U Capsules

## 4. Add detergent

### CapDosing

Three different types of capsule are available:

- ☼ = Fabric care (e.g. fabric conditioner, proofing agent)
- ☼☼ = Additives (e.g. detergent enhancer)
- ☼ = Detergent (for the main wash only)

Each capsule contains the correct amount for one wash cycle.

Caps are available to order from Miele or from the Miele online shop (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 control



for

#### Capsule



for

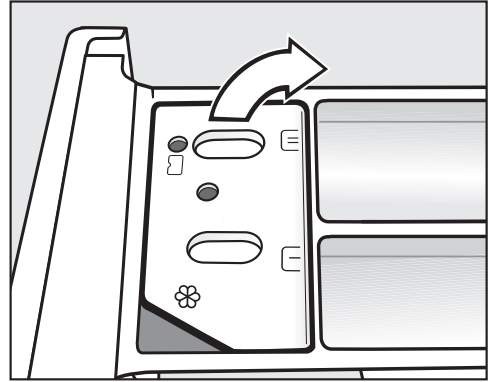


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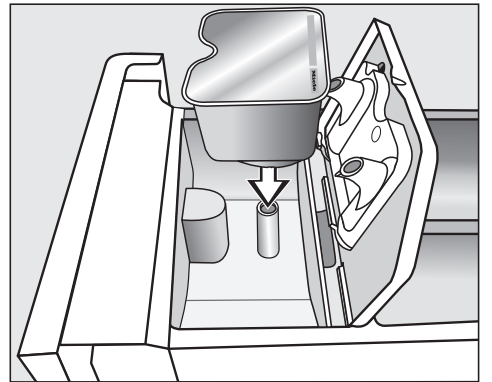


### Inserting a capsule

- Open the detergent dispenser drawer.



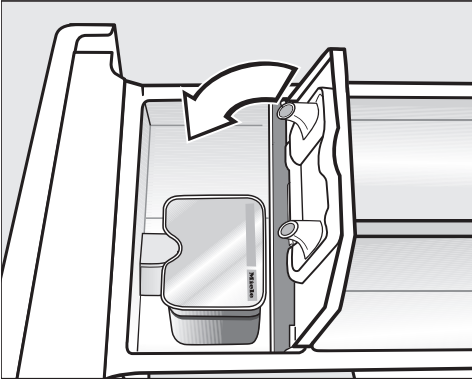
- Open the lid of the ☼☼ compartment.



- Press the capsule in firmly.



## 4. Add detergent



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

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. Dispose of opened capsules.

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

Water intake to the ☼ compartment is solely via the capsule.  
Do not add any additional fabric conditioner to the ☼ compartment.

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

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

### Switching off/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.



## 5. Start the programme

---

### Starting a programme

- Touch the flashing *Start/Stop* sensor.

The door will lock and the programme will start.

- As long as the  symbol is flashing in the control panel you can add laundry.
- When the  symbol lights up constantly, the door is locked until the end of the programme.

If a delay start time has been selected, then this will count down in the time display. At the end of the delay start time or immediately after the programme has started the programme duration will appear in the time display.

### Energy savings


After 10 minutes, the indicators dim. The *Start/Stop* sensor flashes slowly.

To reactivate the indicators:


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

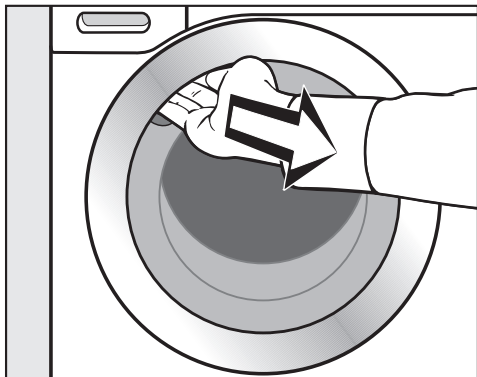
## 6. End of programme - unload the drum

### End of programme

The time display shows 0:00. The  symbol will remain lit up in the control panel. The door is locked in the anti-crease phase.

- Touch the *Start/Stop* sensor.

The door will unlock and the symbol  appears in the control panel.

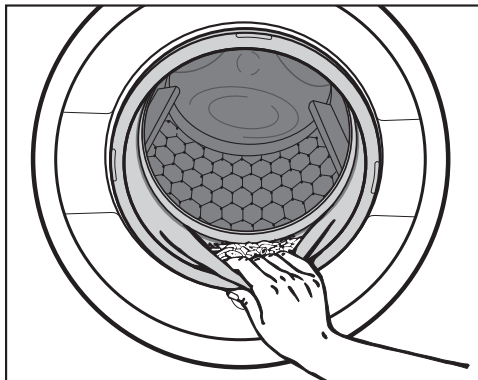


- Pull open the door.
- Remove the laundry.

### Energy savings


- Ten minutes after the beginning of the anti-crease phase, the indicators dim and the *Start/Stop* sensor starts flashing.
- Fifteen minutes after completion of the anti-crease phase, the washing machine is completely switched off and the door lock lifted.

Items left in the drum could discolour other items in the next wash or become discoloured themselves. Remove all items from the drum.



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

**Tip:** Leave the door slightly open to allow the drum to dry.

- Turn the programme selector to the  position. This switches the washing machine off.



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

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

# Spinning

---

## Final spin speed

Programme	rpm
Cottons 	1400
Cottons	1400
Minimum iron	1200
Delicates	900
Woolens 	1200*
Shirts	900
QuickPowerWash	1400
Express 20	1200
Outerwear	900
Proofing	1200
Drain / Spin	1400
Separate rinse/Starch	1200

## Final spin speed in the programme

When a programme is selected, the sensor for the optimum spin speed for that programme will be brightly lit up in the control panel. For programmes marked with a \* in the chart, the optimum spin speed is not the maximum spin speed.


You can reduce the final spin speed.

However, you cannot select a final spin speed higher than that shown in the chart.

## 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.

## To omit the final spin (Rinse hold)

- Touch the  sensor (rinse hold).

The laundry is not spun after the final rinse and remains in the final 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.

## After the end of a programme

The sensor for the optimum spin speed lights up in the control panel. You can change the spin speed. The *Start/Stop* sensor lights up, flashing.

- Start the final spin:  
touch the flashing *Start/Stop* sensor **once**.

The final spin is carried out.

- End the programme:  
touch the flashing *Start/Stop* sensor **twice**.

The water will drain away.

## To omit rinse and 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 in.


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

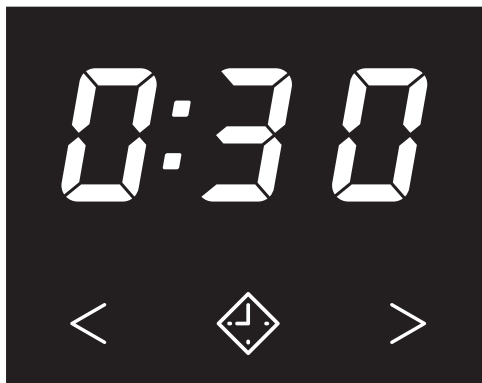
## Delay start

With Delay start you can choose when you want the programme to start. You can delay the start of the programme by 30 minutes up to a maximum of 24 hours, allowing you to make use of night-time economy electricity rates, for example.

### Select delay start

Delay start cannot be selected with *Drain/Spin* or *Proofing*.

- Select the programme required.
- Touch the  sensor.



The  sensor lights up brightly.

- Touch the < or > sensor repeatedly until the required delayed 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 one hour


### To begin delay start

- Touch the flashing *Start/Stop* sensor.

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

### To alter delay start


- Touch the *Start/Stop* sensor.

The delay start process stops and the  symbol lights up in the control panel.


- Touch the < or > sensor repeatedly until the required delayed start time appears in the time display.
- Touch the flashing *Start/Stop* sensor.

### To cancel a delay start that has already started

- Touch the *Start/Stop* sensor.



The delay start process stops and the  symbol lights up in the control panel.

- Touch the brightly lit  sensor.


The delay start period is deleted and the  sensor switches off. The programme duration appears in the time display.

- Touch the flashing *Start/Stop* sensor in order to start the wash programme.

## Programme chart


<b>Cottons</b> 		<b>60 °C/40 °C</b>	<b>Max. load 8.0 kg</b>
Use for	Normally soiled cotton garments.		
Note	<ul style="list-style-type: none"> <li>– These settings are the most efficient in terms of energy and water consumption for washing cottons.</li> <li>– At 60 °C, the actual wash temperature reached will be lower than 60 °C, although the wash performance is the same as with the Cottons 60 °C programme.</li> </ul>		
<b>Note for test institutes:</b>			
The test programme conforms to EN 60456 and the energy label to Directive 1061/2010.			
<b>Cottons</b>		<b>Cold to 90 °C</b>	<b>Max. load 8.0 kg</b>
Use for	Cotton, linen or mixed fibre fabric, e.g. table linen, towelling, underwear, T-shirts etc.		
Note	<p>The wash temperatures 60 °C/40 °C differentiate themselves from the programme <i>Cottons</i>  60 °C/40 °C by:</p> <ul style="list-style-type: none"> <li>– Shorter programme durations</li> <li>– Longer temperature holding times</li> <li>– Higher energy consumption</li> </ul> <p>Where particularly high levels of hygiene are required please select a temperature of 60 °C or higher.</p>		
<b>Minimum iron</b>		<b>Cold to 60 °C</b>	<b>Max. load 3.5 kg</b>
Use for	Synthetic and mixed fibre textiles as well as easy care cotton		
Note	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>
Use for	Delicate garments made from synthetic fibre, mixed fibre, rayon and viscose. Curtains, including net curtains, specified as machine-washable by the manufacturer.		
Notes	<ul style="list-style-type: none"> <li>– Dust in curtains usually makes a programme with pre-wash advisable.</li> <li>– Deselect the spin for items which crease easily.</li> </ul>		
<b>Woollens</b> 		<b>Cold to 40 °C</b>	<b>Max. load 2.0 kg</b>
Use for	Machine-washable or hand-washable wool or wool blend fabric. If the care label does not specify a temperature, wash using the cold setting.		
Note	Reduce the spin speed for items which crease easily.		
<b>Shirts</b>		<b>Cold to 60 °C</b>	<b>Max. load 2.0 kg</b>
Use for	Shirts and blouses made of cotton and mixed fibre		
Note	<ul style="list-style-type: none"> <li>– Pre-treat soiled cuffs and collars if necessary.</li> <li>– Wash silk shirts and blouses in the <i>Delicates</i> programme.</li> </ul>		
<b>QuickPowerWash</b>		<b>60 °C – 40 °C</b>	<b>Max. load 4.0 kg</b>
Use for	Lightly to moderately soiled garments which are also suitable for washing in the <i>Cottons</i> programme.		
Tip	A special saturation process and wash rhythm ensure that the laundry is cleaned particularly quickly and thoroughly.		
<b>Express 20</b>		<b>Cold to 40 °C</b>	<b>Max. load 3.5 kg</b>
Use for	Cotton garments that have hardly been worn or are only very lightly soiled		
Note	The <i>Short</i> option is activated automatically.		



## Programme chart

<b>Outerwear</b>		<b>Cold to 40 °C</b>	<b>Max. load 2.5 kg</b>
Use for	Performance outerwear (e.g. jackets and trousers) made from membrane fabric such as Gore-Tex®, SYMPATEX®, WINDSTOPPER® etc.		
Notes	<ul style="list-style-type: none"> <li>– Zip up or close jackets before washing.</li> <li>– Do not use fabric conditioner.</li> <li>– If wished, these garments can also be re-proofed using the <i>Proofing</i> programme. Proofing should not be done every time the garment is washed.</li> </ul>		
<b>Proofing</b>		<b>40 °C</b>	<b>Max. load 2.5 kg</b>
Use for	Treating microfibre fabric, skiwear and table linen made from mainly synthetic fibres to provide a water and dirt resistant finish.		
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 either in a tumble dryer or by ironing.</li> </ul>		
<b>Drain / Spin</b>			<b>–</b>
Notes	<ul style="list-style-type: none"> <li>– Drain only: Select  for the spin speed.</li> <li>– Make sure you select the appropriate spin speed.</li> </ul>		
<b>Separate rinse/Starch</b>			<b>Max. load 7.0 kg</b>
Use for	<ul style="list-style-type: none"> <li>– Rinsing handwashed items</li> <li>– Starching table cloths, serviettes and workwear</li> </ul>		
Note	<ul style="list-style-type: none"> <li>– Reduce the spin speed for items which crease easily.</li> <li>– The laundry should be washed but not treated with fabric conditioner.</li> <li>– Items will be rinsed very effectively using two rinse cycles by activating the extra <i>Water plus</i> option.</li> </ul>		

## Extra options

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You can use the extra options buttons to augment the wash programmes.

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

Short

Water +

Pre-wash

Soak

- Touch the sensor for the extra you want.

The relevant sensor will light up brightly.

Not all the extra options are suitable for use with every programme.

An extra that is not permitted for the wash programme is not lit dimly and cannot be activated by touch.

### Short

Use this option for light soiling with no visible staining.

The wash duration is reduced.

### Water plus

The water level in the wash and rinse stages is increased and a second rinse is carried out in the “*Separate rinse / Starch*” programme.

You can select other functions for the *Water plus* sensor. These are described in “Programmable functions”.

### Pre-wash

For laundry with large amounts of dirt, e.g. dust and sand.

### Soak


For heavily soiled and stained items with protein stains.

- A duration of between 30 minutes and 2 hours can be programmed in 30 minute increments for the soak process.
- The factory default setting is 30 minutes.

See “Programmable functions - Soak” for instructions on how to programme a different soak period.

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

These Extras cannot be selected with programmes which are **not** listed in the chart below.
























	Short	Water plus	Pre-wash	Soak
Cottons 	X	X	X	X
Cottons	X	X	X	X
Minimum iron	X	X	X	X
Delicates	X	X	X	X
Shirts	X	X	X	X
QuickPowerWash	-	X	-	-
Express 20	X <sup>1)</sup>	-	-	-
Outerwear	X	X	X	X
Separate rinse/Starch	-	X	-	-

**X** = can be selected




<sup>1)</sup> = can be deselected

- = cannot be selected

# Programme sequence

	Main wash		Rinses		Spinning
	Water level	Wash rhythm	Water level	Rinses	
Cottons 		(A)		2-5 <sup>2)3)</sup>	✓
Cottons		(A)		2-5 <sup>1)2)3)</sup>	✓
Minimum iron		(B)		2-4 <sup>2)3)</sup>	✓
Delicates		(C)		2-4 <sup>2)3)</sup>	✓
Woolens 		(E)		2	✓
Shirts		(C)		3-4 <sup>3)</sup>	✓
QuickPower wash		(A)		2	✓
Express 20		(A)		1	✓
Outerwear		(C)		3-4 <sup>3)</sup>	✓
Proofing	–	(B)		1	✓
Drain / Spin	–	–	–	–	✓
Separate rinse / Starch		(B)		0-1 <sup>5)</sup>	✓

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.

- 1) 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.
- 2) 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.
- 3) An additional rinse is carried out if:
  - Water plus has been selected and the options *02* or *03* have been activated in Programmable functions.
- 5) An additional rinse is carried out if: the *Water plus* option is selected.

# Programme sequence

---

## PowerWash 2.0

PowerWash 2.0, a washing technique developed by Miele, is activated in the following programmes with small and medium-sized loads:

- Cottons
- Minimum iron
- Shirts

### How it works



Conventional washing techniques wash with more water than the laundry can absorb. This total volume of water needs to be heated.

The PowerWash 2.0 washing technique only uses slightly more water than the laundry can absorb. The water which has not been absorbed by the laundry heats up the drum and the laundry and is sprayed into the laundry over and over again. This reduces the amount of energy used.

### Activation

The washing machine calculates the size of the load at the beginning of the wash programme. PowerWash 2.0 is activated if the following conditions are present:

- there is a small to medium-sized laundry load in the drum
- the temperature selected does not exceed 60 °C

- the final spin speed selected is not lower than 600 rpm
- with Cap dosing neither the  nor the  sensor controls are active.

With some options (e.g. Pre-wash, Water plus) PowerWash 2.0 is not activated.

### Special features

#### - Drenching phase

The washing machine will spin a few times at the beginning of the programme. During spinning, the water discharged is sprayed back into the laundry in order to achieve optimum moisture penetration.

The optimum water level is set at the end of the drenching phase. If necessary, the washing machine will pump water away or take in a little more fresh water.

#### - Noises during the heating phase

Unusual bubbling noises can occur while the laundry and the drum are being heated.

# Changing the programme sequence

---

## Changing a programme


After the successful start of a programme it is no longer possible to change the programme.

If you would like to change the programme, you have to cancel the programme.

## Cancelling a programme

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

- Touch and hold the *Start/Stop* sensor until the time display switches to 0:00.

The water will be pumped away. As soon as the  symbol in the control panel goes out, the programme has been cancelled.

- Open the door.

## Selecting a different programme after cancelling the programme

- Close the door.
- Check that there is still detergent in the dispenser drawer. Add more detergent if necessary.
- Turn the programme selector to the programme you want and start it by pressing the *Start/Stop* sensor.

## Removing laundry after cancelling the programme

If you want to remove the laundry when it is dripping wet:


- Open the door.
- Remove the laundry.

If you want to remove the laundry after it has been spun (damp):

- Open the door.
- Close the door.
- Turn the programme selector to *Drain/Spin*.

**Tip:** Select an appropriate spin speed.

## Interrupting a programme

- Turn the programme selector to the  position.

The washing machine switches off.


- To continue: turn the programme selector to the position of the wash programme that was started.

**Tip:** If *-E-* appears in the time display, the programme selector is in the incorrect position.

# Changing the programme sequence

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## Adding or removing laundry

You can add or remove laundry at the start of a wash programme as long as the  symbol is flashing in the control panel.

- Briefly touch the *Start/Stop* sensor.






The programme will stop and the door will unlock.

- Pull open the door.
- Add or remove items.
- Close the door.
- Touch the *Start/Stop* sensor.







The programme will continue.










# Garment care label symbols





Washing	
The figure quoted in the bucket is the maximum temperature the garment can be washed at. The number of bars under the symbol indicates the level of agitation permitted.	
	No bar under the symbol: = normal agitation
	One bar under the symbol: = reduced agitation
	Two bars under the symbol: = much reduced agitation
	Hand wash (if no temperature is specified, use the lowest temperature or cold)
	Do not wash




## Programme selection examples

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

Drying	
The number of dots indicates the drying temperature	
	Normal temperature
	Low temperature
	Do not tumble dry

Ironing	
The number of dots indicates the ironing temperature	
	Hot iron (max. sole plate temp. approx. 200 °C)
	Medium hot iron (max. sole plate temp. approx. 150 °C)
	Cool iron (max. sole plate temp. approx. 110 °C). Do not steam iron garments carrying this symbol as this could cause irreversible damage.
	Do not iron

Professional cleaning	
	Dry clean only. The letters indicate the type of cleaning agent required.
	
	Professional Wet Clean only
	Do not dry clean

Bleaching	
	Any oxidising bleaching agent can be used
	Only use an oxygen based bleach or a non-chlorine bleach
	Do not bleach

# Detergent

---

## The correct detergent

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

For users in Asia:

please use a low foaming detergent suitable for use in front-loading machines

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

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

## Water softeners

A water softener can be used to cut down on the use of detergents in areas with water hardness levels II and III. Dispense according to the amount specified on the packaging. First add detergent and then the water softener.

You can then use the recommended amount of detergent for water hardness level I.

## Water hardness levels

Hardness scale	Hardness level in mmol/l	German scale °d
I (soft)	0 – 1.5	0 – 8.4
II (medium)	1.5 – 2.5	8.4 – 14
III (hard)	above 2.5	above 14

## 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.

## Fabric conditioner and liquid starch

Fabric conditioner





makes garments soft to handle and helps prevent static cling when tumble drying.

Starch

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

## Miele recommended detergents

Miele detergents and care products have been specially designed for Miele washing machines. They are available to order via the internet at [www.miele.co.uk](http://www.miele.co.uk) or from Miele.

	Miele UltraWhite	Miele UltraColor	Miele Cap 	Miele Cap 	Miele Cap 
Cottons 	✓	✓	-	Ⓕ	Ⓗ
Cottons	✓	✓	-	Ⓕ	Ⓗ
Minimum iron	-	✓	-	Ⓕ	Ⓗ
Delicates	-	✓	Ⓐ, Ⓑ, Ⓒ	Ⓕ	-
Woolens 	-	-	Ⓓ, Ⓔ	-	-
Shirts	✓	✓	-	Ⓕ	Ⓗ
QuickPower wash	✓	✓	-	-	-
Express 20	-	✓	-	Ⓕ	-
Outerwear	-	-	Ⓒ	-	-
Proofing	-	-	-	Ⓖ	-
Separate rinse / Starch	-/-	-/-	-/-	Ⓕ/-	-/-

✓ Recommended

- Not recommended

Ⓐ Sport

Ⓑ Down

Ⓒ Outdoor

Ⓓ WoolCare

Ⓔ SilkCare

Ⓕ Fabric conditioner



Ⓖ Reproofing

Ⓗ Booster

# Detergent

## Recommended detergents in accordance with Directive (EU) Nr. 1015/2010

The recommendations apply to the temperature ranges given in the Programme chart.

	Universal	Coloureds	Delicates and woollens	Specialist
	detergent			
Cottons 	✓	✓	-	-
Cottons	✓	✓	-	-
Minimum iron	-	✓	-	-
Delicates	-	-	✓	-
Woollens 	-	-	✓	✓
Shirts	✓	✓	-	-
QuickPower wash	✓	✓	-	-
Express 20	-	✓ <sup>1)</sup>	-	-
Outerwear	-	-	✓	✓

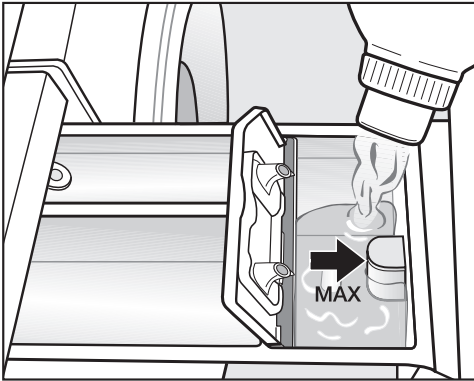
✓ Recommended

- Not recommended

<sup>1)</sup> Liquid detergent

<sup>2)</sup> Powder detergent

## Dispensing fabric conditioner and liquid starch at the end of the programme



- Add the fabric conditioner or liquid starch to the ☼ compartment or insert the appropriate capsule. **Do not exceed the maximum level mark.**

The agent will be automatically dispensed in the last rinse. At the end of the programme a small amount of water will remain in the ☼ compartment.

Starch can make the siphon tube sticky.  
If starching frequently, thoroughly clean the dispenser compartment, especially the siphon tube regularly.

### Adding fabric conditioner or liquid starch separately

Prepare the starch in accordance with the manufacturer's instructions on the packaging.

**Tip:** When adding fabric softener, activate the *Water plus* extra.

- Add fabric conditioner to the ☼ compartment or insert the appropriate capsule.

- Add liquid starch to the ☼ compartment and powder or viscous starch to the □ compartment.
- Select the *Separate rinse/Starch* programme.
- Change the spin speed if necessary.
- Activate the *Cap* □ sensor if using a capsule.
- Touch the *Start/Stop* sensor.

### 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 dye manufacturer's instructions carefully.


When using the machine to dye fabric it is essential to select the *Water +* option.


## Cleaning and care

### Cleaning the drum (Hygiene info)


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 machine. Run this programme at the latest when the  indicator lights up.

### Cleaning the external casing and the control 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.

- 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.

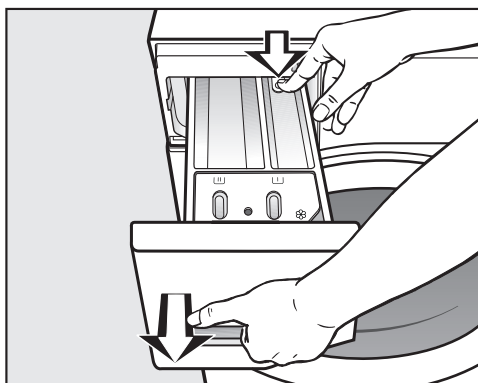
Solvent based cleaning agents, abrasive cleaners, glass cleaners or multi-purpose cleaning agents can cause damage to plastic surfaces and other parts.

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 mould and bacteria in the detergent dispenser drawer.

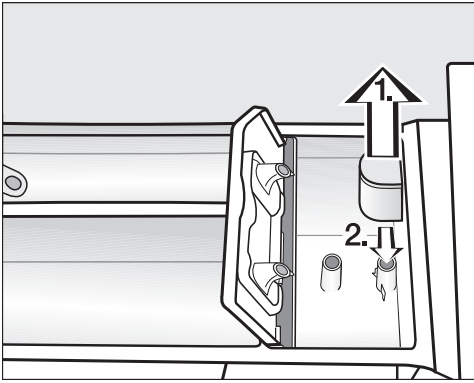
- For hygiene reasons, clean the entire drawer at regular intervals.



- 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 drawer with hot water.

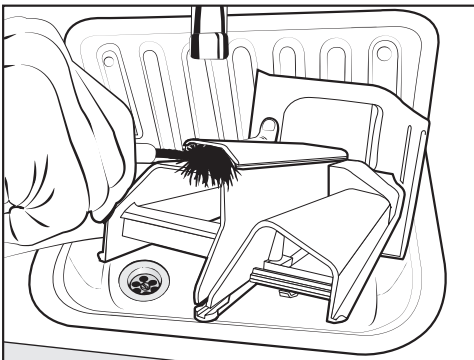
## Cleaning the siphon tube and the channel

Liquid starch can cause the siphon to become clogged. Make sure that you clean the siphon and siphon tube particularly thoroughly after using liquid starch a few times.



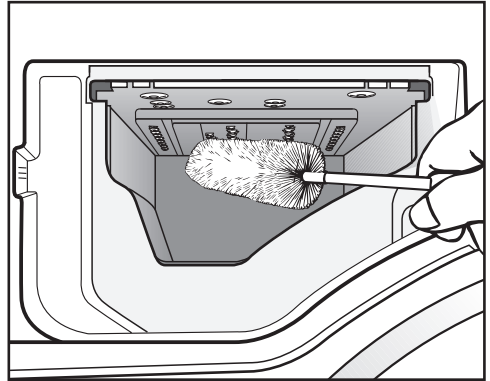
### ■ Clean the siphon.

1. Remove the siphon from the ☘ compartment and rinse under hot running water. Clean the siphon tube at the same time.
2. Replace the siphon.



### ■ Clean the fabric conditioner channel with a brush and hot 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 housing.
- Replace the detergent dispenser drawer.

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

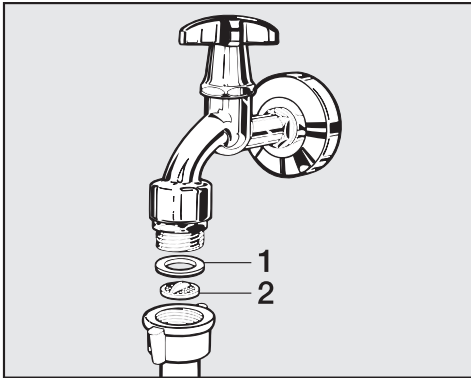
# Cleaning and care

## Cleaning the water inlet filter

The washing machine has two filters to protect the inlet valve. You should inspect the filters approximately every 6 months, or more often if there are frequent interruptions to the external water supply.

### Cleaning the filter in the inlet hose

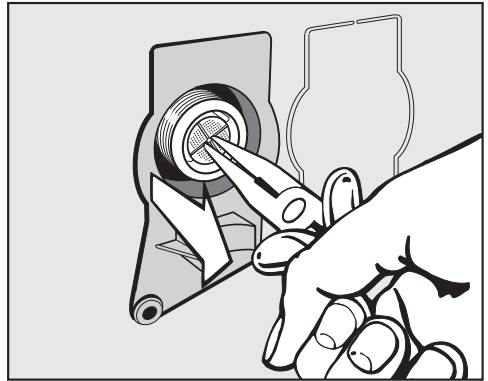
- First turn off the stopcock.
- Unscrew the inlet hose from the stopcock.



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

### Cleaning the filter in the inlet valve

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



- Use pointed nose pliers to withdraw the plastic filter by the bar.
- Clean the filter.
- Reassemble in reverse order.

The two filters must be put back in place after cleaning.

- Screw the threaded union securely back onto the stopcock.
- Open the stopcock.

Make sure there is no water leaking from the threaded union. Tighten the threaded union.



Many malfunctions and faults that can occur in daily operation can be easily remedied. Time and money will be saved because a service call will not be needed.




The following guide may help you to find the reason for a malfunction or a fault, and to correct it.

## The programme does not start

Problem	Cause and remedy
<b>The control panel remains dark.</b>	<p>There is no power to the machine.</p> <ul style="list-style-type: none"><li>■ Check whether the mains plug is plugged in and switched on.</li><li>■ Check whether the fuse or circuit breaker has tripped.</li></ul> <p>The washing machine has switched off automatically to save energy.</p> <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>	<p>The door is not closed properly. The door lock could not engage.</p> <ul style="list-style-type: none"><li>■ Close the door again.</li><li>■ Start the programme again.</li></ul> <p>If the fault message appears again, contact the Service Department.</p>

## Problem solving guide



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

Problem	Cause and remedy
<p>The fault indicator light  lights up, <i>F</i> and <i>10</i> appear alternately in the time display and the buzzer sounds.</p>	<p>The water inlet is blocked or restricted.</p> <ul style="list-style-type: none"> <li>■ Check whether the stopcock is opened properly.</li> <li>■ Check whether the inlet hose is kinked.</li> <li>■ Check whether the water pressure is too low.</li> </ul>
	<p>The filter in the water inlet is blocked.</p> <ul style="list-style-type: none"> <li>■ Clean the filter.</li> </ul>
<p>The fault indicator light  lights up, <i>F</i> and <i>11</i> appear alternately in the time display and the buzzer sounds.</p>	<p>The water outlet is blocked or restricted. The drain hose has been fixed too high.</p> <ul style="list-style-type: none"> <li>■ Clean the drain filter and the drain pump.</li> <li>■ The maximum delivery head is 1 m.</li> </ul>
<p>The fault indicator light  lights up, <i>F</i> and <i>138</i> appear alternately in the time display and the buzzer sounds.</p>	<p>The water protection system has reacted.</p> <ul style="list-style-type: none"> <li>■ Close the stopcock.</li> <li>■ Call the Service Department.</li> </ul>
<p><i>F</i> and <i>XXX</i> alternately appear in the time display and the buzzer sounds.</p>	<p>There is a fault.</p> <ul style="list-style-type: none"> <li>■ Disconnect the washing machine from the mains electricity supply, either by switching off at the wall socket and withdrawing the plug, or by disconnecting the relevant fuse on the mains fuse board.</li> <li>■ Wait <b>at least 2 minutes</b>, before reconnecting the washing machine to the mains 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 the Service Department.</p>

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


Message	Cause and remedy
-[]- 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>
	The programme has been interrupted. <ul style="list-style-type: none"> <li>■ Open the door.</li> <li>■ Close the door.</li> </ul>

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




Problem	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 recommended dosage amounts on the packaging.</li> </ul>
The indicator light  lights up.	A programme using a temperature above 60 °C has not been run for a long time. <ul style="list-style-type: none"> <li>■ In order to prevent bacteria and unpleasant odours building up in the machine, run the <i>Cottons 90 °C</i> programme using Miele machine cleaner or powder detergent.</li> </ul>

# Problem solving guide

## General problems with the washing machine

Problem	Cause and remedy
<b>The washing machine smells.</b>	The  indicator light was ignored. A wash programme using a temperature above 60 °C has not been run for a long time. <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 machine cleaner or a universal powder detergent.</li></ul>
	The door and the detergent dispenser drawer were left open after washing. <ul style="list-style-type: none"><li>■ Leave the door and the detergent dispenser drawer slightly open to allow them to dry.</li></ul>
<b>The machine shakes during the spin cycle.</b>	The machine feet are not level. <ul style="list-style-type: none"><li>■ Level the machine and adjust the feet correctly.</li></ul>
<b>The laundry has not been spun properly and is still wet.</b>	The machine detected an imbalance during the final spin cycle and reduced the spin speed automatically. <ul style="list-style-type: none"><li>■ Include both large and small items in the load as this will give better distribution during spinning.</li></ul>
<b>Strange pump noises can be heard.</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>■ It may be useful to select the <i>Water plus</i> option.</li></ul>
	Powder detergent used in conjunction with water softeners tends to become sticky. <ul style="list-style-type: none"><li>■ In future, add washing powder into the dispenser drawer first, and then add the water softener.</li></ul>


## General problems with the washing machine

Problem	Cause and remedy
<b>Fabric conditioner is not completely dispensed or too much water remains in the  compartment.</b>	<p>The siphon tube is not correctly positioned or is clogged.</p> <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>	<p>The small pipe in the detergent dispenser drawer onto which the capsule is placed is blocked.</p> <ul style="list-style-type: none"> <li>■ Clean the small pipe.</li> </ul> <p>This is not a fault. For technical reasons a small amount of water will remain in the capsule.</p>
<b>There is water next to the capsule in the fabric conditioner compartment.</b>	<p>The <i>Cap</i>  sensor was not activated or an empty capsule was not removed at the end of the last programme.</p> <ul style="list-style-type: none"> <li>■ Make sure that you remember to activate the <i>Cap</i>  sensor the next time you insert a capsule.</li> <li>■ Remove and then dispose of the empty capsule at the end of each programme.</li> </ul> <p>The small pipe in the detergent dispenser drawer onto which the capsule is placed is blocked.</p> <ul style="list-style-type: none"> <li>■ Clean the small pipe.</li> </ul>




## Problem solving guide

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### An unsatisfactory wash result

Problem	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 a general purpose powder detergent containing a bleaching agent.</li><li>■ Use the appropriate capsule or add stain removers to the  compartment.</li><li>■ Never put stain removers and liquid detergent together in the dispenser drawer.</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.</li><li>■ Before washing the next load run a Cottons 60°C 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 contains no zeolites. Liquid detergents usually contain no zeolites.</li><li>■ Use the <i>Dark garments / Denim</i> programme for dark coloured laundry.</li></ul>

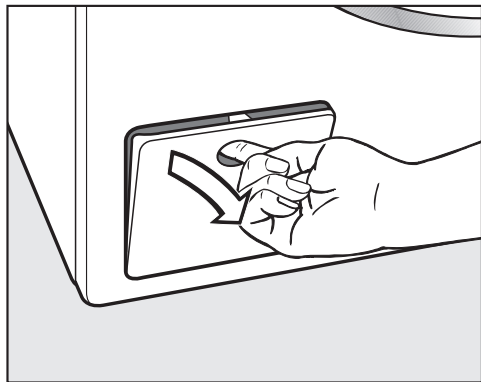
## The door will not open

Problem	Cause and remedy
<p><b>The door cannot be pulled open during a programme.</b></p>	<p>The door is locked during a programme.</p> <ul style="list-style-type: none"> <li>■ Touch the <i>Start/Stop</i> sensor to cancel the programme.</li> </ul> <p>The programme is cancelled, the door will unlock and you will be able to pull it open.</p> <hr/> <p>There is still water in the drum and the machine is unable to drain.</p> <ul style="list-style-type: none"> <li>■ Clean the drain filters and the drain pump as described in “Opening the door in the event of a blocked drain outlet and/or power failure”.</li> </ul>
<p><b>After the programme is cancelled, flashing bars ......... appear in the time display.</b></p>	<p>For safety reasons the drum 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>
<p><b>F and 35 alternately appear in the time display.</b></p>	<p>The door lock has jammed.</p> <ul style="list-style-type: none"> <li>■ Call the Service Department.</li> </ul>

## Problem solving guide

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


- Switch off the washing machine.



- Open the drain pump access panel.

### Blocked drain outlet

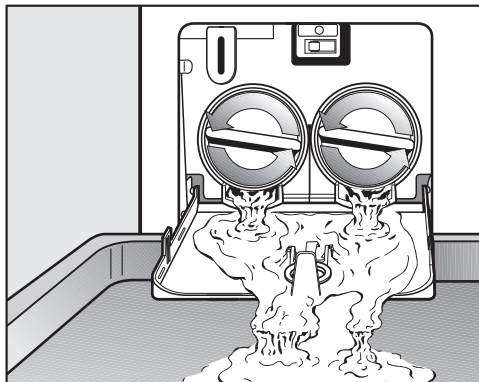
If the drain outlet is blocked, there may be a large quantity of water left behind in the washing machine.

 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.

### Draining the washing machine

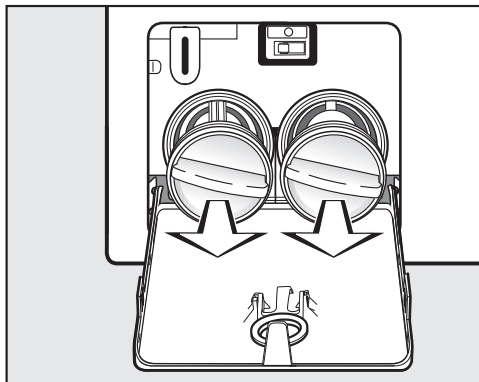
Remove the drain filter, though not completely.

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



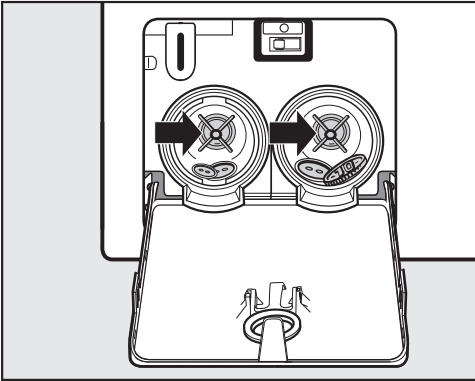
- Slowly unscrew the drain filters to let the water out.
- Tighten the drain filters back up again if you need to interrupt the flow of water.

Once the flow of water ceases:

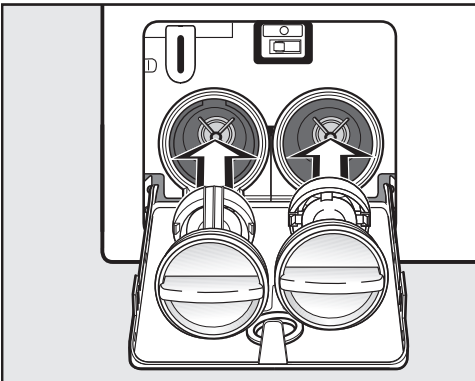


- Remove the drain filters completely.





- Clean the drain filters thoroughly.
- Remove any foreign objects (e.g. buttons, coins, etc.) and clean the interior. Turn the impellers by hand to check that they rotate freely.



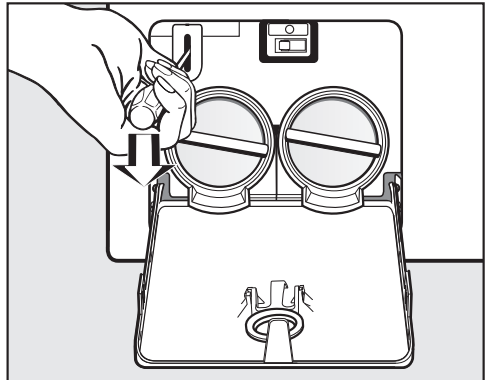
- Replace the drain filters correctly (on the right and left) and tighten them securely.
- Close the drain pump access panel.

**⚠ Risk of water damage.**  
Make sure the drain filters are securely tightened. Otherwise there is a risk of water leakage during use. Replace the drain filters correctly and tighten them securely.

### Open the door

**⚠ Danger of injury due to rotating drum!**  
Reaching into a moving drum is extremely dangerous.

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



- Use a screwdriver to unlock the door.
- Pull open the door.

# Service

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## Contact in case of malfunction

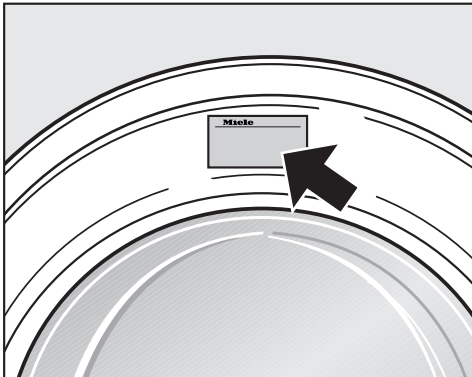
In the event of any faults which you cannot remedy yourself, please contact your Miele Dealer or Miele Service.

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

Please note that telephone calls may be monitored and recorded for training purposes and that a call-out charge will be applied to service visits where the problem could have been resolved as described in 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 your Miele Dealer, the Miele Spare Parts Department or via the internet at [www.miele.co.uk](http://www.miele.co.uk).

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

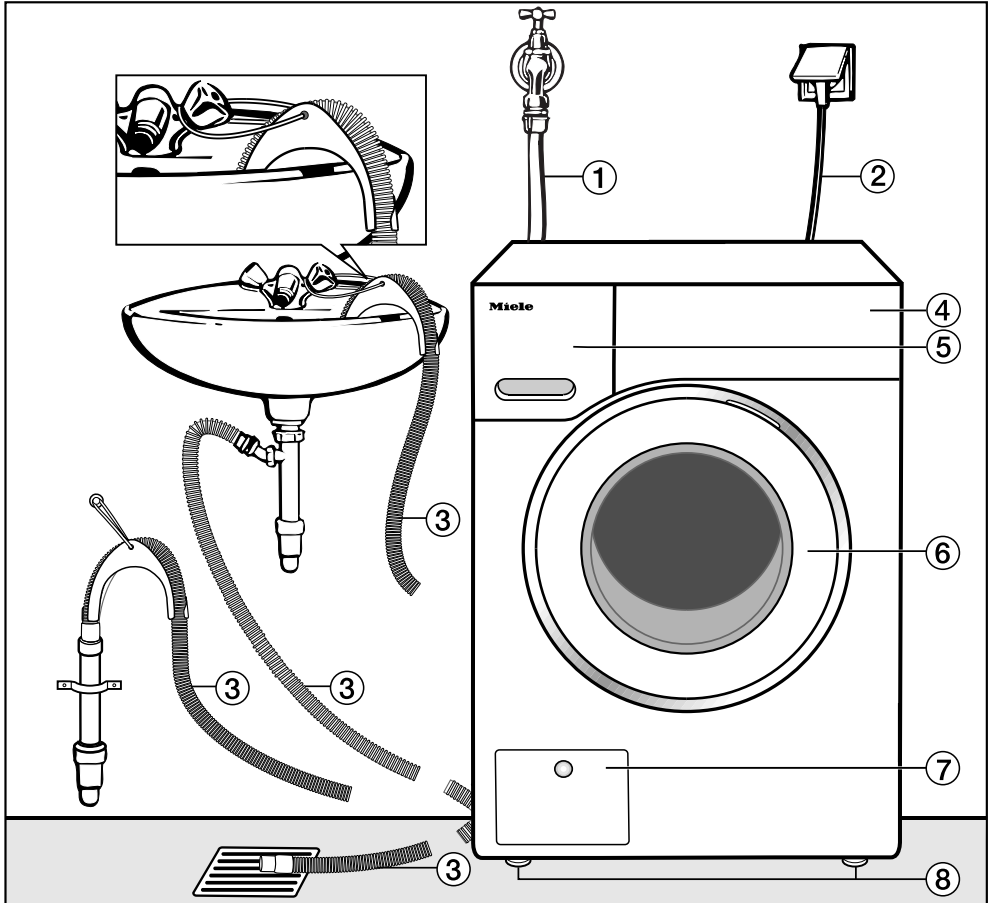
## Warranty

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

In the UK, your appliance warranty is valid for 2 years from the date of purchase. However, you must activate your cover by calling 0330 160 6640 or registering online at [www.miele.co.uk](http://www.miele.co.uk).

# Installation and connection

## Front view

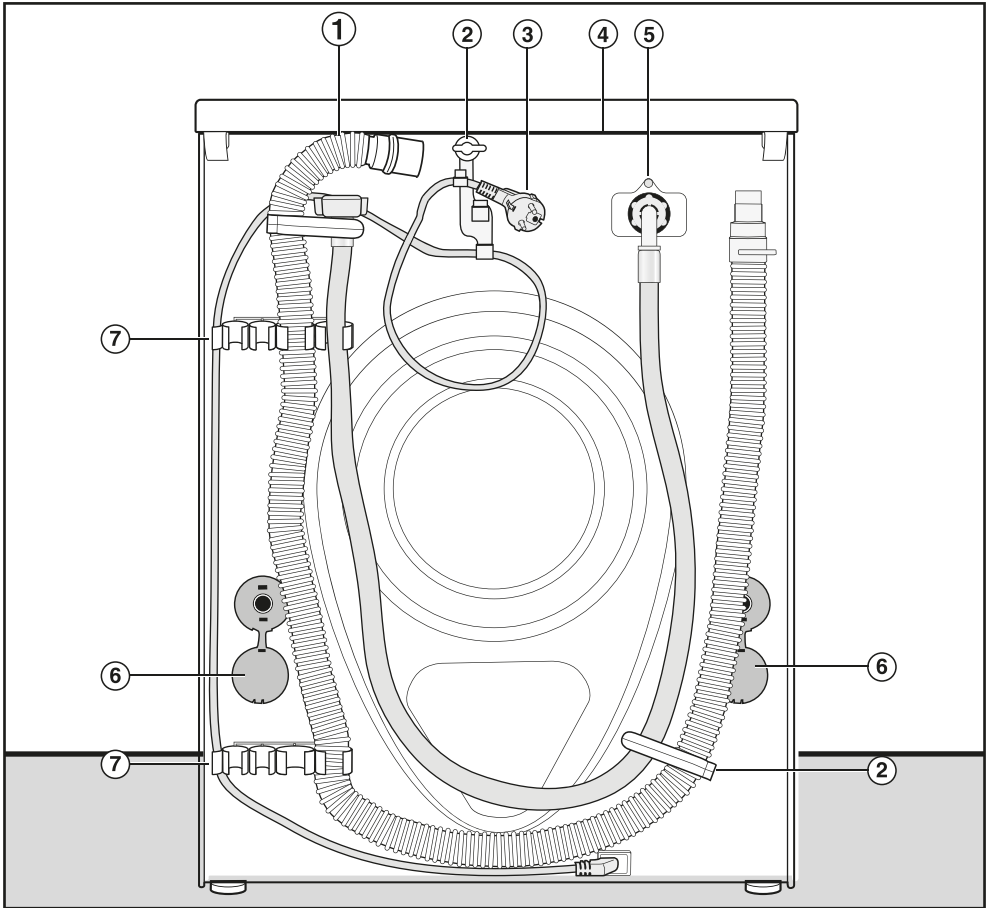


- ① Water inlet hose (pressure tested to 7000 kPa)
- ② Mains connection cable
- ③ Flexible drain hose (with detachable swivel elbow)
- ④ Control panel

- ⑤ Detergent dispenser drawer
- ⑥ Door
- ⑦ Access to filters, pumps and emergency release
- ⑧ Four height-adjustable feet

# Installation and connection

## Rear view



- ① Drain hose
- ② Transport clips for inlet and drain hoses and mains connection cable
- ③ Mains connection cable
- ④ Protruding lid for holding when moving the machine
- ⑤ Water inlet hose (pressure tested 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 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.

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

⚠ Injury can occur if the washing machine has not been adequately secured.

During installation, the washing machine must be secured on a plinth to be made available on site (concrete or brick), in order to ensure it cannot fall or slip.

Secure the washing machine using a clamp/fastening bracket (MTS floor mounting kit – available from your Miele dealer or Miele spare parts department).

## Transporting the washing machine to its installation site

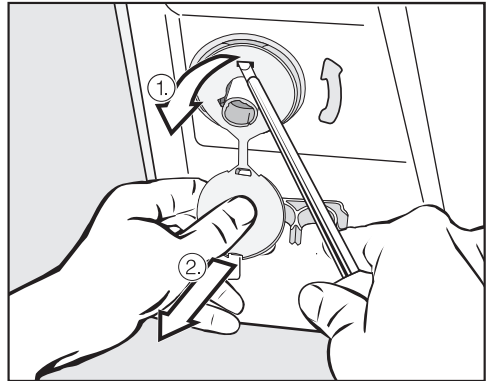
⚠ Danger of injury due to unsecured lid.

Make sure the fixings at the back of the lid are secure. Otherwise there is a danger of the lid being pulled off when carrying the machine.

Before carrying the machine check that the lid is secure where it protrudes at the back of the machine.

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

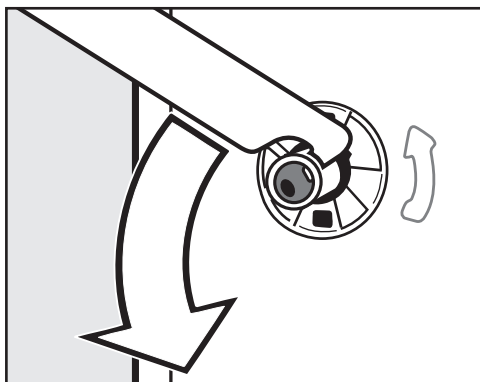
## Removing the transit bars



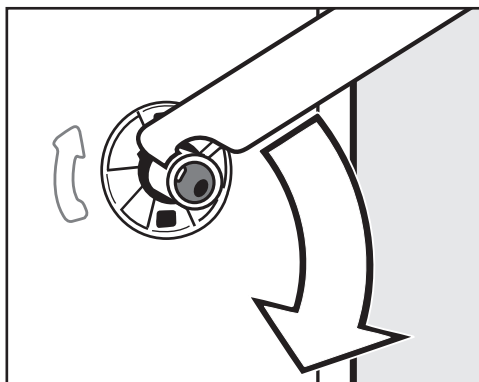
- Remove the left and right covers.

1. Pull off the transit bar covers and
2. then use a screwdriver to release the catches at the top and bottom.

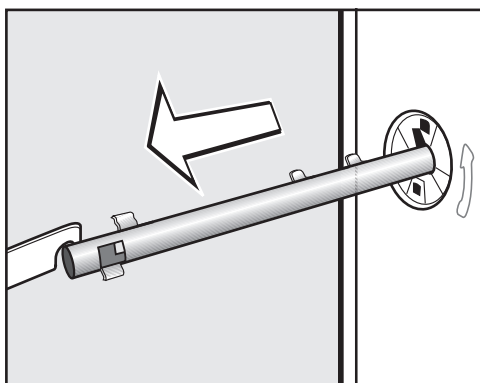
## Installation and connection



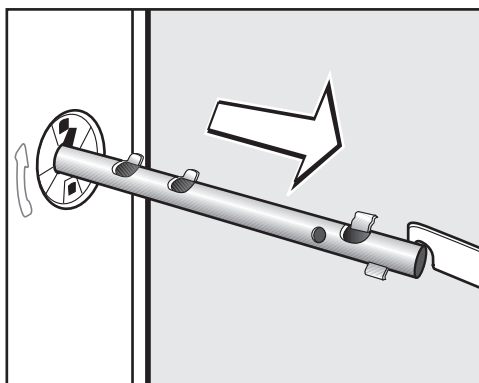
- Using the spanner supplied, turn the left-hand transit bar 90°, then



- Turn the right-hand transit bar 90°, then




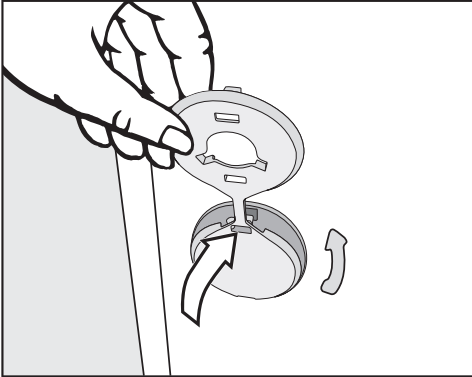
- withdraw the transit bar.



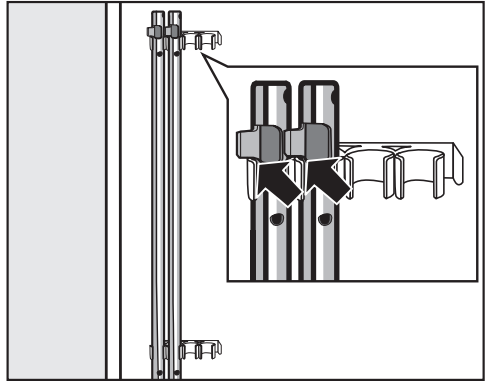
- withdraw the transit bar.

## Installation and connection


 Risk of injury from sharp edges. There is a risk of injury from reaching into holes that are not covered. Cover the holes for the transit bars after they have been removed.



- Fit the stoppers onto the two holes.



- 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).

### Re-fitting the transit bars

Re-fitting is carried out by reversing the procedure.

# Installation and connection

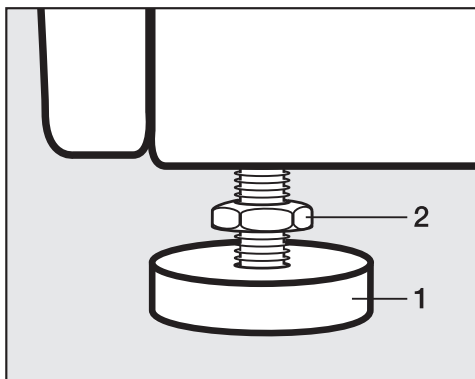
## Levelling the machine

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

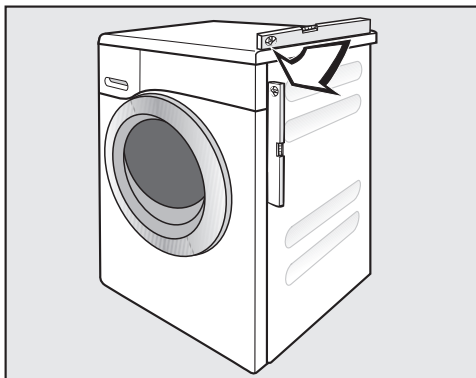
Incorrect installation may increase electricity and water consumption and may cause the machine to move about.

## Screwing out and adjusting the feet

The four adjustable screw feet are used for levelling the washing machine. The machine is supplied with all four feet are screwed in.



- 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 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.



## Installing under a continuous work-top

 Risk of electric shock due to exposed cables

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

Building under kits\* must only be installed/dismantled by a suitably qualified fitter in accordance with the instructions supplied.

- A special **building under kit\*** is required. The cover plate supplied with the building under kit is used to replace the machine lid. It is necessary to fit the coverplate for electrical safety reasons.
- Connections for electricity, water and drainage should be installed in such a way that they remain accessible when the machine is in its final position.

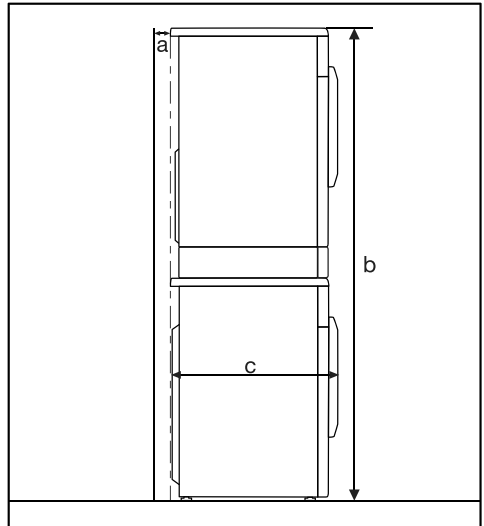
Fitting instructions are supplied with the building-under kit.

## Washer-dryer stack

The washing machine can be combined with a Miele tumble dryer in a washer-dryer stack. The appropriate “WTV” stacking kit\* to match your dryer is required.

All parts marked\* are available from your Dealer or Miele.

### Please note:



**a** = at least 2 cm

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

**c** = 64 cm

# Installation and connection

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## The water protection system

The Miele water protection system protects all parts of the washing machine 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 pressure of at least 7,000 kPa.

## Electronic unit and washing machine housing

- Sump  
Any leaking water is collected in a sump in the base of the machine. A float switches off the water inlet valves, preventing any more water from flowing into the machine and water in the suds container is pumped away.
- Overflow protection  
This prevents the washing machine taking in too much water. If the water level exceeds a certain level, the drain pump switches in and pumps the excess water away.

### 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

The washing machine should be connected to a mains water supply in accordance with current local and national safety regulations. The German authorities do not require it to have a non-return valve as the washing machine has been designed to comply with DIN regulations.

The flow pressure must amount to a minimum of 100 kPa (1 bar) and must not exceed an overpressure of 1000 kPa (10 bar). If it is higher than 1000 kPa (10 bar), a pressure reduction valve must be installed.

Connection to the mains water supply should incorporate a stopcock with a  $\frac{3}{4}$ " threaded union. If this is not available, only a qualified installer may connect the washing machine to the mains water supply.

The connection point is subject to mains water pressure.

Turn on the stopcock slowly and check for leaks. Correct the position of the washer and the threaded union if necessary.

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

The washing machine must not be connected to a hot water supply.

## Maintenance

Only use a genuine Miele hose that has been pressure tested to withstand at least 7,000 kPa should you ever need a replacement.



Damage caused by dirty water.

A filter is located in the open end of the inlet hose and another in the intake point to protect the inlet valve in the washing machine.

These filters must not be removed.

## Hose extension

Longer hoses 2.5 or 4.0 m in length are available from your Miele Dealer or Miele as optional extras.

# Installation and connection

## Water drainage

The suds are drained through a drain pump with a 1 m 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. Accessories are available from Miele or from your Miele dealer.

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. Accessories are available from Miele or from your Miele dealer.

### Drainage options:

#### 1. Directed into a sink or basin:

Please note:

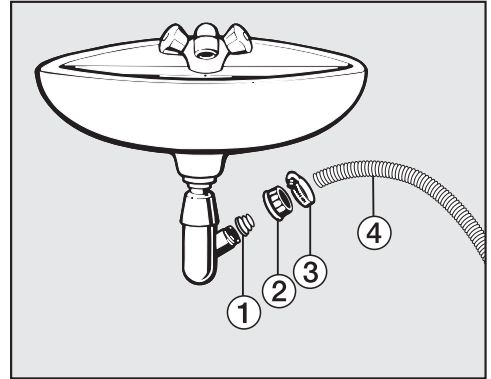
- Hook the hose over the edge and secure it.
- If the water is pumped into a washbasin, make sure that it can drain away freely. Otherwise there is a risk of water overflowing or of some of the drained water being sucked back into the machine.

#### 2. Connected securely to a plastic drain pipe with a rubber nipple (there is no need to use a siphon).

#### 3. Connected securely to a floor drain (gully).

#### 4. Connected securely to a washbasin with plastic nipple.

Please note:



#### ① Adapter

#### ② Spigot nut

#### ③ Hose clip

#### ④ End of the hose


■ Fit adapter ① to the sink drain outlet using nut ②.

■ Attach the end of hose ④ to adapter ①.

■ Use a screwdriver to tighten hose clip ③ up close to the nut.

## Electrical connection

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

 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.



The socket must be easily accessible after the machine has been installed.

The electrical system must comply with local and national safety regulations (BS 7671 in the UK).

If the connection cable is damaged, it must only be replaced with a specific connection cable of the same type (available from Miele). For safety reasons, such replacement may only be carried out by a qualified technician or Miele Service.

The data plate indicates the nominal power consumption and the appropriate fuse rating. Compare the specifications on the data plate with those of the mains electricity supply and make sure that they match.

# Consumption data

		Load	Energy	Water	Duration	Residual moisture
		kg	kWh	Litres	h:min	%
Cottons  *	60 °C	8,0	0,85	51	2:59	53
	60 °C	4,0	0,65	42	2:59	53
	40 °C	4,0	0,45	42	2:59	53
Cottons	90 °C	8,0	2,40	54	2:29	53
	60 °C	8,0	1,50	54	2:29	53
	60 °C	4,0	1,10	52	2:19	53
	40 °C	8,0	1,30	64	2:39	53
	20 °C	8,0	0,55	64	2:39	53
Minimum iron	30 °C	3,5	0,45	60	1:59	30
Delicates	30 °C	2,0	0,20	35	1:09	–
Woolens 	30 °C	2,0	0,23	35	0:38	–
QuickPowerWash	40 °C	4,0	0,64	36	0:59	–
Express 20 <sup>1)</sup>	40 °C	3,5	0,34	30	0:20	–
Shirts	60 °C	2,0	0,60	40	1:31	–

1) Short extra option activated

Consumption data can vary from the nominal values given 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.

## Note for test institutes

\*Test programme in accordance with EN 60456 and energy label with Directive 1061/2010

With the *PowerWash 2.0* washing technique, during the heating phase, the temperature measured by the sensor in the suds container is higher than the actual temperature of the laundry.

The temperature measured there **does not** reflect the temperature of the laundry.

## Technical data

Height	850 mm
Width	596 mm
Depth	636 mm
Depth with door open	1.054 mm
Height for building under	820 (+8/-2) mm
Width for building under	600 mm
Depth for building under	600 mm
Weight	Approx. 100 kg
Capacity	8 kg dry laundry
Voltage	See data plate
Connected load	See data plate
Fuse rating	See data plate
Consumption data	See "Consumption data"
Minimum flow pressure	100 kPa
Maximum flow pressure	1000 kPa
Inlet hose length	1.60 m
Drain hose length	1.50 m
Mains connection cable length	2.00 m
Delivery head max.	1.00 m
Maximum drainage length	5.00 m
LEDs	Class 1
Test certificates awarded	See data plate

# Technical data

## Data sheet household washing machines

In acc. with delegated regulation (EU) No. 1061/2010

<b>MIELE</b>	
<b>Model name/identifier</b>	WDD 320 SpeedCare 1400
Rated capacity <sup>1</sup>	8,0 kg
Energy efficiency class	
A+++ (most efficient) to D (least efficient)	A+++
Annual energy consumption (AE <sub>c</sub> ) <sup>2</sup>	156 kWh/year
Energy consumption of the standard "60°C cotton programme" at full load	0,84 kWh
Energy consumption of the standard "60°C cotton programme" at partial load	0,83 kWh
Energy consumption of the standard "40°C cotton programme" at partial load	0,34 kWh
Weighted power consumption in off-mode (P <sub>o</sub> )	0,30 W
Weighted power consumption in the left-on mode (P <sub>l</sub> )	0,30 W
Weighted annual water consumption (AW <sub>c</sub> ) <sup>3</sup>	10.120 Litres/year
Spin-drying efficiency class	
A (most efficient) to G (least efficient)	B
Maximum spin speed <sup>4</sup>	1.400 rpm
Remaining moisture content <sup>4</sup>	53 %
Standard programme to which the information in the label and the fiche relates <sup>5</sup>	Cottons 60/40 with arrow
Programme time of the standard programme	
60°C cotton programme (full load)	179 min
60°C cotton programme (partial load)	179 min
40°C cotton programme (partial load)	179 min
Duration of the 'left-on' mode (T <sub>l</sub> ) <sup>6</sup>	15 min
Airborne acoustical noise emissions	
Washing phase <sup>7</sup>	50 dB(A) re 1 pW
Spinning phase <sup>7</sup>	74 dB(A) re 1 pW
Built-in	-
This product does not release silver ions during the washing cycle.	

- Yes, standard feature

<sup>1</sup> In kg of cotton for the standard "60 °C cotton programme" at full load or the "40 °C cotton programme" at full load, whichever is the lower.



- <sup>2</sup> Based on 220 standard washing cycles for cotton programmes at 60 °C and 40 °C at full and partial load, and the consumption of the low-power modes. Actual energy consumption will depend on how the appliance is used.
- <sup>3</sup> Based on 220 standard washing cycles for cotton programmes at 60 °C and 40 °C at full and partial load. Actual water consumption will depend on how the appliance is used.
- <sup>4</sup> Attained for the standard “60 °C cotton programme” at full load or the standard “40 °C cotton programme” at partial load, whichever is the lower, and remaining moisture content attained for the standard “60 °C cotton programme” at full load or the standard “40 °C cotton programme” at partial load, whichever is the greater.
- <sup>5</sup> These programmes are suitable to clean normally soiled cotton laundry and are the most efficient programmes in terms of combined energy and water consumption.
- <sup>6</sup> If the household washing machine is equipped with a power management system.
- <sup>7</sup> For the standard “60 °C cotton programme” at full load.

# 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.

The programming is carried out in eight steps (1, 2, 3 ... 8) using the sensor controls.

## Accessing the programming level

### Pre-requisites:

- 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/Stop* sensor and leave your finger on it whilst carrying out steps 2-3.
- 2 Close the washing machine door.

Wait until the *Start/Stop* sensor lights up constantly ...

- 3 ... and then take your finger off the *Start/Stop* sensor.

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

## Choosing and selecting a programmable function

The number of the programmable function will appear in the time 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>P13</i>	Keypad tone
<i>P14</i>	Lock code
<i>P22</i>	Control panel standby status
<i>P24</i>	Memory
<i>P26</i>	Additional pre-wash time - Cottons
<i>P27</i>	Soak duration
<i>P28</i>	Gentle action
<i>P29</i>	Reduced temperature
<i>P30</i>	Water plus
<i>P31</i>	Water plus level
<i>P32</i>	Maximum rinse level
<i>P33</i>	Suds cooling
<i>P34</i>	Anti-crease
<i>P52</i>	Backlight brightness

- 5 Confirm the selected programmable function by pressing the *Start/Stop* sensor.

## 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 - -07
P13	X	O				
P14	O	X				
P22	X	O				
P24	O	X				
P26	O	X	X	X		
P27		O	X	X	X	
P28	O	X				
P29	O	X				
P30		O	X	X		
P31		O	X	X	X	
P32	O	X				
P33	O	X				
P34	X	O				
P62		X	X	O	X	X


X = Can be selected

O = Factory setting

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

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

## Exit programming level

- 8 Turn the programme selector to .

The option you have selected is now stored in memory. You can change it again at any time.

## P13 Keypad tone

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

### Options

-00 = Keypad tone switched off

-01 = Keypad tone switched on  
**(factory default setting)**

# Programmable functions

## P14 Lock code

The lock 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 = Lock code switched off (**factory default setting**)

-01 = Lock code is switched on

### Using the washing machine with a lock 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.

- Also enter the second and third numbers and confirm the numbers with the *Start/Stop* sensor.

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

## P22 Control panel switch-off status

To save energy the time display and sensors will go out after 10 minutes, and only the *Start/Stop* 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 (**factory default setting**)

The time display and sensors will switch off after 10 minutes if

- no further selection is made after switching the machine on
- 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 the 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 this programme is chosen again, these saved settings will appear in the display.

### Options

- 00 = Memory is switched off (**factory default setting**)
- 01 = Memory is switched on

## 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 (**factory default setting**)
- 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

## P27 Soak duration

You can set a duration for the soak process of between 30 minutes and two hours.

You can select the duration in 30 minute increments. When the *Soak Extra* option is selected the laundry will be soaked for the duration selected.

### Options

- 01 = **30 minutes** soak duration (**factory default setting**)
- 02 = **1 hour** soak duration
- 03 = **1 hour 30 minutes** soak duration
- 04 = **2 hours** soak duration

## P28 Gentle action

Activating gentle action reduces the drum action and is suitable for washing lightly soiled items more gently.

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

### Options

- 00 = Gentle action is switched off (**factory default setting**)
- 01 = Gentle action rhythm is switched on

## Programmable functions

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### P29 Reduce temperature

The boiling point for water is lower at high altitudes. In order to avoid water boiling, Miele recommend activating the reduce temperature setting at altitudes of more than 2000 m above sea level. The maximum temperature is reduced to 80 °C even when a higher temperature is selected.

#### Options

- 00 = The reduce temperature setting is switched off (**factory default setting**)
- 01 = The reduce temperature setting is turned on

### P30 Water plus

You can determine the amount of water used if the *Water plus* extra is selected.

#### Options

- 01 = More water is used in the wash and rinse stages (**factory default setting**)
- 02 = An extra rinse is carried out
- 03 = The water level is increased in the wash and rinse stages and an additional rinse is carried out

### P31 Water plus level

There are three different water levels which can be selected by activating the *Water plus* extra.

#### Options

- 01 = No higher water level (**factory default setting**)
- 02 = Water level increase by 1 level when washing and rinsing
- 03 = Water level increase by 2 levels when washing and rinsing
- 04 = Water level increase by 3 levels when washing and rinsing

### P32 Maximum rinse level

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

This function is useful for allergy sufferers as it achieves an excellent rinse result. Water consumption will increase.

#### Options

- 00 = Maximum rinse level is switched off (**factory default setting**)
- 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 temperature of 70 °C or higher is selected for the Cottons programme.

Suds cooling should be activated:

- to prevent the danger of scalding if the drain hose is hooked over the edge of a sink or basin.
- where drainage pipes do not comply with DIN 1986.

### Options

- 00 = Suds cooling is switched off **(factory default setting)**
- 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.

The drum continues to turn at intervals for up to 30 minutes at the end of the programme. The door can be opened at any time.

### Options

- 00 = The anti-crease function is switched off
- 01 = The anti-crease function is switched on **(factory default setting)**

## P62 Backlight brightness dimmed

The brightness of the dimmed sensors in the control panel can be set to one of seven different levels.

The brightness changes as soon as you select a different setting.

### Options

- 01 = Darkest level
- ↓
- 07 = Lightest level
- 03 = **(Factory default setting)**

## Optional accessories

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

These and many other useful products can be ordered via the internet at [www.miele.co.uk](http://www.miele.co.uk) or from Miele (see end of this booklet for contact details).

### Detergent

#### UltraWhite

- Multi-purpose powder detergent
- For white and light-coloured laundry as well as heavily soiled cotton items
- Effective stain removal even at low temperatures


#### UltraColor

- Liquid detergent for coloured items
- For coloured and dark fabrics
- Protects bright colours from fading
- Effective stain removal even at low temperatures

#### Wool and delicates detergent

- Liquid detergent for delicates
- Particularly suitable for woollen and silk fabrics
- Cleans at temperatures as low as 20 °C, helps retain the shape of delicate items and protect colours

### Specialist detergents

Specialist detergents are available as capsules  in convenient single dose amounts or in a handy bottle.

#### Outerwear

- Liquid detergent for outerwear and performance clothing
- Cleans with care and is gentle on colours
- With lanolin to care for and condition membrane fabric

#### Sport


- Liquid detergent for sportswear and fleece garments
- Neutralises unpleasant odours
- Retains the shape of the items

#### Down


- Liquid detergent suitable for pillows, sleeping bags, and down-filled items
- Retains the elasticity of down and feather-filled items
- Retains the breathability of down-filled items
- Prevents down filling clumping together




## WoolCare

- Liquid detergent for woollens and delicates
- Includes a special wheat protein conditioning formula
- Helps prevent felting
- Gentle on colours
- Only available as capsules 

## SilkCare

- Liquid detergent for silks
- Contains a special silk protein conditioning formula
- Gentle on colours
- Only available as capsules 

## Fabric care

Fabric care is available as capsules  in convenient single dose amounts or in a handy bottle.

## Proofing agent


- For proofing microfibre fabrics, e.g. rain coats
- Retains the breathability of fabrics

## Fabric conditioner

- Fresh, natural fragrance
- Makes laundry soft to handle

## Additive

### Booster

- For removing stains
- For white and coloured laundry
- Available as capsules  in convenient single dose amounts

## Machine care

### Machine cleaner

- For cleaning the washing machine thoroughly and effectively
- Removes grease, bacteria, and associated unpleasant odours
- Use 1–3 times per year

### Descaling agent

- removes heavy limescale deposits
- Mild and gentle with natural citric acid

### Water softener tablets

- Reduces the amount of detergent needed for hard water
- Less detergent residue in fabrics
- Less chemicals in waste water due to reduced amount of detergent





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WDD 320 SpeedCare

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