

Operating instructions

Washing machine



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

Caring for the environment

Disposal of the packing material

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

Recycling the packaging reduces the use of raw materials in the manufacturing process and also reduces the amount of waste in landfill sites. Ensure that any plastic wrappings, bags etc. are disposed of safely and kept out of the reach of babies and young children. Danger of suffocation.

Disposing of your old appliance

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



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

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Warning and Safety instructions

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 designed for domestic use and for use in similar environments by guests in hotel or motel rooms, bed & breakfasts and other typical living quarters. This does not include common/shared facilities or commercial facilities within hotels, motels or bed & breakfasts.
- ▶ The washing machine is not suitable for outdoor use.
- ▶ It must only be used to wash garments which have been declared suitable for washing by the manufacturer indicated on the garment care label. Any other use is not permitted. Miele cannot be held liable for damage resulting from incorrect or improper use or operation.
- ▶ This washing machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning its use by a person responsible for their safety.

Safety with children

- ▶ Young children must not be allowed to use this appliance.
- ▶ Older children may only use the appliance when its operation has been clearly explained to them and they are able to use it safely, recognising the dangers of misuse.
- ▶ Cleaning work may only be carried out by older children under the supervision of an adult.
- ▶ Please supervise children in the vicinity of the washing machine and do not let them play with it.

Technical safety

- ▶ Please observe the instructions in "Installation and 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) matches 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

- ▶ The electrical safety of this washing machine can only be guaranteed when continuity is complete between it and an effective earthing system which complies with current local and national safety regulations. It is most important that this basic safety requirement is present and regularly tested and, where there is any doubt, the household wiring system should be inspected by a qualified electrician. Miele cannot be held liable for the consequences of an inadequate earthing system (e.g. electric shock).
- ▶ Do not connect the washing machine to the mains electricity supply by a multi-socket adapter, extension lead or similar. These do not guarantee the required safety of the machine (fire hazard due to the risk of overheating).
- ▶ Faulty components must only be replaced by genuine Miele spare parts. Miele can only guarantee the safety of the appliance when Miele replacement parts are used.
- ▶ The electrical socket must be easily accessible after installation so that the machine can be disconnected from the electricity supply if necessary.
- ▶ Unauthorised repairs could result in unforeseen dangers for the user, for which Miele cannot accept liability. Repairs should only be undertaken by a Miele authorised service technician, otherwise any subsequent damage will not be covered by the warranty.
- ▶ If the connection cable is faulty, it must only be replaced by a Miele approved service technician to protect the user from danger.

Warning and Safety instructions

- ▶ In the event of a fault or for cleaning purposes, the washing machine is only completely isolated from the electricity supply when:
 - it is switched off at the wall socket and the plug is withdrawn, or
 - it is switched off at the mains circuit breaker.
- ▶ The machine must only be connected to the on-site water supply using a new hose kit. Old hose kits must not be re-used. Check the condition of the hoses regularly so that you can replace them in good time and avoid the risk of any water damage.
- ▶ The water flow pressure must be at least 100 kPa and should not exceed 1000 kPa.
- ▶ This washing machine must not be installed and operated in mobile installations (e.g. on a ship).
- ▶ Do not make any alterations to the machine, unless authorised to do so by Miele.
- ▶ In areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the machine and its surroundings in a clean condition at all times. Any damage which may be caused by cockroaches or other vermin will not be covered by the machine warranty.

Warning and Safety instructions

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

▶ Flooding danger.

If hooking the drain hose into a 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 7 kg (dry weight). See the "Programme chart" for the maximum recommended loads for individual programmes.

Warning and Safety instructions

- ▶ If the correct amount of detergent is dispensed, the machine should not need to be descaled. If, however, you do wish to descale it, only use a proprietary natural citric acid based descaling agent. Miele recommends using Miele descaler for washing machines which is available to order online at shop.miele.com (depending on country) or from Miele. Strictly observe the instructions on the packaging.
- ▶ Textiles which have been pre-treated in solvent based cleaning agents must be thoroughly rinsed in clean water before being washed in the machine.
- ▶ Do not use solvent based cleaning agents, e.g. those containing benzene, in this machine, as this may result in damage to component parts and create toxic fumes. Such agents also pose a fire and explosion hazard.
- ▶ Do not use solvent based cleaning agents, e.g. those containing benzene, to clean the external surfaces of the machine. They can cause damage to plastic surfaces.
- ▶ Only use dyes specified by the manufacturer as being suitable for use in a domestic washing machine. Always observe the manufacturer's instructions carefully.
- ▶ Colour run and dye removers contain sulphur compounds which can cause damage such as corrosion. Do not use these products in this machine.
- ▶ If detergent comes into contact with the eyes, rinse them thoroughly with lukewarm water immediately. If swallowed, seek medical assistance immediately and retain the packaging or label for reference. Those with skin problems or sensitive skin should avoid their skin coming into contact with detergent.

Warning and Safety instructions

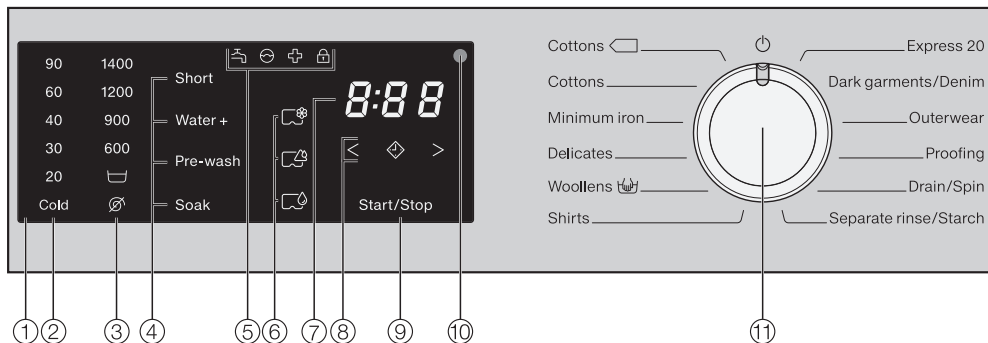
Accessories









- ▶ Only use genuine Miele spare parts and accessories with this appliance. If spare parts or accessories from other manufacturers are used, this will invalidate the warranty, and Miele cannot accept liability.
- ▶ A Miele tumble dryer can be stacked on top of a Miele washing machine using the appropriate stacking kit (available as an optional accessory). Please make sure you order the correct one for the Miele washing machine and Miele tumble dryer.

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

Operating the washing machine

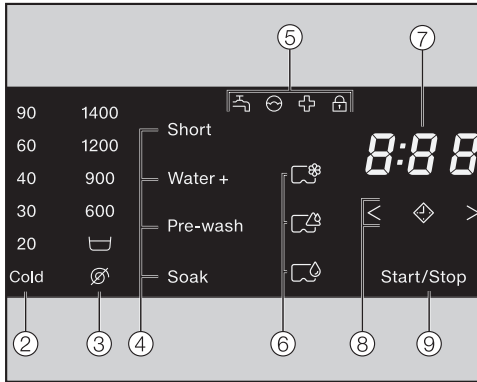
Control panel



- 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 **Start/Stop sensor**
for programme start/cancellation
- ⑩ **Optical interface**
for service technicians
- ⑪ **Programme selector**
for selecting programmes and for switching off. The washing machine is switched on by selecting a programme, and switched off by turning the programme selector to the  position.

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 Extras 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
- lights up if 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)
- 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.

When Delay start is being used, the programme duration will appear after the Delay start time has elapsed.

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

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

 Before using the machine for the first time, ensure that it is correctly installed and connected. See "Installation and connection". Also check that the filters are securely tightened to prevent the risk of water leaks during use.


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.

Removing the protective foil and stickers

- Please remove
 - the protective foil from the door.
 - any stickers from the front and the lid (Exception: warning labels must not be removed).

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

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


Before using for the first time

Running the first programme

- Turn on the tap.
- Turn the programme selector to *Cottons*.


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.

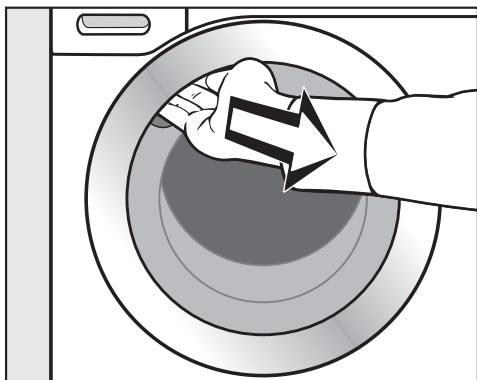
After 10 minutes, the indicators dim and the *Start/Stop* sensor lights up constantly.

After 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 be unlocked.



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

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

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


Useful tip: For safety reasons close the door. Otherwise there is a danger of objects being placed inadvertently in the drum. If these remain unnoticed and were washed in the next load, they could damage the laundry. An open door is also a danger to pets and children.

Energy savings

- 10 minutes after the beginning of the anti-crease phase, the indicators dim and the *Start/Stop* sensor starts flashing.
- 15 minutes after completion of the anti-crease phase, the washing machine switches off completely and the door lock is released.

Washing environmentally and economically

Energy and water consumption

- To get the most out of your machine, load the maximum dry load for the programme you are using. The energy and water consumption will be the lowest in relation to the size of the load.
- When smaller amounts of laundry are washed, the Auto load control system 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). 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 come on to remind you to carry out a hot wash.

Detergent consumption

- 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)

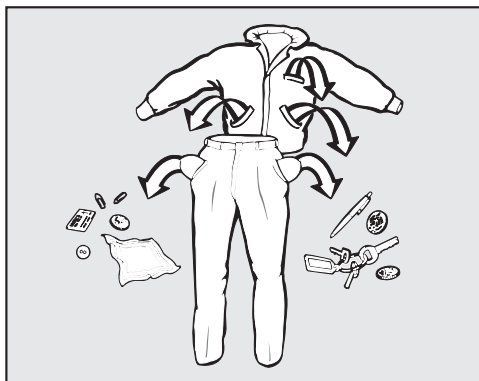
Select:

- a wash programme together with the *Short* Extra option for light to moderate soiling where there are no obvious marks.
- a wash programme without any Extra options for moderate 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. Preparing the laundry



- Empty all pockets.

⚠ Foreign objects (e.g. nails, coins, paper clips, etc.) can cause damage to garments and components in the machine.

Check the laundry before washing and remove any such foreign objects.

Sorting the laundry

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

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

Pre-treating stains

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

Useful tip: Stains can be pre-treated using some handy tricks, which can be found in "Miele's guide to laundry care". Please contact Miele to obtain a copy of this booklet.

⚠ Solvent-based cleaners (e.g. one containing benzene) can damage plastic parts.

When pre-treating garments, make sure that any plastic parts (e.g. buttons) do not come into contact with cleaning agent.

⚠ Chemical (solvent-based) cleaning agents can cause severe damage to the washing machine. Do not use solvent-based cleaning agents in this machine.

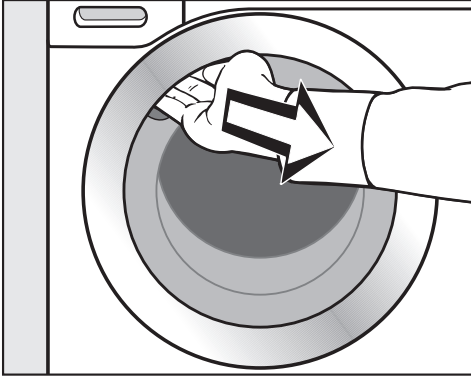
General tips

- 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 and pillow cases to prevent small items from being rolled up inside them.

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

2. Loading the washing machine

Opening 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.

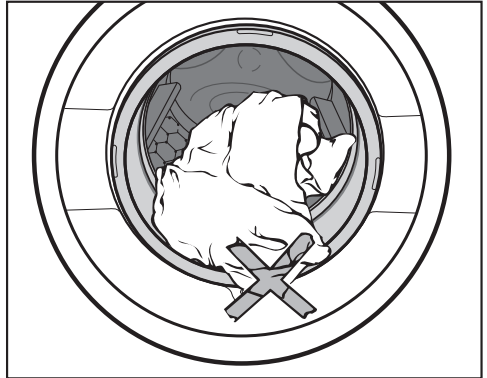
The most efficient use of energy and water is achieved when a full load is washed. However, do not overload as this reduces cleaning efficiency and causes creases.

- Unfold the laundry and load loosely in the drum.

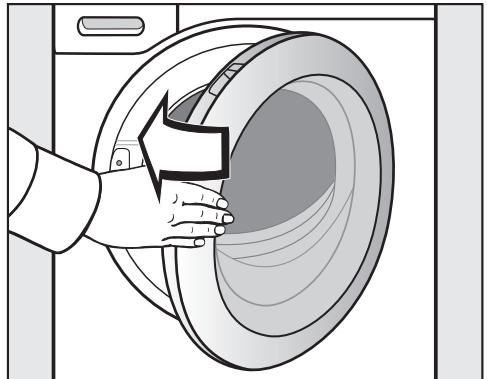
Mixing both large and small items gives better wash results and also helps distribute the load evenly during spinning.

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

Closing the door



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

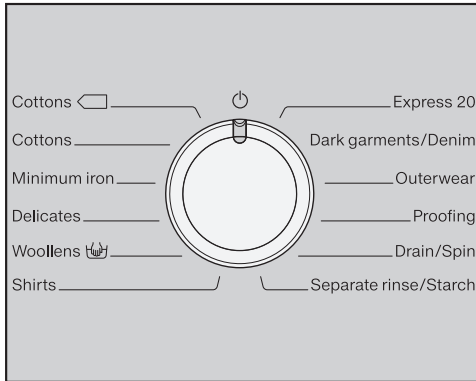


- Shut the door with a gentle swing.

3. Selecting 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	1400
60	1200
40	900
30	600
20	
Cold	

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

3. Selecting 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.

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

Please refer to "Extras" for more information.

4. Adding detergent

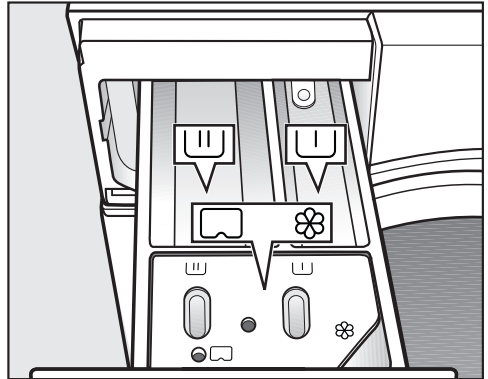
Detergent dispenser drawer

Too little detergent results in:

- laundry not getting properly clean and with time it may become grey and hard to the touch.
- greasy particles clinging to the laundry.
- limescale deposits on the heater elements.



Too much detergent results in:

- excessive foam which causes a low level of agitation and poor wash, rinse and spin results.
- high water consumption (an additional rinse cycle will automatically switch in).
- a burden to the environment.



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



Detergent for the pre-wash (divide the total recommended amount as follows: add $\frac{1}{3}$ to compartment  and $\frac{2}{3}$ to compartment )



Detergent for the main wash, including Soak if selected






Fabric softener, liquid starch or capsules

See "Detergent" for further information.

4. Adding detergent


CapDosing

Three different types of capsule are available:

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







Each capsule contains the correct amount for one wash cycle.

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

 Keep capsules out of the reach of children.

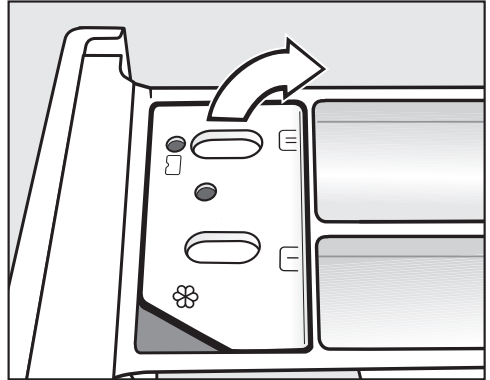
Activating CapDosing



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

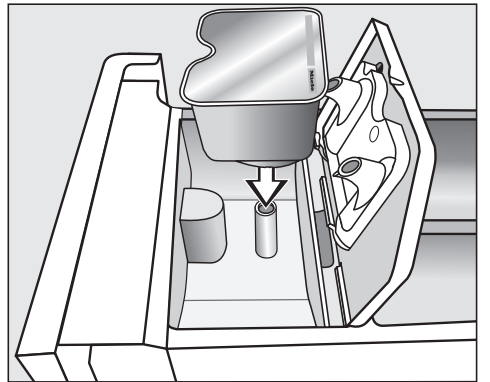
Sensor		Capsule
	for	
	for	
	for	

Inserting a capsule

- Open the detergent dispenser drawer.

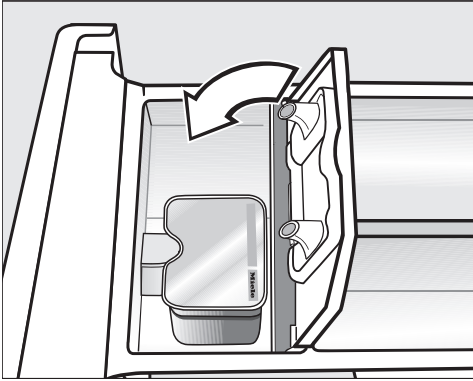


- Open the lid of the /  compartment.



- Press the capsule in firmly.

4. Adding 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. In this case, dispose of the capsule and do not re-use it.

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

Water intake to the ⌘ compartment is solely via the capsule.

No additional fabric softener may be added to the ⌘ compartment when using a capsule.

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

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


Deactivating/Changing CapDosing

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

5. Starting the programme

Starting the programme

- Touch the flashing *Start/Stop* sensor.

The door will lock (the  symbol will appear in the control panel) and the programme will start.

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


Energy savings

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


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

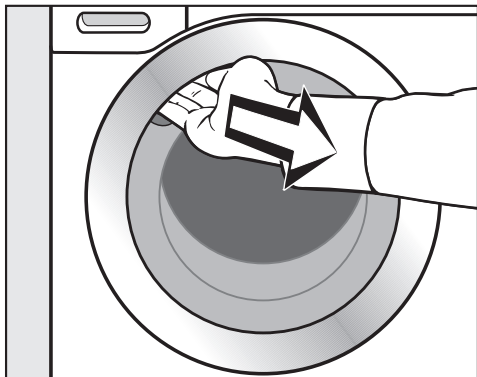
6. End of programme - unload the drum

At the end of the 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  in the control panel goes out.

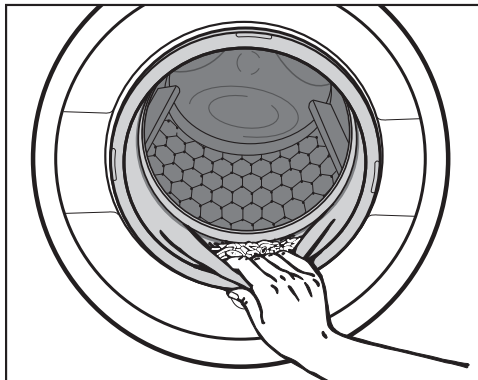



- Pull open the door.
- Remove the laundry.

Energy savings

- 10 minutes after the beginning of the anti-crease phase, the indicators dim and the *Start/Stop* sensor starts flashing.
- 15 minutes after completion of the anti-crease phase, the washing machine switches off completely and the door lock is released.

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





- Check the folds in the door seal for any small articles, e.g. buttons, which might be lodged there.
- Turn the programme selector to the  position. This switches the washing machine off.
- If applicable, remove the used capsule from the detergent dispenser drawer.

Useful tip: Leave the detergent dispenser drawer slightly open to allow it to dry. Close the door of the washing machine.

Spinning

Final spin speed

Programme	Max. possible rpm
Cottons 	1400
Cottons	1400
Minimum iron	1200
Delicates	900
Woollens 	1200*
Shirts	900
Express 20	1200
Dark garments/Denim	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 or, depending on the programme, increase it.

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.

Omitting the final spin (Rinse hold)

- Touch the  sensor (Rinse hold).

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

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 will light 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 be pumped away.

Omitting 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 on.


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

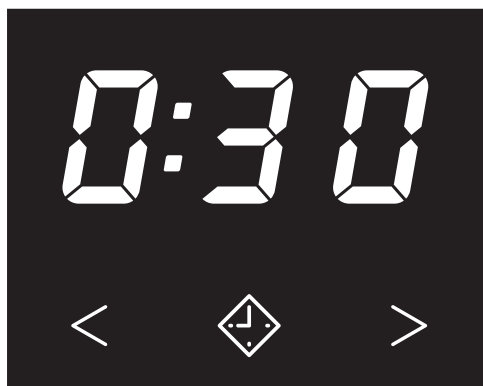
Delay start

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

Selecting Delay start

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 1 hour


Starting Delay start

- Touch the flashing *Start/Stop* sensor.

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

Altering Delay start

- Touch the *Start/Stop* sensor.


The Delay start process stops and the  symbol in the control panel goes out.

- 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 in the control panel goes out.

- Touch the brightly lit  sensor.


Delay start is cancelled and the  sensor goes out. The programme duration appears in the time display.

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


Programme chart

Cottons 		60°C	Max. load 7.0 kg
Items	Cottons, linens or cotton mix fabrics, e.g. table linen, towelling, underwear, T-shirts etc.		
Note	With 60°C the actual wash temperature reached will be lower than 60°C although the wash performance is the same as with the standard Cottons 60°C programme.		
Cottons 		40°C	Max. load 7.0 kg
Items	Normally soiled cotton garments		
Note	These settings are the most efficient in terms of energy and water consumption for washing cottons.		
Energy labelling programme according to AS/NZS 2040.1 & AS/NZS 2040.2			
Cottons		Cold to 90°C	Max. load 7.0 kg
Items	Cottons, linens or cotton mix fabrics, e.g. table linen, towelling, underwear, T-shirts etc.		
Note	<p>The settings 60°/40°C differ from 60°C/40°C as follows:</p> <ul style="list-style-type: none"> – Shorter programme durations – Longer temperature holding times – Higher energy consumption <p>Where particularly high levels of hygiene are required, please select a temperature of 60°C or higher.</p>		
Minimum iron		Cold to 60°C	Max. load 3.5 kg
Items	Synthetic, mixed fibre and easy care cotton		
Note	Reduce the spin speed for fabrics which crease easily.		

Programme chart

Delicates		Cold to 40°C	Max. load 2.0 kg
Items	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"> – Dust in curtains usually makes using a programme with a pre-wash advisable. – For items which crease easily, deselect the spin. 		
Woollens 		Cold to 40°C	Max. load 2.0 kg
Items	Machine-washable or hand-washable wool or wool blend fabric. If the care label does not specify a temperature, wash using the cold setting.		
Note	Reduce the spin speed for items which crease easily.		
Shirts		Cold to 60°C	Max. load 2.0 kg
Items	Shirts and blouses made of cotton and mixed fibre		
Notes	<ul style="list-style-type: none"> – Pre-treat collars and cuffs if necessary. – Wash silk shirts and blouses in the <i>Delicates</i> programme. 		
Express 20		Cold to 40°C	Max. load 3.5 kg
Items	Cotton garments that have hardly been worn or are only very lightly soiled.		
Notes	The <i>Short Extra</i> is activated automatically.		
Darks / Denim		Cold to 60°C	Max. load 3.0 kg
Items	Black and dark garments made from cotton, mixed fibres and denim.		
Notes	<ul style="list-style-type: none"> – Wash inside out. – Denim often contains excess dye and may run during the first few washes. Wash light and dark coloured items separately. 		

Programme chart

Outerwear		Cold to 40°C	Max. load 2.5 kg
Items	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"> – Zip up or close jackets before washing. – Do not use fabric softener. – If required, these garments can also be re-proofed using the <i>Proofing</i> programme. Proofing should not be done every time the garment is washed. 		
Proofing		40°C	Max. load 2.5 kg
Items	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"> – The items should be freshly laundered and spun or dried before proofing. – For best results, the items should be heat-treated afterwards either in a tumble dryer or by ironing. 		
Drain/Spin			–
Notes	<ul style="list-style-type: none"> – Drain only: Select  for the spin speed. – Make sure you select the appropriate spin speed. 		
Separate rinse/Starch			Max. load 7.0 kg
Items	<ul style="list-style-type: none"> – For rinsing hand-washed items. – Starching table cloths, serviettes and workwear. 		
Notes	<ul style="list-style-type: none"> – Reduce the spin speed for items which crease easily. – Laundry that is to be starched should be washed but not treated with fabric softener. – Items will be rinsed very effectively with two rinses by activating the <i>Water plus Extra</i>. 		

Extras

You can use the Extra option sensors 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 Extras can be used with every programme.

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

Short

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 two hours can be programmed in 30-minute increments for the soak process.
- The factory default setting is two hours.

See "Programmable functions - Soak duration" 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
Express 20	X ¹⁾	-	-	-
Dark garments/Denim	X	X	X	X
Outerwear	X	X	X	X
Separate rinse/Starch	-	X	-	-

X = Can be selected




¹⁾ = Can be deselected

- = Cannot be selected

Programme sequence

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

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
Ⓓ = Ultra sensitive rhythm
Ⓔ = Handwash rhythm
✓ = Carried out
– = Not carried out

The washing machine has fully electronic controls with automatic load recognition. It 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.

The washing machine programme sequence display shows which stage of the programme has been reached.



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 *Woollens* 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 and with 40°C  and 60°C  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  or  have been activated in *Programmable functions*.

5) An additional rinse is carried out if: the *Water plus Extra* is selected.

Changing the programme sequence

Changing a programme or adding/removing laundry

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


Once a programme has started it is no longer possible to open the door.

If you would like to change the programme or add/remove laundry, you have to cancel the programme.

labelling="Section-Header">Cancelling a programme

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

- Touch the *Start/Stop* sensor.

The water is pumped away, the time display changes to 0:00. As soon as the  symbol in the control panel goes out, the programme has been cancelled and the door can be opened.

labelling="Section-Header">Selecting a different programme after cancelling the programme

- Open the door.
- 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.

labelling="Section-Header">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*.

Useful tip: Select an appropriate spin speed.

- Touch the *Start/Stop* sensor.

The laundry is spun and can be removed damp after spinning.

labelling="Section-Header">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.




Useful tip: If -0- appears in the time display, the programme selector is in the incorrect position.






Garment care label symbols





Washing	
The figure quoted in the symbol is the maximum temperature at which the garment can be washed. 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.	
	approx. 200°C
	approx. 150°C
	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 front loading washing machines are suitable. Follow the manufacturer's instructions and dosage recommendations on the packaging.

The right amount to dispense will depend on the following:

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

Detergent dispensing aids

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

Refill packs of detergent

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

Fabric softeners and liquid starch

Fabric softeners

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

Fabric shapers






are synthetic starches and give an even stiffer hold.

Starch

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

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 shop.miele.com (depending on country) or from Miele.

	Miele UltraWhite	Miele UltraColor	Miele Cap 	Miele Cap 	Miele Cap 
Cottons 	✓	✓	-	Ⓔ	Ⓕ
Cottons	✓	✓	-	Ⓔ	Ⓕ
Minimum iron	-	✓	-	Ⓔ	Ⓕ
Delicates	-	✓	-	Ⓔ	-
Woollens 	-	-	Ⓒ, Ⓓ	-	-
Shirts	✓	✓	-	Ⓔ	Ⓕ
Express 20	-	✓	-	Ⓔ	-
Dark garments/Denim	-	✓	-	Ⓔ	-
Outerwear	-	-	-	-	-
Proofing	-	-	-	-	-
Separate rinse/Starch	-/-	-/-	-/-	Ⓔ/-	-/-

✓ Recommended

- Not recommended

Ⓐ Sportswear

Ⓑ Down Items

Ⓒ WoolCare



Ⓓ SilkCare

Ⓔ Fabric Softener

Ⓕ Booster

Detergent

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

	Universal	Colour	Delicates and woollens	Special
	detergent			
Cottons 	✓	✓	-	-
Cottons	✓	✓	-	-
Minimum iron	-	✓	-	-
Delicates	-	-	✓	-
Woollens 	-	-	✓	✓
Shirts	✓	✓	-	-
Express 20	-	✓ ¹⁾	-	-
Dark garments/Denim	-	✓ ¹⁾	-	✓
Outerwear	-	-	✓	✓

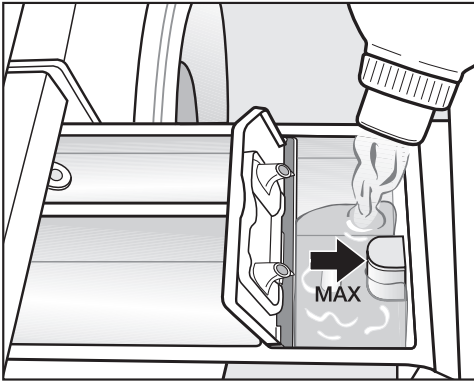
✓ Recommended

- Not recommended

1) Liquid detergent

2) Powder detergent

Dispensing fabric softener and liquid starch at the end of the programme



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

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

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

Adding fabric softener or liquid starch separately

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

Useful tip: When adding fabric softener, activate the *Water plus Extra*.

- Add fabric softener to the ☼ compartment or insert the appropriate capsule.
- Add liquid starch to the ☼ compartment and powder or viscous starch to the U 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

⚠ **Do not use** colour run or dye removers in this washing machine. They can cause corrosion in the 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 dye frequently. Always observe the manufacturer's instructions carefully.


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. This should be done at the latest when the indicator light  comes on.

External casing and fascia panel

 Disconnect the machine from the mains electricity supply and withdraw the plug from the socket before cleaning the machine.

 The washing machine must not be hosed down.

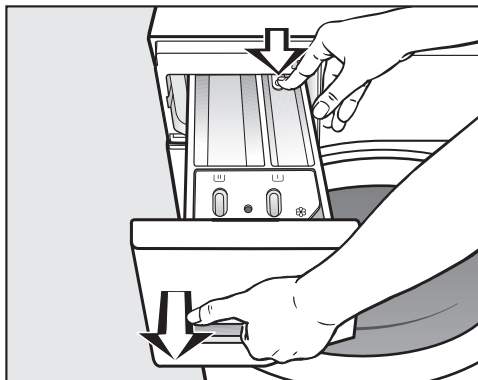
- Clean the casing with a mild non-abrasive cleaning agent or soap and water using a well wrung-out cloth. Wipe dry with a soft cloth.
- The drum can be cleaned using a suitable proprietary stainless steel cleaning agent following the manufacturer's instructions on the packaging.

 Do not use solvents, abrasive cleaners, glass cleaners or all-purpose cleaning agents. These might damage plastic surfaces and other components because of the chemicals they contain.

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.

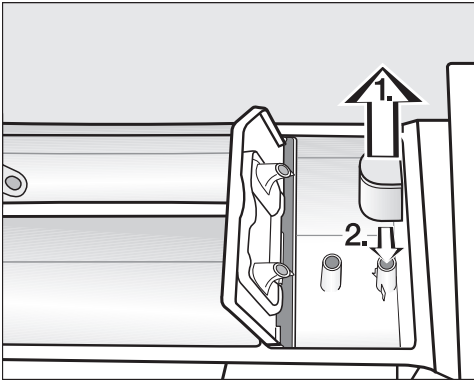
- For hygiene reasons, clean the entire drawer at regular intervals.




- 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 detergent drawer with warm water.

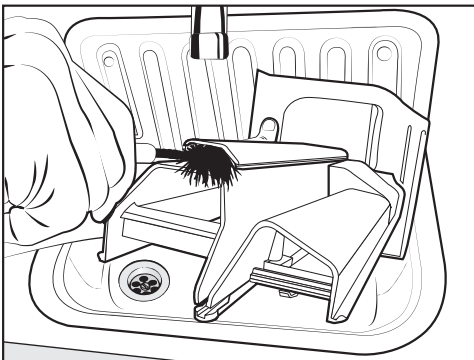
Cleaning the siphon tube and the fabric softener channel

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.



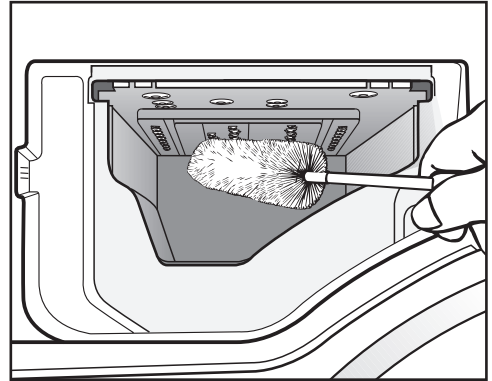
■ Clean the siphon.

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



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

Cleaning the detergent dispenser drawer housing



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

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

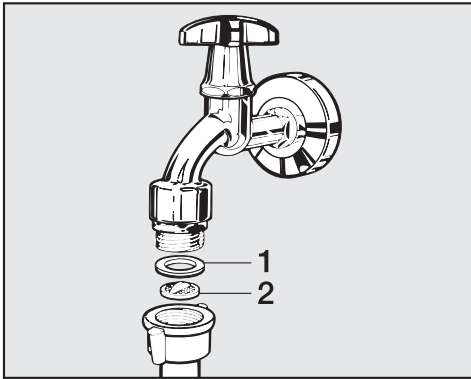
Cleaning and care

Cleaning the water inlet filter

The washing machine has two filters to protect the water inlet valve. These filters should be checked every six months or so, or more often if there are frequent interruptions to the water supply.

Cleaning the filter in the union in the open end of the inlet hose

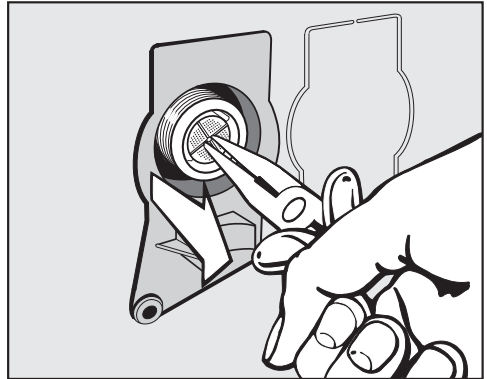
- First turn off the tap.
- Unscrew the inlet hose from the tap.



- 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 and the seal.
- Put the filter and seal back in the reverse order and reconnect the hose.

Cleaning the filter in the water inlet valve

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



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


After cleaning the filters, turn on the tap and check the connections are watertight. If water drips out, tighten the connections.

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

Problem solving guide

With the help of the following guide, minor faults in the performance of the appliance, some of which may result from incorrect operation, can be put right without contacting Miele. This will save time and money.

Please note that a call-out charge will be applied to unnecessary service visits where the problem could have been rectified as described in these operating instructions.




 Repair work to electrical appliances should only be carried out by an authorised Miele service technician. Repairs and other work by unqualified persons could be dangerous. Miele cannot be held liable for unauthorised work.

The programme does not start

Problem	Possible cause and remedy
The control panel remains dark.	There is no power to the machine. <ul style="list-style-type: none">■ Check whether the mains plug is plugged in and switched on.■ Check whether the circuit breaker has tripped.
	The washing machine has switched off automatically to save energy. <ul style="list-style-type: none">■ Switch the washing machine on again by turning the programme selector.
F and 34 alternately appear in the time display.	The door is not closed properly. The door lock could not engage. <ul style="list-style-type: none">■ Close the door again.■ Start the programme again. If the fault message appears again, contact Miele.

Problem solving guide



An error indicator light lights up in the control panel and the programme was cancelled

Problem	Possible cause and remedy
The fault indicator light  lights up, F and 10 appear alternately in the time display and the buzzer sounds.	The water inlet is blocked or restricted. <ul style="list-style-type: none">■ Check whether the tap is turned on properly.■ Check whether the inlet hose is kinked.■ Check whether there is sufficient water pressure.
	The filter in the water inlet is blocked. <ul style="list-style-type: none">■ Clean the filter.
The fault indicator light  lights up, F and II appear alternately in the time display and the buzzer sounds.	The water outlet is blocked or restricted. The drain hose has been fixed too high. <ul style="list-style-type: none">■ Clean the drain filter and the pump.■ The maximum drain height is 1 m.
The fault indicator light  lights up, F and 138 appear alternately in the time display and the buzzer sounds.	The water protection system has reacted. <ul style="list-style-type: none">■ Turn off the tap.■ Call Miele.
F and XXX alternately appear in the time display and the buzzer sounds.	There is a fault. <ul style="list-style-type: none">■ Disconnect the washing machine from the mains electricity supply, either by switching it off at the wall socket and withdrawing the plug, or by disconnecting it at the circuit breaker.■ Wait at least 2 minutes before reconnecting the washing machine to the mains electricity supply.■ Then switch the washing machine on again.■ Restart the programme. If the fault message appears again, contact Miele.

During the programme, a symbol appears in the time display


Message	Possible cause and remedy
-0- lights up	The programme selector was moved to a different position after the programme had started. <ul style="list-style-type: none"> ■ Turn the programme selector back to the original position.
	The programme has been interrupted. <ul style="list-style-type: none"> ■ Open the door. ■ Close the door.

At the end of a programme, an indicator light lights up on the control panel




Problem	Possible cause and remedy
The indicator light  lights up.	Excessive foam has built up during washing. <ul style="list-style-type: none"> ■ Use less detergent next time and follow the manufacturer's instructions on dosage given on the packaging.
The indicator light  lights up.	A programme using a temperature above 60°C has not been run for a long period of time. <ul style="list-style-type: none"> ■ In order to prevent bacteria and unpleasant odours building up in the machine, run the <i>Cottons 90°C</i> programme using Miele Dishwasher and Washing Machine Cleaner or powder detergent.

Problem solving guide

General problems with the washing machine


Problem	Possible cause and remedy
The washing machine smells.	The  indicator light was ignored. A programme using a temperature above 60°C has not been run for a long period of time. <ul style="list-style-type: none">■ In order to prevent bacteria and unpleasant odours building up in the machine, run the <i>Cottons 90°C</i> programme using Miele dishwasher and washing machine cleaner or powder detergent.
	The detergent dispenser drawer was left closed after washing. <ul style="list-style-type: none">■ Leave the detergent dispenser drawer slightly open to allow it to dry.
The machine shakes during the spin cycle.	The machine feet are not level. <ul style="list-style-type: none">■ Level the machine and adjust the feet correctly.
The laundry has not been spun properly and the laundry is still wet.	The machine detected an imbalance during the final spin and reduced the spin speed automatically. <ul style="list-style-type: none">■ Include both large and small items in the load as this will give better distribution.
The pump makes strange noises.	This is not a fault. These slurping noises occur at the end of the pump sequence as a normal part of operation.
Large amounts of detergent residue remain in the detergent dispenser drawer.	The water pressure is too low. <ul style="list-style-type: none">■ Clean the filter in the water inlet.■ It may be useful to select the <i>Water plus Extra</i> option.
	Powder detergent used with water softeners can become sticky. <ul style="list-style-type: none">■ Clean the detergent dispenser drawer and in future add washing powder and then add the water softener.

General problems with the washing machine




Problem	Possible cause and remedy
Fabric softener is not completely dispensed or too much water remains in the  compartment.	<p>The siphon tube is not correctly positioned, or is clogged up.</p> <ul style="list-style-type: none"> ■ Clean the siphon (see "Cleaning and care - Cleaning the detergent dispenser drawer").
At the end of the programme there is still liquid in the capsule.	<p>The small pipe in the detergent dispenser drawer onto which the capsule is placed is blocked.</p> <ul style="list-style-type: none"> ■ Clean the small pipe. <p>This is not a fault. For technical reasons, a small amount of water will remain in the capsule.</p>
There is water next to the capsule in the fabric softener compartment.	<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"> ■ Make sure that you remember to activate the <i>Cap</i>  sensor the next time you insert a capsule. ■ Remove and then dispose of the empty capsule at the end of each programme. <p>The small pipe in the detergent dispenser drawer onto which the capsule is placed is blocked.</p> <ul style="list-style-type: none"> ■ Clean the small pipe.

Problem solving guide

An unsatisfactory wash result

Problem	Possible cause and remedy
Liquid detergent does not give the required result.	<p>Liquid detergents usually contain no bleaching agents. They do not remove fruit, coffee and tea stains.</p> <ul style="list-style-type: none">■ Use a general purpose powder detergent containing a bleaching agent.■ Use the appropriate capsule or add stain removers to the  compartment.■ Never put stain removers and liquid detergent together in the dispenser drawer.
Grey, greasy particles cling to washed laundry.	<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">■ Use more detergent or liquid detergent.■ Before washing the next load, run a <i>Cottons 60°C</i> programme with powder detergent but without a load.
White residues which look like powder detergent are seen on dark textiles after washing.	<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">■ Try and brush off the residues with a soft brush once the laundry is dry.■ Wash dark textiles using a detergent which does not contain zeolites. Liquid detergents usually do not contain zeolites.■ Use the <i>Dark garments/Denim</i> programme.

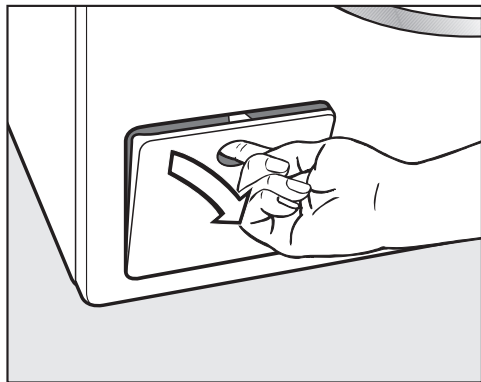
The door will not open

Problem	Possible cause and remedy
<p>The door cannot be pulled open during a programme.</p>	<p>The drum is locked during a programme.</p> <ul style="list-style-type: none"> ■ Press the <i>Start/Stop</i> sensor and cancel the programme. <p>The programme is cancelled, the door unlocks and you can 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"> ■ Clean the drain filter and the drain pump as described in "Opening the door in the event of a blocked drain outlet and/or power cut".
<p>After the programme is cancelled, flashing bars ......... appear in the time display.</p>	<p>For safety reasons, the door cannot be opened if the suds temperature is higher than 55°C.</p> <ul style="list-style-type: none"> ■ Wait until the temperature in the drum has decreased and the bars have stopped flashing in the display.
<p>F and 35 alternately appear in the time display.</p>	<p>The door lock has jammed.</p> <ul style="list-style-type: none"> ■ Call Miele.

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

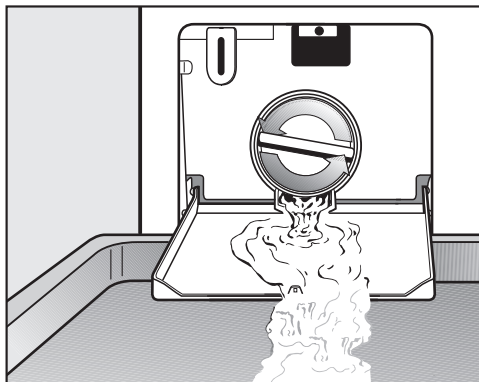
If the drain outlet is blocked, a large quantity of water can remain in the washing machine.

 If laundry has been washed at a high temperature, water draining out of the machine will still be hot. Danger of scalding!
Take care when draining the suds solution.

Procedure for draining the washing machine

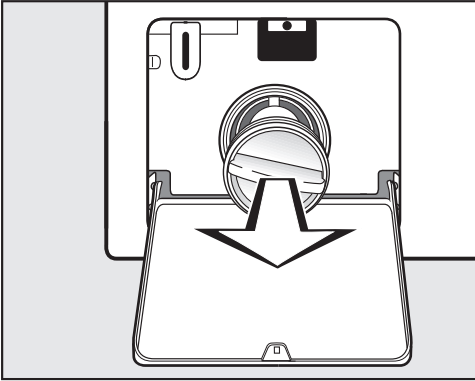
When draining water from the machine, do not unscrew the drain filter completely or take it right out.

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

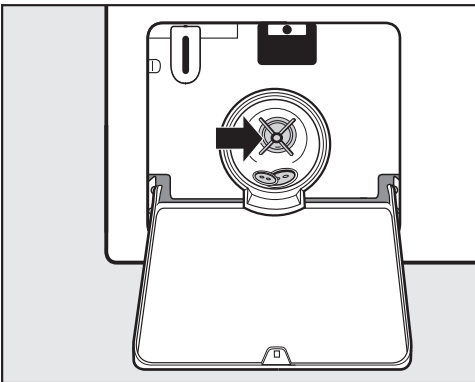


- Slowly and carefully unscrew the filter to let the water out. Be careful not to release too much water at once. If the flow of water is too strong, some water can seep into the washing machine base and activate the water protection float switch. This will prevent the washing machine from functioning.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

Once the flow of water ceases:



- Remove the drain filter completely.

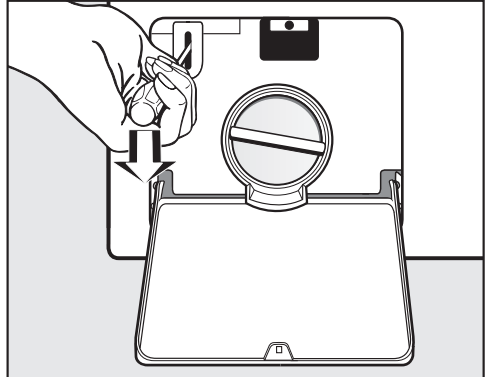


- Clean it thoroughly.
- Remove any foreign objects (e.g. buttons, coins, etc.) and fluff from the filter housing. Turn the impellers by hand to check that they rotate freely.
- Replace the drain filter correctly and tighten it securely.

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

Opening the door

⚠ Always make sure that the drum is stationary before reaching in to remove laundry. Reaching into a moving drum is extremely dangerous.



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

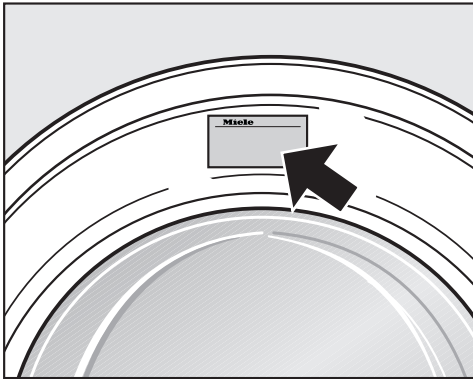
After sales service

Repairs

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

The contact details for Miele are given at the back of these instructions.

When contacting Miele, please quote the model and serial number of your machine, both of which are visible on the data plate above the porthole glass when the door is open.



Warranty

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

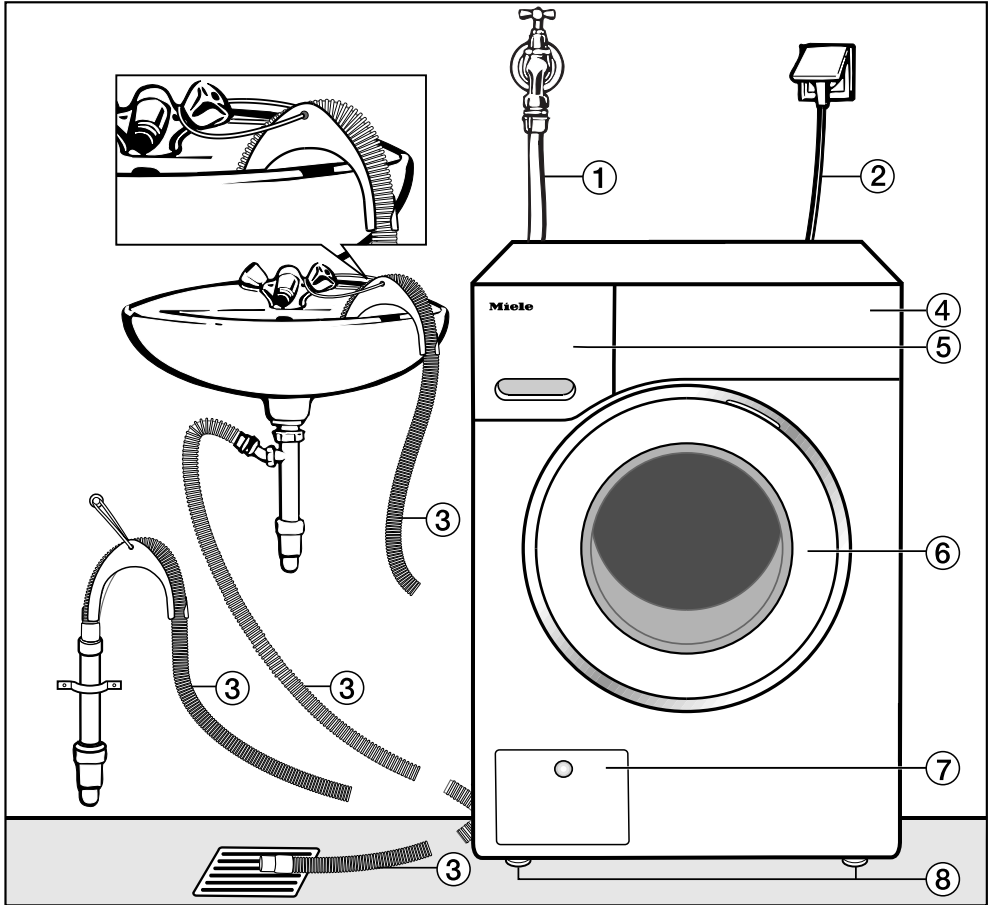
See the warranty card supplied with the washing machine for further details.

Optional accessories

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

Installation and connection

Front view



① Inlet hose (tested to withstand pressures up to 7000 kPa)

② Electrical connection cable

③ Flexible drain hose (with detachable swivel elbow)

④ Control panel

⑤ Detergent dispenser drawer

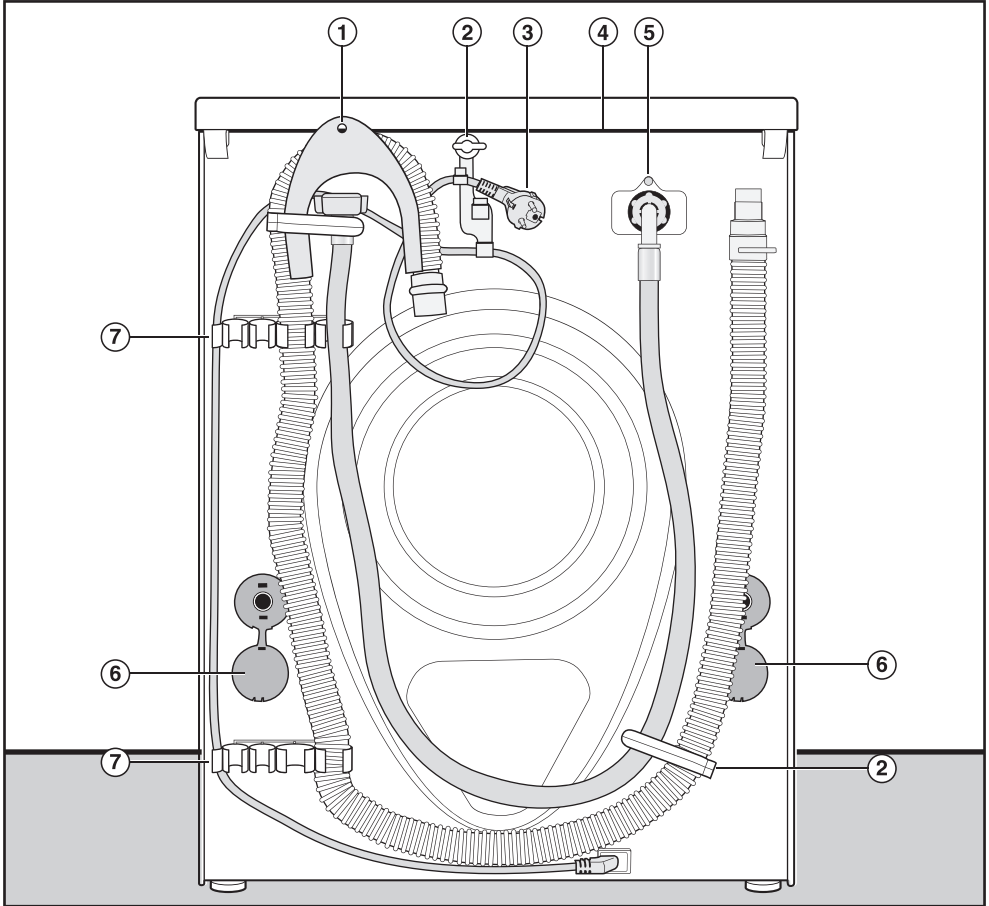
⑥ Door

⑦ Access to drain filter, drain pump and emergency release

⑧ Four height-adjustable feet

Installation and connection

Rear view



- ① Drain hose
- ② Transport clips for electrical connection cable, inlet and drain hoses
- ③ Electrical connection cable
- ④ Protruding lid for holding when moving the machine
- ⑤ Inlet hose (tested to withstand pressures up to 7000 kPa)
- ⑥ Safety caps for transit bars
- ⑦ Transport clips for inlet and drain hoses and for storing transit bars when not in use

Installation surface

A concrete floor is the most suitable installation surface for a washing machine, being 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:

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

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

Transporting the washing machine to its installation site

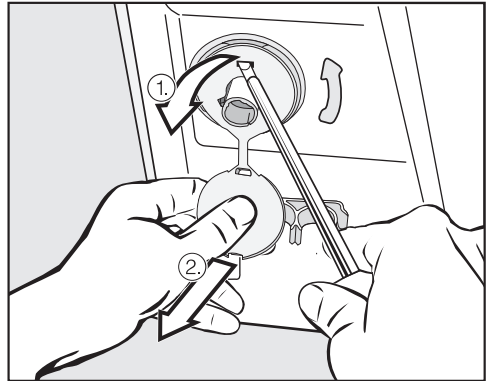
 Make sure the fixings at the back of the lid are secure.

Otherwise there is a danger of the lid being pulled off when carrying the appliance.

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

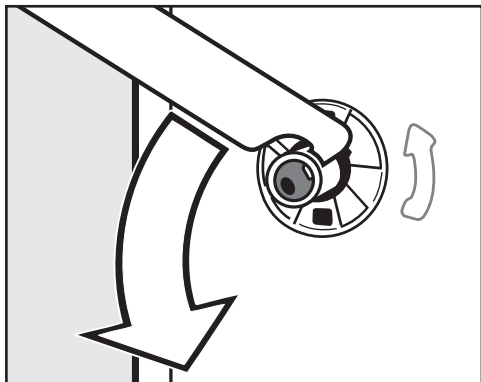
- Carry the washing machine by the front feet and the protruding lid at the back.

Removing the transit bars

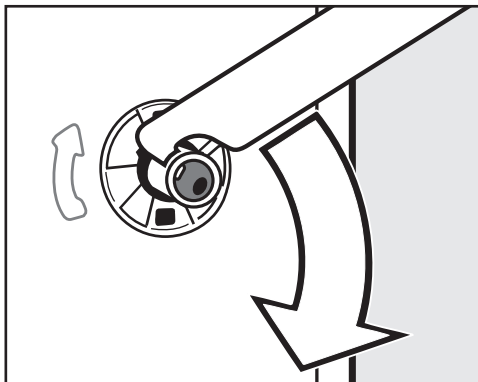


- Remove the left and right covers.
 1. Pull off the transit bar covers and
 2. then use a screwdriver to release the catches at the top and bottom.

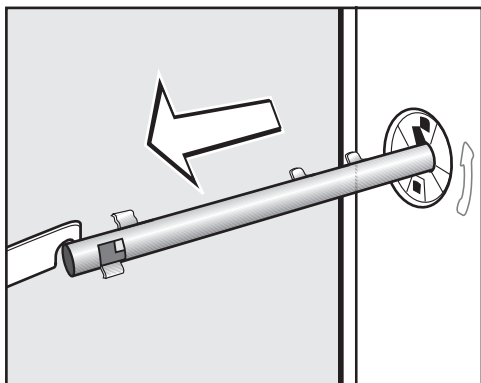
Installation and connection



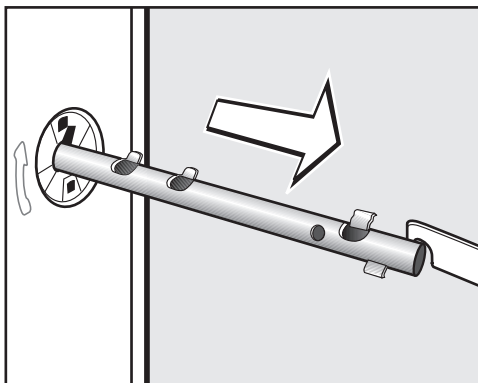
- Using the spanner supplied, turn the left-hand transit bar 90°, then



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




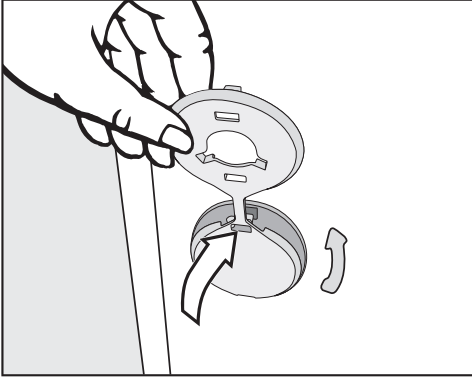
- withdraw the transit bar.



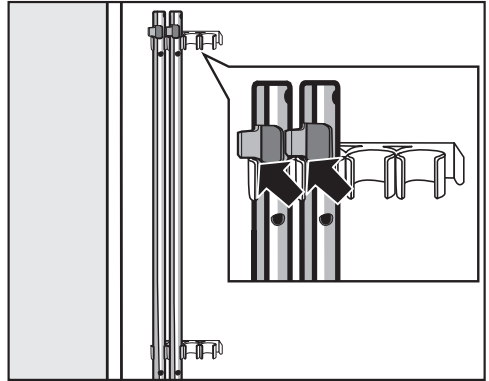
- withdraw the transit bar.

Installation and connection


 To avoid the risk of injury, the holes for the transit bars must be covered after the transit bars have been removed.



- Fit the covers onto the two holes.



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

 The washing machine must not be moved without the transit bars in place. Store them as shown or keep them in a safe place for future use. They must be refitted if the machine is to be moved again (e.g. when moving house).

Refitting the transit bars

Refitting is carried out by reversing the procedure.

Installation and connection

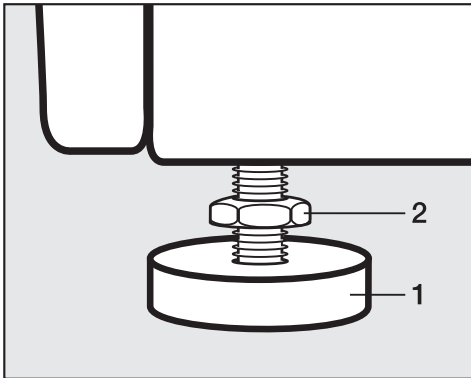
Levelling the machine

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

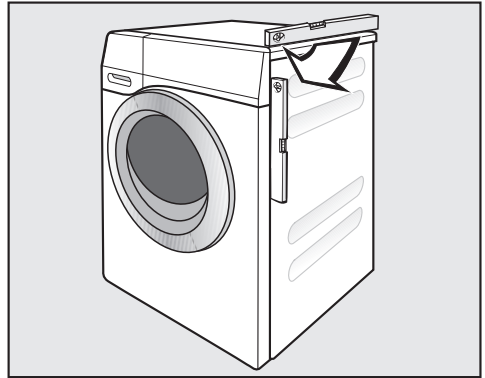
Incorrect installation may increase electricity and water consumption and may cause the machine to move about.

Screwing out and adjusting the feet

The four adjustable screw feet are used to level the machine. All four feet are screwed in when the machine is delivered.




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



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

⚠ All four counter nuts must be firmly up against the housing. Please also check this for the feet which did not need adjustment. Otherwise there is a danger of the machine moving about.

Building under a continuous worktop / in a kitchen run

 The washing machine lid cannot be removed.

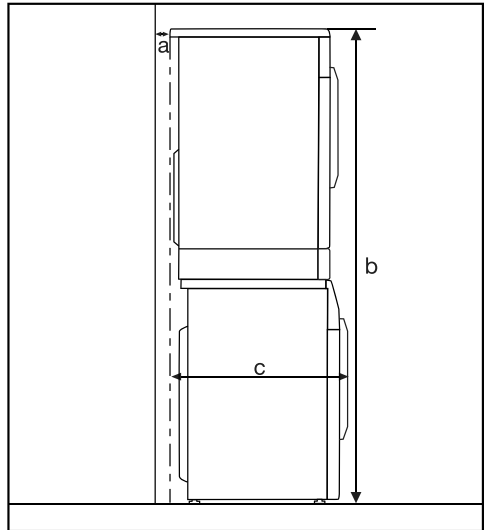
This washing machine (with lid intact) can be pushed under a worktop if there is space to do so.

Washer and dryer stack

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

All parts marked * are available from Miele.

Please note the following:



a = at least 2 cm

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

c = 68 cm

Installation and connection

The Miele water protection system

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

The system consists of three main components:

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

Inlet hose

- Protection against bursting

The inlet hose is tested to withstand pressures up to 7000 kPa.

Electronic unit and 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 on and pumps the excess water away in a controlled way.

Drain hose

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

Connection to the water supply


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

IMPORTANT Australia and New Zealand

This appliance must be installed according to AS/NZS 3500.1. Backflow prevention is already integrated in the appliance.

The machine is designed to operate with a flow pressure of between 100 and 1000 kPa. If it is higher than 1000 kPa, it is essential to fit a reducer valve.

Connection to the mains water supply should incorporate a mains tap with $\frac{3}{4}$ " threaded union. The tap should be fitted by a qualified plumber.

 The connection point is subject to mains water pressure. Turn on the tap slowly and check for leaks. Correct the position of the washer and union if appropriate.

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

Maintenance and care

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

In order to protect the water inlet valve, the two dirt filters (one in the open end of the inlet hose, the other in the inlet point in the machine) must not be removed.

Installation and connection

Drainage

The machine drains via a drain pump with a delivery head of 1 metre. The drain hose must not be kinked as this restricts drainage. The swivel elbow at the end of the hose can be turned in either direction, or can be detached if required, with a sharp twist and pull. If required, the drain hose can be extended to a length of 5 m. The necessary parts can be purchased from Miele.

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. In this case the drain hose can be extended to a length of 2.5 m. The necessary parts can be purchased from Miele.

Drain hose connection:

1. Directed into a sink or basin:

Please note:

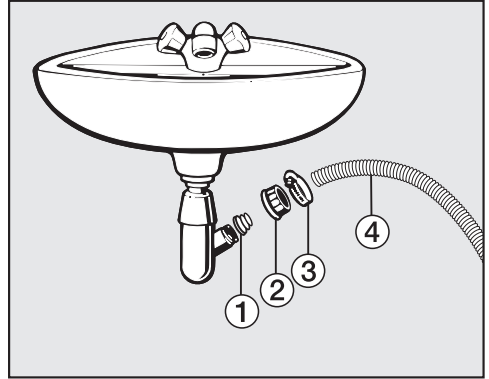
- Hook the hose over the edge and secure.
- Make sure that the water can drain away freely without hindrance. Otherwise there is a risk of water overflowing or of some of the drained water being sucked back into the machine.

2. Connected securely to a plastic drain pipe with a rubber nipple. There is no need to use a siphon.

3. Connected securely to a floor gully.

4. Connected securely to a standpipe.

Please note:




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

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

Electrical connection

The washing machine is supplied with a mains cable with moulded plug for connection to a 230V mains supply. The voltage, rated load and plug rating are given on the data plate. Please ensure these match the household mains supply.

 The accessibility of the plug must always be ensured in order to separate the washing machine from the mains. Do not connect the appliance to an extension lead or multi-socket adapter as they do not guarantee the required safety of the appliance (e.g. danger of overheating).


All electrical work must be carried out only by a suitably qualified and competent person, in strict accordance with national and local safety regulations. For extra safety, it is advisable to install a residual current device (RCD), with a trip current of 30 mA. Ensure power is not supplied to the appliance until after installation work has been carried out. Connection should be made via a suitable switched socket.

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

WARNING: THIS APPLIANCE MUST BE EARTHED

Consumption data

Consumption data for the nominated energy labelling programme according to AS/NZS 2040.1 & AS/NZS 2040.2



	Load	Consumption data		
		Energy in kWh	Water in litres	Duration Normal Cold Water
Cottons  40°C	7.0 kg	0.63	63	3 h 59 min

Notes for test institutes:

Detergent **must** be dispensed via the detergent dispenser drawer.

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 Extra options selected.

Consumption data

		Load	Energy	Water	Duration	Residual moisture
		kg	kWh	Litres	h:min	%
Cottons 	60°C	7.0	0.90	50	2:59	53
	60°C	3.5	0.88	48	2:59	53
	40°C	3.5	0.50	40	2:59	53
Cottons	90°C	7.0	2.00	50	2:29	53
	60°C	7.0	1.20	50	2:29	53
	60°C	3.5	1.00	48	2:19	53
	40°C	7.0	0.84	69	2:39	53
	40°C	3.5	0.60	48	2:29	53
	20°C	7.0	0.35	69	2:39	53
Minimum iron	30°C	3.5	0.35	47	1:59	30
Delicates	30°C	2.0	0.25	30	1:09	–
Woolens 	30°C	2.0	0.23	35	0:38	–
Express 20 ¹⁾	40°C	3.5	0.34	30	0:20	–
Shirts	60°C	2.0	0.77	40	1:31	–

1) Short Extra 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.

Technical data

Height	850 mm
Width	596 mm
Depth	636 mm
Depth with door open	1054 mm
Height for building under	850 mm
Width for building under	600 mm
Weight	Approx. 100 kg
Capacity	7 kg dry laundry
Voltage	See data plate
Rated load	See data plate
Fuse rating	See data plate
Consumption data	See "Consumption data"
Water flow pressure minimum	100 kPa
Water flow pressure maximum	1000 kPa
Inlet hose length	1.60 m
Drain hose length	1.50 m
Connection cable length	2.00 m
Drain pump head max.	1.00 m
Drain pump length max.	5.00 m
LEDs	Class 1
Test certificates awarded	See data plate
Power consumption when switched off	0.3 W
Power consumption when not switched off	2.5 W

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

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

Accessing the programming level

Before you begin, ensure the following:

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

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

2 Close the washing machine door.

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

3 ... and then release the *Start/Stop* sensor.

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

Choosing and selecting the programmable function

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

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

Programmable functions	
<i>P13</i>	Keypad tone
<i>P14</i>	PIN Code
<i>P22</i>	Control panel standby status
<i>P23</i>	Washing machine standby status
<i>P24</i>	Memory
<i>P26</i>	Longer pre-wash Cottons
<i>P27</i>	Soak duration
<i>P28</i>	Gentle action
<i>P29</i>	Reduce 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>P62</i>	Backlight brightness dimmed

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

Programmable functions

Editing and saving the programmable function

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

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

Programmable function	Available options					
	-00	-01	-02	-03	-04	-05 - -07
	P13	X	O			
P14	O	X				
P22	X	O				
P23		O	X	X		
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	O	X				
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.

Exiting the programming level

- 8 Turn the programme selector to .

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

P13 Keypad tone

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

Options

- 00 = Keypad tone is switched off
- 01 = Keypad tone is switched on
(factory default setting)

P14 PIN Code

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

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

Options

- 00 = PIN code is switched off
(factory default setting)
- 01 = PIN code is switched on

Using the washing machine with a PIN code

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

- Switch on the washing machine.

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

- Touch the > sensor.

__ / appears in the time display.

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

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

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

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

Programmable functions

P22 Control panel standby 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 a programme, or at the end of the anti-crease phase.

P23 Washing machine standby status

The washing machines switches itself off automatically. This occurs after the end of the programme/anti-crease phase, or after being switched on if no further selection is made.

Options

-01 = The washing machine will switch itself off after 15 minutes (**factory default setting**)

-02 = The washing machine will switch itself off after 20 minutes

-03 = The washing machine will switch itself off after 30 minutes

P24 Memory

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

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

Options

-00 = Memory is switched off (**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 2 hours.

A duration can be selected in 30-minute increments. When the *Soak Extra* 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

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

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

Options

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

P29 Reduce temperature

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

Options

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

Programmable functions

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 increased by 1 level when washing and rinsing
- 03 = Water level increased by 2 levels when washing and rinsing
- 04 = Water level increased by 3 levels when washing and rinsing

P32 Maximum rinse level

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

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

Options

- 00 = Maximum rinse level is switched off (**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 Cottons programme with a temperature of 70°C or higher is selected.

Suds cooling should be activated:

- to prevent the danger of scalding if the drain hose is hooked over the edge of a sink or basin.
- where the 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.

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

Options

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

P62 Backlight brightness dimmed

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

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

Options

- 01 = darkest level
- ↓
- 07 = brightest level
- 03 = **Factory setting**

Optional accessories

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 shop.miele.com (depending on country) or from Miele (see end of this booklet for contact details).

Detergent

UltraWhite

- Powder detergent
- Suitable 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
- Suitable for coloured and dark/black items
- Protects bright colours from fading
- Effective stain removal even at low temperatures
- Also available as a powder detergent

Sensitive Skin powder

- High quality detergent formulated for people with sensitive skin
- Contains no dyes and preservatives
- Most suitable for white or light coloured textiles

Specialist detergents

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

Sportswear

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


Down Items

- 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 pilling
- Gentle on colours
- Cleans at temperatures as low as 20°C, helps retain the shape of delicate items and protect colours

SilkCare

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


Fabric care

Fabric Softener

- Fresh, natural fragrance
- Makes laundry soft to handle
- Available as capsules in convenient single dose amounts and as liquid detergent.

Additives

Booster

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

Machine care products

Dishwasher and Washing Machine Cleaner

- For cleaning the washing machine thoroughly and effectively
- Removes grease, bacteria and unpleasant odours

Descaler for washing machines

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

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