



## Operating and installation Instructions Commercial Washing Machine

PW 6163

PW 6243

PW 6323

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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.

en-AU, NZ

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## Warning and Safety instructions

### Explanation of the safety instructions and warnings on the machine

	Read the operating instructions
	Read the instructions e.g. installation instructions
	Warning: hot surfaces
	Caution: voltage up to 1000 volts
	Earthing
	Equipotential bonding

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

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

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

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

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

When instructing other people how to use the washing machine, they must be made aware of these Warning and Safety instructions.

## Warning and Safety instructions

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### Correct application

- ▶ The washing machine is only suitable for washing fabrics with a care label stating that they are suitable for machine washing. Any other applications may be dangerous. The manufacturer cannot be held liable for damage resulting from incorrect or improper use or operation of the machine.
- ▶ This washing machine must be used as described in these instructions and must be checked on a regular basis to make sure it is functioning correctly. Maintenance must be carried out when necessary.
- ▶ The washing machine is not suitable for outdoor use.
- ▶ Do not install your washing machine in a room where there is a risk of frost. Frozen hoses can tear or burst. The reliability of the electronic control unit may be impaired at temperatures below freezing point.
- ▶ The washing machine is designed for commercial use only.
- ▶ The machine must not be installed and operated in mobile locations (e.g. on a ship).
- ▶ This washing machine is only intended for items of laundry that have not been proofed with dangerous or inflammable substances.
- ▶ For the disinfection processes, temperatures, exposure times, liquor ratios and, if necessary, disinfectants are to be used which provide the necessary infection prophylaxis in accordance with guidelines and microbiological and hygienic findings.
- ▶ Disinfection programmes must not be interrupted, as this can have a limiting effect on the disinfection result. It is the operator's responsibility to ensure that the standard of disinfection in thermal as well as chemo-thermal procedures is maintained by carrying out suitable validation tests.
- ▶ If special requirements are placed on the result quality of the laundry, e.g. rinsing result, particle-free, wettability and permeability to liquids, the process must be validated accordingly. The operator must ensure the reprocessing standard through regular quality controls.
- ▶ Gasoline, petroleum, kerosene, paraffin, or any easily flammable liquid must not be stored or used near the washing machine. Risk of fire and explosion.
- ▶ If the washing machine is operated in a publically accessible place, it is the operator's responsibility to ensure suitable measures are in place to protect users from any source of risk or danger.

## Warning and Safety instructions

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- ▶ 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.
- ▶ 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. They must be able to understand and recognise the possible dangers of misuse.
- ▶ Cleaning work may only be carried out by older children under the supervision of an adult.
- ▶ Always supervise any children in the vicinity of the washing machine. Never allow children to play with the washing machine.
- ▶ Uses other than those listed above are incorrect and shall release the manufacturer from liability.

### Preventing problems

- ▶ Never use solvent-based detergents, e.g. those containing benzene, in this washing machine. This may result in damage to component parts and create toxic fumes. **Risk of fire and explosion!**
- ▶ When washing with high temperatures, remember that the porthole glass becomes hot. Therefore, prevent children from touching the porthole glass during the wash process.  
**Danger of burning!**
- ▶ Close the drum door after each wash programme. This way you will avoid the danger of
  - children climbing into the washing machine or hiding things in it.
  - Small animals climb into the washing machine.
- ▶ Do not damage, remove or bypass the safety components or control elements of the washing machine.
- ▶ Machines with a damaged control panel or damage to wire insulation must not be used until they have been repaired.
- ▶ If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similar qualified person in order to avoid a hazard.
- ▶ The water generated during washing is suds solution and not drinking water. Drain the suds solution into an appropriate sewage system.
- ▶ Always make sure that the drum is stationary before reaching in to remove laundry. Reaching into a moving drum is extremely dangerous. Danger of injury!

## Warning and Safety instructions

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- ▶ Be careful not to put your hands in the gap between door and frame when closing the drum door.
- ▶ If the dispensing drawer is open and the chute is missing, there is a **risk of scalding due to splashing water**.  
Only operate the machine with all attachments in place!
- ▶ It is particularly important to observe manufacturer's instructions when using a combination of cleaning agents and special application products. Products must only be used for applications approved by the manufacturer to avoid any material damage or the occurrence of strong chemical reactions.

### Technical safety

- ▶ The washing machine must be installed by a Miele authorised installer.
- ▶ Before installing and operating the washing machine, check it for any visible exterior damage. Do not install or operate a damaged washing machine.
- ▶ 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 on-site 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).
- ▶ Unauthorised repairs could result in unforeseen dangers for the user, for which the manufacturer cannot accept liability. Repairs should only be carried out by a Miele approved service technician, otherwise any subsequent damage will not be covered by the warranty.
- ▶ Do not make any alterations to the machine, unless authorised to do so by Miele.
- ▶ The washing machine must be disconnected from the mains electricity supply before any maintenance, cleaning or repair work is carried out. The washing machine is only isolated from the electricity supply when
  - it is switched off at the wall socket and the plug is withdrawn, or
  - the mains fuse is disconnected, or
  - it is switched off at the mains circuit breaker.

For further information see "Installation – Electrical connection".

- ▶ If the control element or the insulation of cables in the washing machine is damaged, the washing machine must not be operated before it is repaired.
- ▶ Only operate the washing machine when all removable outer panels are in place so that it is impossible to touch an electrical component or moving part.
- ▶ In the event of a fault or for cleaning and maintenance purposes, the washing machine must be isolated from the electricity supply. It is only completely isolated if:
  - it is switched off at the wall socket and the plug is withdrawn, or
  - the mains fuse is disconnected, or
  - it is switched off at the mains circuit breaker.
- ▶ For further information see "Installation – Electrical connection".

## Warning and Safety instructions

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- ▶ The plug of the washing machine (if fitted) must be accessible at all times to ensure that the washing machine can be disconnected from the electricity supply at any time.
- ▶ The means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules (AS/NZS 3000).
- ▶ The washing machine may only be connected to the water supply using the new hose set supplied with the machine. Old hoses must not be re-used. Check the hoses regularly for signs of wear. Change the hoses in good time to avoid the risk of leaks and water damage. The water flow pressure must be at least 100 kPa and must not exceed 1000 kPa.
- ▶ Faulty components must only be replaced by genuine Miele original spare parts. Miele can only guarantee the safety standards of the machine when Miele replacement parts are used.
- ▶ If leakages occur, remedy their cause before operating the washing machine again. Immediately disconnect the washing machine from the electricity supply when leaking occurs.
- ▶ In case of malfunctions of the steam heater, temperatures in the area of the drum door, the front of the detergent dispensing drawer and the inside of the drum (especially the drum edge) may be elevated. There is a risk of minor burns.  
This only applies to appliances with steam heating.
- ▶ Please observe the instructions in "Installation".
- ▶ If the washing machine is hard wired, provision must be made on site to switch off all poles from the electricity supply. The disconnection switch must be located in the immediate area around the washing machine, and must always be visible, accessible and easily reachable.
- ▶ If the machine's mains connection cable has been damaged, it must be replaced by the manufacturer or a qualified specialist.
- ▶ If maintenance or replacement of parts is carried out on the machine, the power supply must be disconnected. If it is intended that the mains plug be removed from the socket, the operator must be able to clearly monitor from any access point that the mains plug is still removed.

### Correct use

- ▶ The maximum load (dry laundry)
  - for PW 6163: 16 kg
  - for PW 6243: 24 kg
  - for PW 6323: 32 kg

See the "Programme chart" for the maximum recommended loads for individual programmes.

- ▶ Before using the machine for the first time, ensure that the transit bars have been removed (see "Installation - Removing the transit bars"). During spinning, transit bars which are still in place can cause damage to both the machine and adjacent furniture or appliances.
- ▶ Never try to open the drum door of the washing machine using force. The drum door can only be opened if appropriate information is shown in the display.
- ▶ When washing with high temperatures, remember that the porthole glass and the drum door become hot. Therefore, prevent children from touching the porthole glass and the drum door during washing.
- ▶ Close the drum door after each wash programme. This way you will avoid the danger of
  - children climbing into the washing machine or hiding things in it.
  - Small animals climb into the washing machine.
- ▶ Always close the drum door carefully. There is a risk of crushing and cutting on the hinges of the drum door.
- ▶ It must be possible to open the drum door completely. The opening range of the drum door must not be obstructed by doors or structural conditions.
- ▶ Always make sure that the drum is stationary before reaching in to remove laundry. There is a considerable risk of injury when touching a drum that is still rotating.
- ▶ The procedures and machines listed here are not medical devices. Observe the programme descriptions and procedural notes in the programme chart.
- ▶ Disinfection of the laundry only takes place in the programmes with a disinfection stage. All other programmes do not have a disinfection stage (see programme chart - "Hygiene"). If laundry that has not been disinfected is transferred to the "clean" side of the washing machine, germ transfer or contamination can occur. The transfer of non-disinfected linen to the "clean" side is the sole responsibility of the operator.
- ▶ This washing machine may only be operated without supervision if there is a floor drain (gully) in the direct vicinity of the washing machine.

## Warning and Safety instructions

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▶ Disinfectants and detergents often contain chlorine-containing compounds. If chlorine-containing agents dry on stainless steel surfaces, the resulting chlorides can attack the stainless steel and cause rust. You can protect your washing machine from rust damage by using chlorine-free agents to wash, disinfect and clean the stainless steel surface. If in doubt, have the manufacturer confirm that the product is safe.

If agents containing chlorine get onto the stainless steel surface, the stainless steel surface must be washed off immediately with water. Then dry the stainless steel surface with a cloth.

▶ It is particularly important to observe the manufacturer's instructions when using a combination of cleaning agents and special application products. Products must only be used for applications approved by the manufacturer to avoid any material damage or the occurrence of strong chemical reactions. Confirmation must be sought from the detergent manufacturer that using the agent in the washing machine will not cause damage.

▶ If the correct amount of detergent is dispensed, the washing machine should not need to be descaled. If, however, you do wish to descale your washing machine, only use proprietary non-corrosive descaling agents and strictly observe the instructions on the packaging. Special descaling agent is available from Miele. Strictly observe the instructions for the descaling agent.

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

▶ 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). Damaged components can, in turn, result in damage to the laundry.

▶ Fabrics that have been pre-treated in solvent-based cleaning agents must be thoroughly rinsed in clean water before being placed in the machine. Note that solvent residues may only be discharged into waste water in compliance with local legislation.

▶ Never use solvent based cleaning agents, e.g. those containing benzene, in this washing machine. This may result in damage to component parts and create toxic fumes. **Risk of fire and explosion!**

▶ Do not store chemicals (liquid detergents, additives) on the machine lid. They may cause discolouration or lacquer damage. Accidentally spilled chemicals should be removed from the surface immediately with a wet cloth.

▶ A vent outlet is situated at the rear of the machine. It should never be closed or covered. Observe the minimum distance in the installation plan.

## Warning and Safety instructions

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- ▶ The application-technical recommendation of chemical washing additives does not mean that the appliance manufacturer is responsible for the effects of these additives on the wash load and the washing machine. Note that product changes not disclosed by the manufacturer of these aids may affect the quality of the washing result.
- ▶ Only use dyes, dye removers, and descaling agents suitable for use in a washing machine. The manufacturer's instructions on the packaging must be observed.
- ▶ Dye removers contain sulphur compounds which can cause damage such as corrosion. Dye removers must not be used in the washing machine.
- ▶ Check the washing result for laundry soiled with biological oils or greases. Inadequately washed laundry can cause spontaneous combustion during the drying process. Use special detergents or wash programmes for such laundry.
- ▶ Do not use a pressure washer or hose to clean the washing machine.

### **Chlorine and component damage**

- ▶ Frequent use of chlorine products increases the risk of damage to components.
- ▶ The use of substances containing chlorine, such as sodium hypochlorite and chlorine bleach in powder form, can however result in damage to the protective layer of stainless steel and corrosion on components. Therefore, refrain from using agents containing chlorine. Use oxygen-based bleaching agents instead.

If, however, chlorine bleaching agents are used, an anti-chlorine treatment must always be carried out. Otherwise, the washing machine components and the load may suffer lasting and irreparable damage.

- ▶ Anti-chlorine treatment must be carried out immediately after chlorine bleach has been used. Hydrogen peroxide and oxygen-based detergents and bleaching agents are suitable for anti-chlorine treatment. The suds must not be drained in between.

Treatments with thiosulphates can result in gypsum-like deposits, particularly in combination with hard water. This gypsum can build up in the washing machine or cause incrustations on the laundry. Treatment with hydrogen peroxide is recommended over treatment with thiosulphates because hydrogen peroxide neutralises chlorine.

The exact dispensing quantities and the treatment temperatures required must be set and tested on site in accordance with the dispensing recommendations of the detergent and additive manufacturers. The laundry must also be tested to check whether it contains any active chlorine residues.

## Warning and Safety instructions

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### Accessories

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

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

### Disposing of your old appliance

▶ Ensure that the door locks are unusable when disposing or scrapping old washing machines. This way you will prevent the risk of playing children accidentally locking themselves in and endangering their lives.

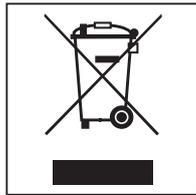
### Disposal of the packing material

The packaging is designed to protect the washing machine 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. 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.

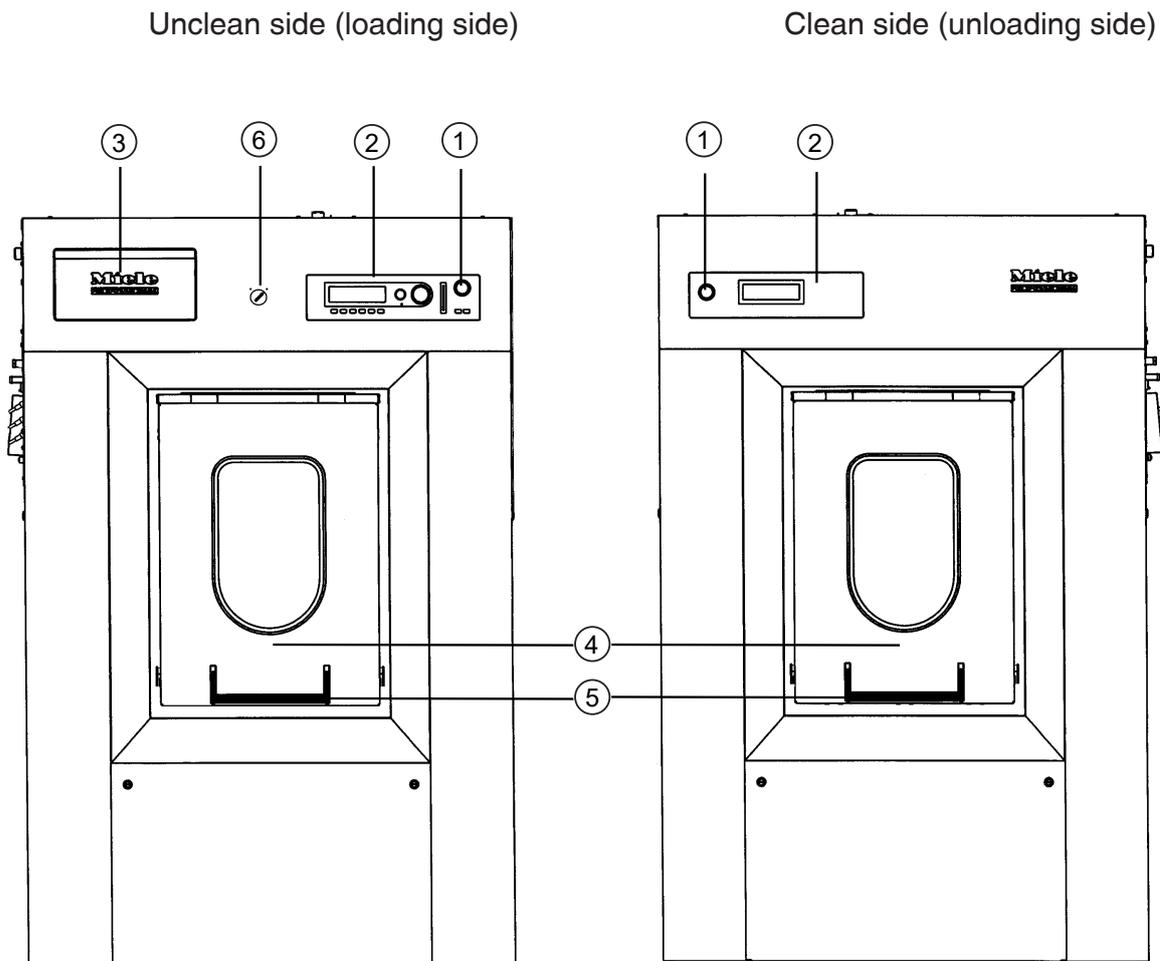
## Caring for the environment

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### Energy saving tips

- Energy and water consumption** - To get the most out of your machine, load the **maximum** dry load for the programme you are using.  
The most efficient use of energy and water is achieved when a full load is washed.
- Detergent**
- Do not exceed the amounts of detergent recommended by the manufacturer on the packaging.
  - Reduce the amount of detergent for smaller loads.
- 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.

## Guide to the appliance



① **Emergency stop switch**

Pressing the red switch switches the machine off in an emergency.

② **Control panel**

③ **Detergent dispenser drawer**

④ **Top-hinged door:**

The top-hinged door is opened by pulling up the door handle and closed by pushing down the door handle. Never open the top-hinged door by force.

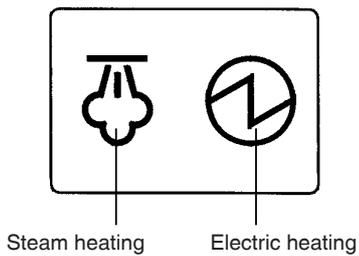
⑤ **Door handle**

The door handle is equipped with a safety device. When the wash programme is running and the door is locked, the door handle can be pulled up but the top-hinged door remains locked. Push the door handle down again and wait for the programme to end. Then open the top-hinged door again.

## Guide to the machine

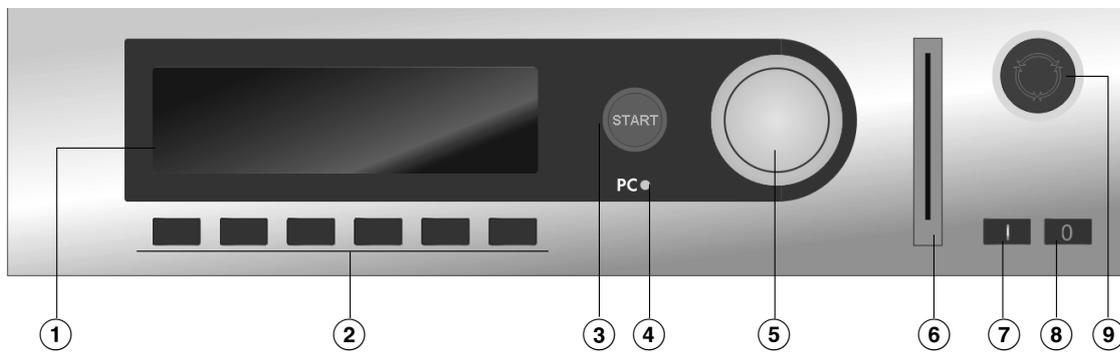
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### ⑥ Switch for heating mode (depending on model)



The switch can be used to switch between the heating modes "steam heating" and "electric heating".

### Operating elements - unclean side (loading side)



#### ① Display

#### ② Function buttons

Depending on the washing machine status, certain functions are assigned to these buttons. The current function of the buttons is indicated by symbols in the display. If a function has been selected via the buttons, the corresponding symbol remains highlighted in the display.

By reprogramming "Direct button allocation" the first 6 programmes in the programme list can be selected using buttons 1–6.

#### ③ Start button

When a selected programme is ready to start, the ring light flashes. The selected programme starts when the **Start** button is pressed.

If you press the **Start** button after the programme start, the display content is shown as before the programme start.

#### ④ PC optical interface

Using PC software, data can be transmitted to and from the controls to a PC. The connection is made via the optical interface of the control panel.

#### ⑤ Rotary selector

Display selection fields and input fields can be selected by turning the rotary selector.

By pressing the rotary selector, display selection fields or input fields can be released for modification and confirmed after modification.

### ⑥ Card reader

When a programme card is inserted into the card reader, washing can be performed using the programmes stored on the card. Always insert the programme card in the direction of the arrow.

### ⑦ **1** button

For switching on the washing machine

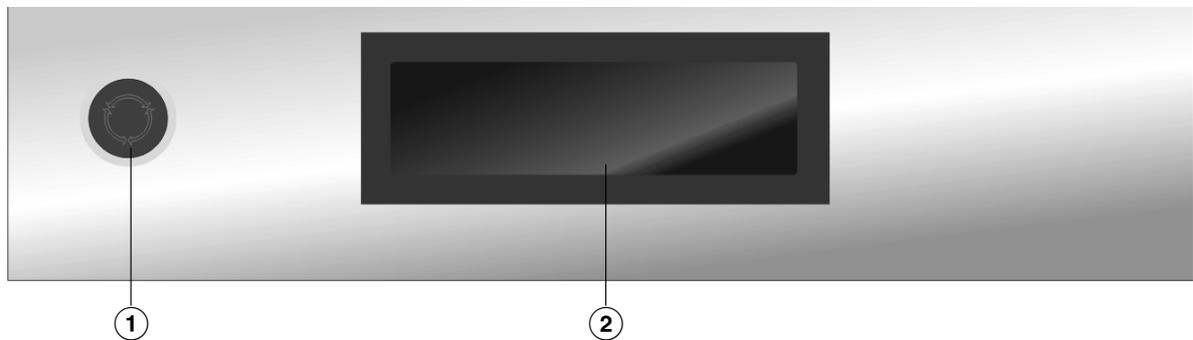
### ⑧ **0** button

For switching off the washing machine

### ⑨ Emergency stop switch

Press only in case of danger. The machine is switched off by pressing the red emergency stop button. After the danger has been eliminated, the switch can be released by turning it to the right.

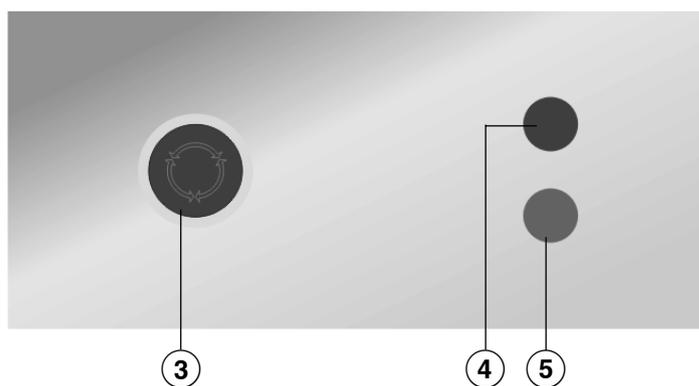
## Controls - clean side (unloading side, full version)



### ① Emergency stop switch

### ② Display

## Operating elements - clean side (unloading side without display)



### ③ Emergency stop switch

### ④ Red "Programme stop" indicator light

Lights up in the event of a programme stop or a programme stop caused by a fault or when peak load control is active.

### ⑤ Green "End of programme" indicator light

# Guide to the machine

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## Function buttons

The function is activated by pressing the button and deselected by pressing the button again.

### **Stop/Finish**

The right-hand function button is used as the finish button after a programme has started. When pressed, the selected programme is stopped or a stopped programme is terminated.

### **Block+**

The corresponding programme block (e.g. Pre-wash) is added to the programme.

### **Starch stop**

Press the button to starch the laundry.

### **Without spin**

Press this button if you do not want the machine to spin automatically after the rinse cycle.

### **Changing the language**

Another language can be temporarily selected by pressing this button.

### **Start date and time**

If the button is pressed before the programme start, a later programme start time can be selected.

### **Info**

If information (e.g. the telephone number of Miele customer service) was stored during commissioning, the information is shown in the display by pressing the button.

### **Water drainage**

### **Manual control**

By pressing the button, washing functions can be performed manually without having to start a programme.

### **Skip**

By pressing the button, the programme time of the currently running washing programme can be shortened or a programme block can be repeated.

### **Back**

Press the button to return to the previous display menu.

### **Reference to following/preceding line**

### **Save**

Pressing the button saves a setting that has been made.

### **Program locked**

A locked programme can no longer be stopped and cancelled by pressing the  button after a programme running time of 1 minute.

## **Programme unlocked**

Pressing the button unlocks a locked programme.

## **Dispensing**

## **Dispensing switched off**

## **Operating data**

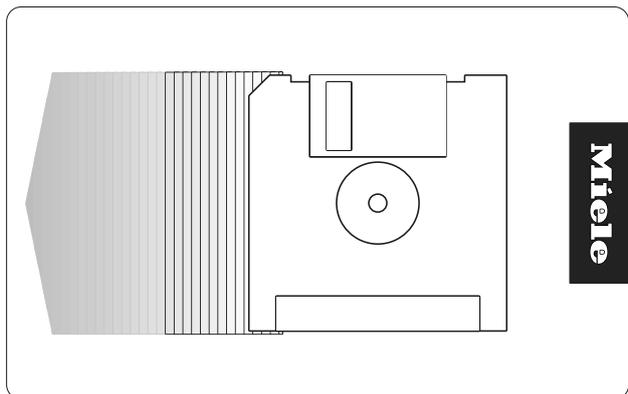
## **Tare**

Pressing the button will zero the weight on the scale of the weighing system. Use this button with an empty drum when the load indicator is not at 00.0.

## **Programme card for the operator**

There are no programmes on this card ex-works. Please refer to the programming instructions for information on how data is transferred from the controls to the card.

If a card with saved programmes is placed in the card reader before the programme is started, the controls no longer access the internal programme memory. The content of the card is read and displayed in the display as a programme list with the indication Card operation.



The card can hold a maximum of 30 programmes consisting of 6 blocks each. The back of the card can be labelled.

## Using for the first time

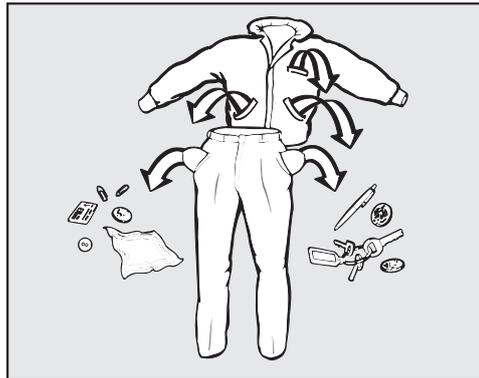
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⚠ Damage resulting from incorrect installation and connection. Installing and connecting the washing machine incorrectly will cause serious damage to property. The washing machine must be installed by a Miele authorised installer. Please observe the instructions in “Installation”.

The machine must be commissioned by a Miele service technician or a technician authorised by Miele.

## Preparing the laundry

### Emptying pockets



- 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.

### Maximum load

Observe the maximum load quantity (dry laundry) for your washing machine. The most efficient use of energy and water is achieved when a full load is washed. However, do not overload as this reduces cleaning efficiency and causes creasing.

PW 6163	PW 6243	PW 6323
≤ 16 kg	≤ 24 kg	≤ 32 kg

## Switching on the washing machine

- Open the on-site shut-off valves for water and, depending on the heating variant, steam.
- Switch off the on-site main switch.
- Press the **I** button.

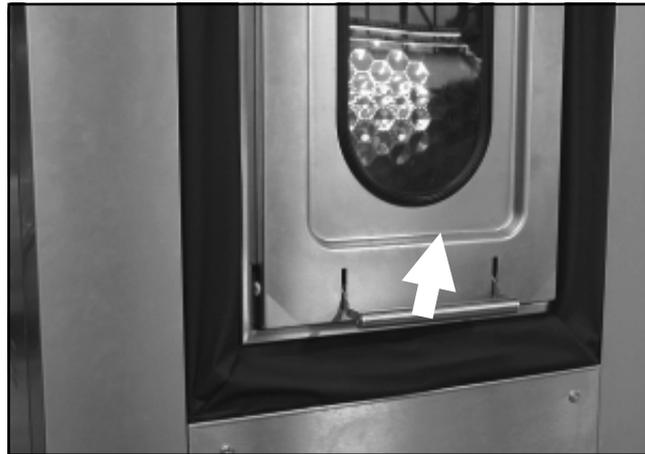


The welcome screen will appear in the display.

The programme list is then displayed. The last started programme is highlighted.

## Loading the washing machine

### Opening top-hinged door



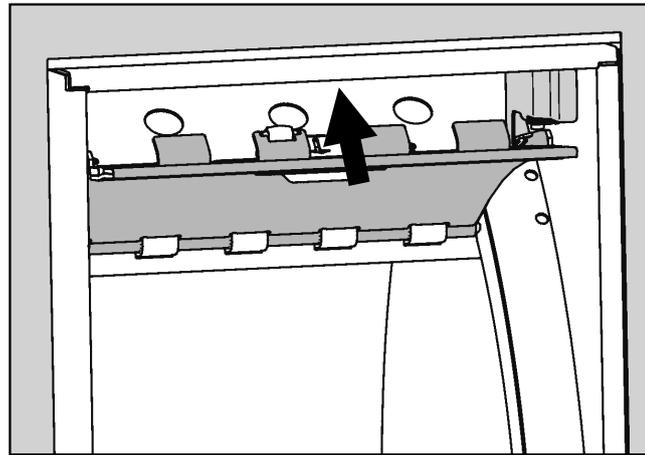
- Pull up the door handle on the unclean side of the washing machine (loading side).
- Pull the top-hinged door upwards.

The gas struts push the top-hinged door upwards.

### Open drum



- Press the locking device with your thumb.
- Press the two drum door halves simultaneously until the drum door halves are unlocked.
- Fold the two halves of the drum door outwards.



- Press the upper half of the drum door into the catch at the top of the door.

## Loading the laundry

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

- Unfold the laundry and load loosely in the drum.

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

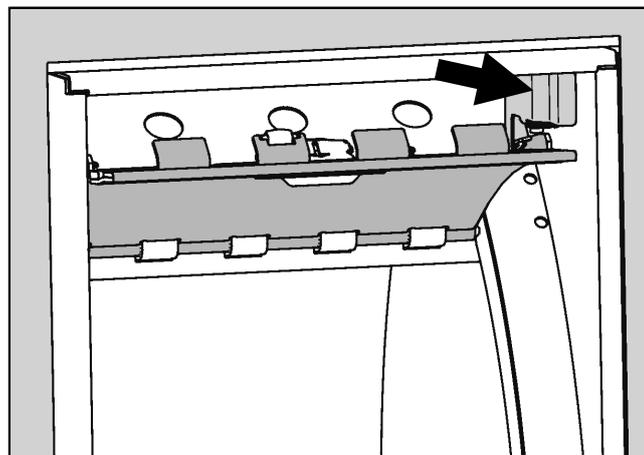
- Please note the maximum load size for different wash programmes. The relevant load size is always shown in the display when you select a programme.

## Closing the drum

⚠ Damage due to unsealed drum.

If the following procedure is not followed, the drum may open during the wash programme and cause damage.

Make sure that the drum is properly closed before starting a wash programme.



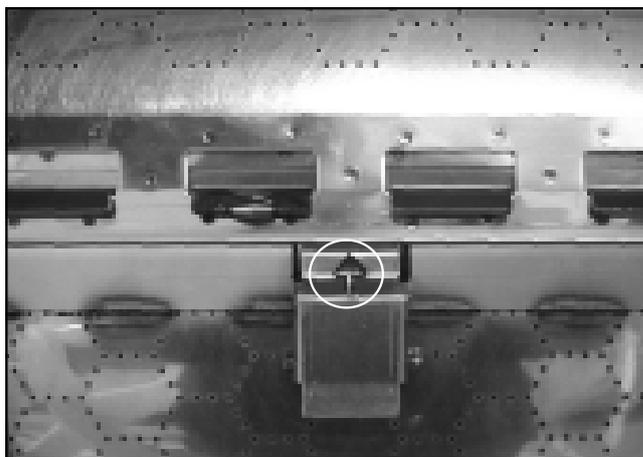
- Release the upper half of the drum door from the lock.

Be careful not to trap any items in the drum when closing it.

## Washing

---

- First close the lower half of the drum door with the locking device.
- Then close the upper half of the drum door until the locking hooks grip and engage.



The arrow must be fully visible on the locking device. Only then is the drum door properly closed.

### Closing top-hinged door

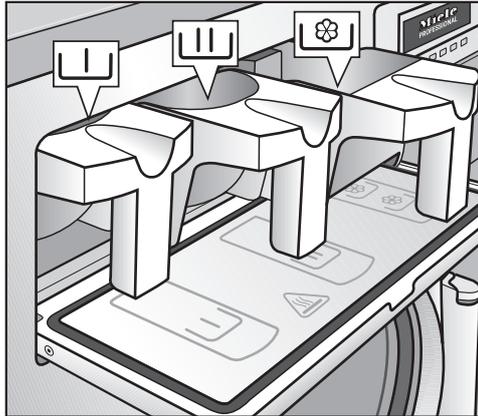
It is essential that the top-hinged door on the clean side is closed again after unloading.



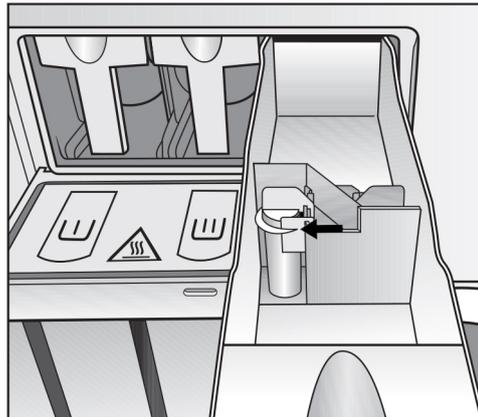
- Fold down the top-hinged door on the clean side with both hands on the door handle.
- Push the door handle down.

## Adding detergent

- Open the detergent dispenser drawer.



- Pull out the required detergent dispenser compartments and fill with the appropriate detergent:
  -  Detergent for the pre-wash
  -  Detergent for the main wash and soaking
  -  (front compartment) Fabric softener, liquid starch

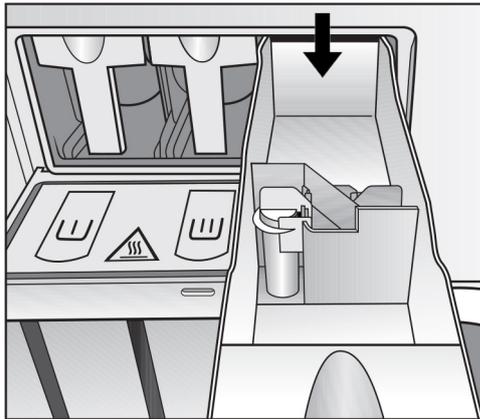


- Do not fill the washing additive beyond the marking in the dispenser compartment  as the washing additive will otherwise run into the suds container.
- Add more liquid detergent to the rear compartment of the dispenser compartment  (if programmed).

# Washing

## Bleaching agent

Only textiles marked with the care symbol  $\triangle$  may be bleached.



Liquid bleach may only be poured into the rear compartment of the dispenser compartment . Only then can it be guaranteed that the bleaching agent will be dispensed automatically during the 2nd rinse. The use of liquid bleaching agents for coloured laundry is only safe if the textile manufacturer expressly permits bleaching on the care label.

For bleaching, a 3rd rinse cycle must also be programmed (see programming instructions).

 Damage caused by bleach with chlorine.  
Frequent use of chlorine products increases the risk of damage to components.

Only use dyes, dye removers, and descaling agents suitable for use in a washing machine. The manufacturer's instructions on the packaging must be observed.

## Detergent dispensing

Always make sure that you use the correct dosage of detergent. Adding too much detergent will lead to excessive foaming.

Follow the detergent manufacturer's instructions and do not use strong foaming detergents.

The correct dosing quantity depends on:

- the amount of laundry
- the degree of soiling of the laundry
- the water hardness

Water hardness range	Water characteristic	Overall hardness (mmol/l)	Overall hardness (°d)
I	Soft	0–1.3	0–7
II	Medium	1.3–2.5	7–14
III	Hard	2.5–3.8	14–21
IV	Very hard	> 3.8	> 21

Check with your local water supplier if you do not know the water hardness range in your area.

## Selecting a programme

23	Separate drain		
7	Cottons hygiene	90°C	
8	Cottons universal	60°C	
			

Selected programme (example): Cottons hygiene

- To select the desired programme, turn the rotary selector.

The selected programme is highlighted.

- Press the rotary selector to confirm the selected programme.

The **start** button flashes.

If required, you can now select additional functions or make programme adjustments. Otherwise, you can start the programme immediately without any further adjustments by pressing the **start** button.

## Additional functions

### Selecting Pre-wash

- To select the Pre-wash additional function, press the + function button.



The symbol + is highlighted.

- If you want to deselect the Pre-wash function, press the + function button again.

### Starching the laundry.

The Starch additional function can be selected for all programmes (with the exception of the Separate spin and Separate drain programmes) before the programme start.

- To select the Starch additional function, press the  function button.

The  symbol is highlighted.

If you want to deselect the Starch function, press the  function button again.

### Adding starch

Before the laundry is starched, a programme stop takes place. The message Prog. stopped. Starch stop pressed..The door can be opened will appear in the display.

- Prepare the starch according to the manufacturer's instructions. Dilute the starch with water if necessary.
- Pour the starch prepared according to the manufacturer's instructions into the front compartment of the dispenser compartment . Alternatively, you can open the top-hinged door and add the starch directly into the drum. After adding starch, close the drum and the top-hinged door.
- Press the Start button.

The programme will continue. The washing time is automatically extended by about 4 minutes by the Starch additional function.

### Deactivating the spin cycle

- To switch off the automatic spin cycle after the rinse cycle, press the  function button.

The  symbol is highlighted.

- If you want to reactivate the Spin function, press the  function button again.

### Setting a start time

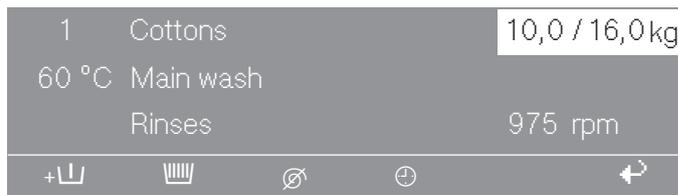
The  function button can be used to set an individual start time for a wash programme.

### Setting the start time

- Select the programme required.

# Washing

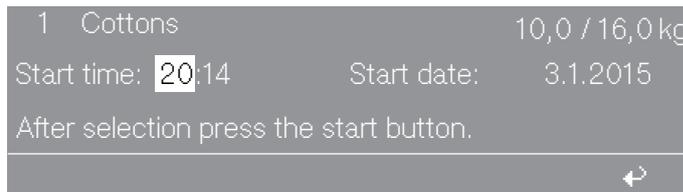
After you have selected the programme, the following display message is shown, for example:



Example display after programme selection

- Press the  button.

You can now set the start time and start date for the programme. The current time and date are preset. The "Hour" input field is highlighted.



Display example with highlighted "Hour" input field

- Press the rotary selector.

The "Hour" input field can now be changed via the rotary selector.

- Turn the rotary selector until the desired value is reached.
- Press the rotary selector to confirm your selection.

You can then change the number of minutes if required.

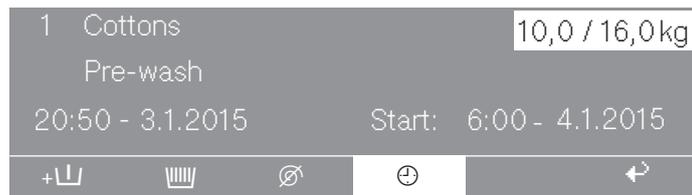
- Turn the rotary selector until the "Minutes" input field is highlighted and press the rotary selector.
- Turn the rotary selector until the desired value is reached.
- Confirm the selected number of minutes by pressing the rotary selector.

The start time is now set.

Setting the start date

- Turn the rotary selector until the "Start date day" input field is highlighted and press the rotary selector.
- Turn the rotary selector until the desired day is reached.
- Press the rotary selector to confirm.
- If necessary, also change the month and year with the rotary selector.
- Press the start button.

The display shows the current time and date on the left-hand side and the set start date of the programme on the right-hand side.



Display example after set start date

If the top-hinged door is opened after setting the start time, the Start button must be pressed again.

Undoing the start date function

- To cancel the start date function, press the ⊕ function button or the ↶ function button.

The changed settings for the start date are not adopted.

# Washing

## Temporarily changing the language

The display language can be changed temporarily via the flag symbol before starting the programme.

The language selected is reset 5 minutes after the end of the programme when the door is opened.



- Press the  button.

The following display content is shown:



- Confirm the Language menu option by pressing the rotary selector.



- To select the desired language, turn the rotary selector.

The selected language is highlighted.

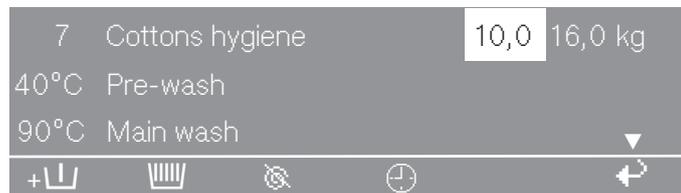
- Press the rotary selector to confirm the new display language.

The display is shown in the newly selected language.

## Programme adjustments

### Changing the fill weight

Before starting the programme, the load quantity can be changed manually.



Display with "Fill weight" input field highlighted

- Turn the rotary selector until the "Fill weight" input field is highlighted.
- Press the rotary selector to confirm.

The fill weight can now be changed with the rotary selector.

- Turn the rotary selector to change the fill weight.
- Press the rotary selector to confirm the set fill weight.

### Changing the temperature



Display with highlighted "Temperature" input field

- Turn the rotary selector until the "Temperature" input field is highlighted.
- Press the rotary selector to confirm.

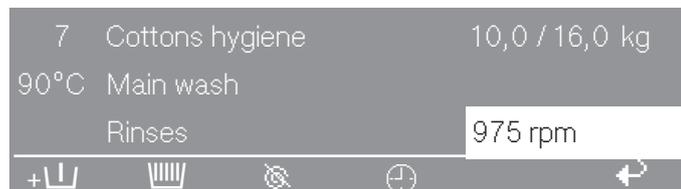
The temperature of the wash programme can now be changed using the rotary selector.

- Turn the rotary selector until the required temperature has been set.

The temperature can be set in 1 °C intervals from 15–95 °C or to "Cold".

- Press the rotary selector to confirm the set temperature.

### Changing the spin speed



Display with highlighted "Spin speed" input field

- Turn the rotary selector until the "Spin speed" input field is highlighted.
- Press the rotary selector to confirm.

The spin speed can now be changed using the rotary selector.

# Washing

- Turn the rotary selector until the desired spin speed is set.

Depending on the machine type, the spin speed can be changed in 25 rpm steps from 300 rpm to a maximum of 1025 rpm (PW 6323) or 975 rpm (PW 6243/6163).

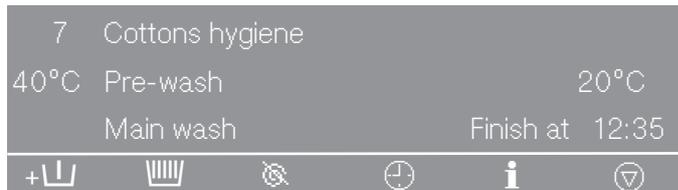
- Press the rotary selector to confirm the set spin speed.

## Starting a programme

When the start button flashes, the programme can be started.

- Press the start button.

The door will lock and the wash programme will start.



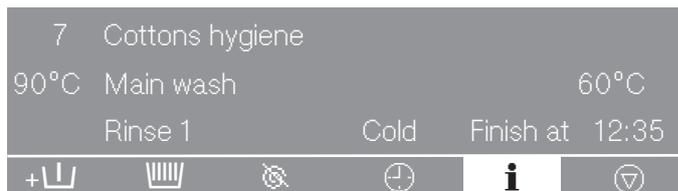
Display after programme start (example)

The programme status will appear in the display.

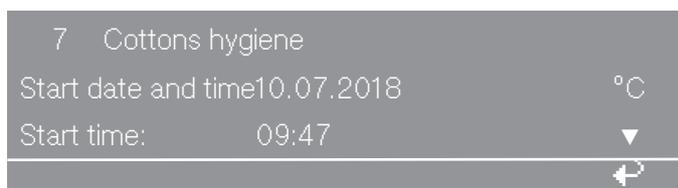
The current wash programme is shown in the second display line (in the upper picture "Pre-wash"). Next to it, the current suds temperature appears on the right-hand side (in the upper picture "20 °C").

The third line of the display shows the following wash programme (in the upper picture "Main wash"). Next to it, the estimated time at the end of the programme is displayed on the right-hand side (in the upper picture "12:35").

## Displaying additional programme information



- To display additional information about the wash programme, press the **i** function button.



Display after pressing the **i** function button (example 1)

Time after start	7	
Time left	10.07.2018	°C
Time after start	09:47	▼
		↶

Display after pressing the **i** function button (example 2)

- To return to the programme status, press the  function button.

## At the end of the programme

Depending on the selected wash programme, the laundry can be removed either on the clean side or on the unclean side.

In locked wash programmes, the laundry can only be removed from the clean side.

### End of programme (removal on unclean side)

At the end of the programme, the display shows the message that the laundry can be removed on the unclean side.

7	Cottons hygiene
Programme finished	
Unload drum - UNCLEAN SIDE	
⊕  ↶	

Display after end of programme (example)

### End of programme (removal on clean side)

Locked wash programmes always end on the clean side.

At the end of the programme, the display shows the message that the laundry can be removed on the clean side.

2	Thermal disinfection RKI
Programme finished	
Unload drum - CLEAN SIDE	
⊕  ↶	

Display after end of programme (example)

### End of programme (clean side without display) Opening the top-hinged door at the end of the programme

The green indicator light flashes at the end of the programme. A buzzer sounds at the same time.

- Pull the door handle upwards.
- Pull the top-hinged door upwards.

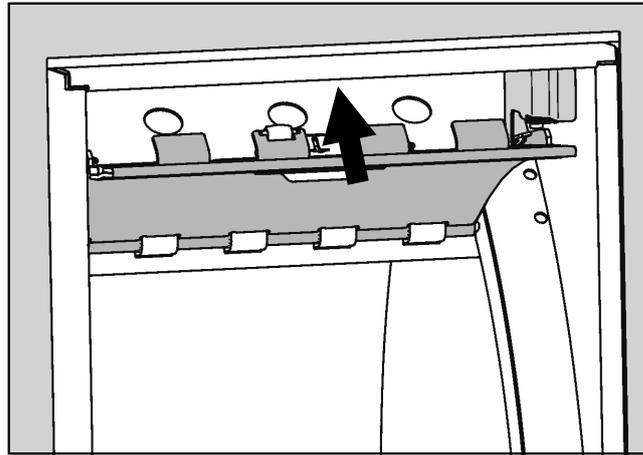
The gas struts push the top-hinged door upwards.

# Washing

## Open drum



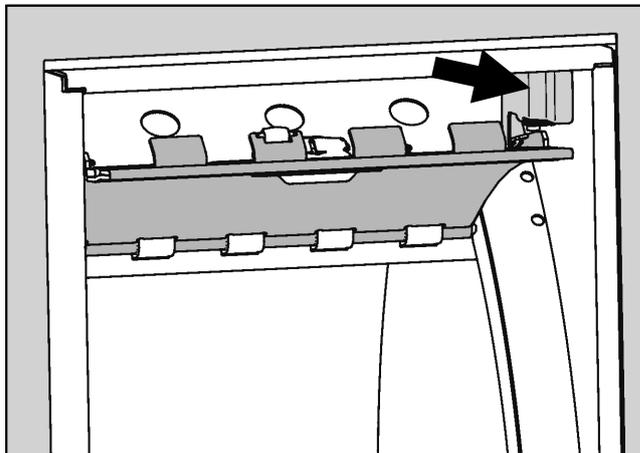
- Press the locking device with your thumb.
- Press the two drum door halves simultaneously until the drum door halves are unlocked.
- Fold the two halves of the drum door outwards.



- Press the upper half of the drum door into the catch at the top of the door.

## Removing laundry and closing the drum

- Remove the laundry from the drum.



- Release the upper half of the drum door from the lock.

- First close the lower half of the drum door with the locking device.
- Then close the upper half of the drum door until the locking hooks grip and engage.

## Closing top-hinged door

It is essential that the top-hinged door on the clean side is closed again after unloading.



- Fold down the top-hinged door on the clean side with both hands on the door handle.
- Push the door handle down.

When the top-hinged door is closed on the clean side, the drum automatically moves to the unclean side.

## Position the drum door on the clean side

The Drum locating programme can be used to manually transfer a laundry item in the drum to the clean side. However, the operator is responsible for ensuring that the laundry is hygienically safe.

- Start the Drum locating programme.

The drum door is turned from the unclean side to the clean side and locked.

## Finishing cancelled programmes

Carry out the following steps if a wash programme has been cancelled with water in the drum or during the spin cycle. In this case, the display messages Programme finished. Water in the drum. or Programme finished. Drum still rotating. are shown.

## Removing water from the drum

- When the display message Programme finished. Water in the drum. appears, press the  function button. Otherwise, you can skip this step.

The water drains from the machine.

## Starting an additional spin programme

- Selecting the Separate spin programme.
- Press the start button.

The washing machine runs the spin programme.

## Washing

---

The programme ends on the unclean side.

### Switching off the washing machine

To allow the washing machine to dry out after use, do not close the top-hinged door of the unclean side after washing.  
Just leave the top-hinged door ajar after washing.

- Switch off the washing machine by pressing the **0** button.
- Switch off the on-site main switch.
- Close all on-site supply valves for water or steam.

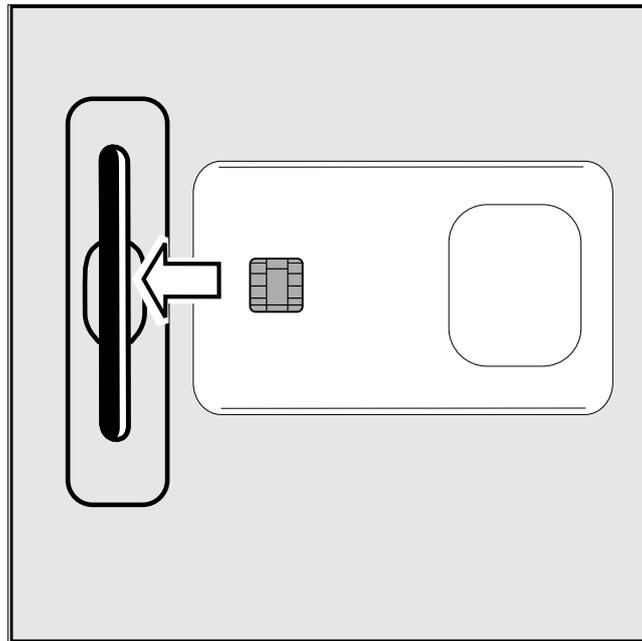
### Wash with programme card

Cards on which a programme is located are matched to a type of washing machine. Blank cards can be used in any machine.

⚠ Damage caused by the insertion of unsuitable objects.  
The card reader can be damaged if other objects (e.g. coins or tokens) are inserted into the card reader.  
Only insert suitable programme cards into the card reader.

- To switch on the washing machine, press the **I** button.

The welcome screen will appear in the display.



- Insert the card into the card reader.

A list containing the programmes on the card now appears in the display.

- Select the desired programme by turning the rotary selector.

The selected programme remains highlighted.

- Press the rotary selector to confirm.

The **Start** button flashes.

- Press the **Start** button to start the programme.

Once the **Start** button has been pressed, the programme card can be removed from the card reader. The programme will be deleted at the end of the programme.

### Selecting a programme

## Washing by card operation

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### Rectifying a card error

Card errors are indicated by a corresponding display message.

If the display shows the message `Card incorrectly inserted in card reader.`, the card has been inserted into the card reader the wrong way round.

- Pull the card out of the card reader.
- Insert the card facing the correct way into the card reader.

If the display shows the message `Programmes on the card are not suitable for this machine type.`, a card for another machine has been inserted into the card reader.

- Pull the card out of the card reader.
- Use a card with programmes that are suitable for your machine.

### Laundry load operation

Laundry loads that require a special wash programme are assigned a programme card containing only the programme designed for the specific laundry load.

In the Supervisor level, the laundry load operation can be activated via the `Card access` menu option.

When the `Card access` menu option is activated, the controls will only accept cards that contain a laundry load programme. The programmes saved on the machine can no longer be accessed.

### Temporarily changing the language

The display language can be changed temporarily via the flag symbol before starting the programme.

The language selected is reset 5 minutes after the end of the programme when the door is opened.

1	Cottons hygiene	90°C	
2	Cottons universal	60°C	
3	Cottons intensive	60°C	
			

- Press the  button.

The following display content is shown:

Settings	Back 	
Main menu	Language 	
	Supervisor level	
		

- Confirm the Language menu option by pressing the rotary selector.

Settings	dansk	
Language 	english (GB)	
	english	
		

- To select the desired language, turn the rotary selector.

The selected language is highlighted.

- Press the rotary selector to confirm the new display language.

The display is shown in the newly selected language.

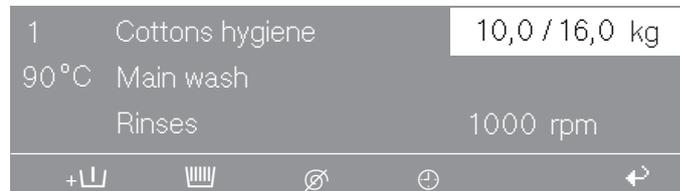
## Additional functions

### Start time

A later wash start time can be allocated to a programme using the ⌚ "Start time" button.

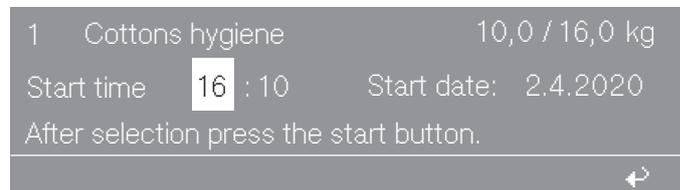
Setting a start time ■ Select the programme required.

When a programme has been selected, the following (for example) appears in the display:



■ Press the ⌚ "Start time" button.

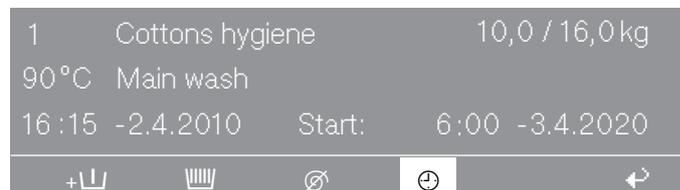
The following (for example) will appear in the display:



The current time and date always appear. The entry field for hours is highlighted.

- Select the hour by pressing the rotary selector. Turn the rotary selector to change the hour and confirm by pressing the rotary selector.
- Turn the rotary selector to select the "Minutes" field and confirm. Turn to change the minutes and press to confirm.
- Turn the rotary selector to select and confirm the "Start date day" input field. Turn to change the day and press to confirm.
- Change the month and year if required.
- After setting the desired start date, press the "START" button. The programme is started at the set time.

The display shows the current time and date and the start time.



If the drum door is opened again, the "START" button must be pressed again.

### Cancelling the start time

■ Press the ⌚ "Start date and time" button or the ↶ "Back" button.

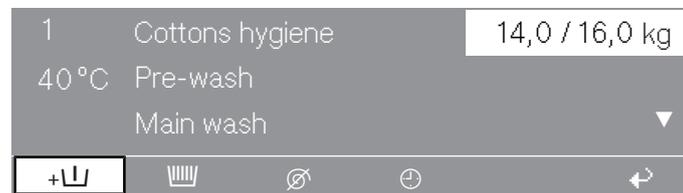
The changes will not be saved.

### With Pre-wash

For heavily soiled laundry, a Pre-wash can be added before the programme start in the standard programmes 1 to 10.

- Press the + "Block+" button.

The following will appear in the display:



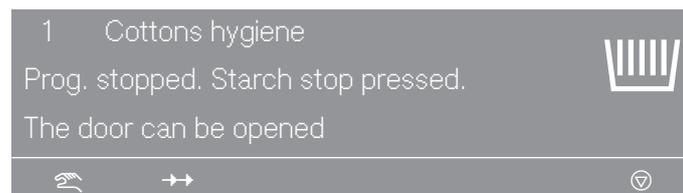
The "+" field is highlighted in the display.

**Useful tip:** The function can be deselected by pressing the + "Block+" button again.

### Filling via the dispenser compartment

Starching can be selected in all standard programmes (except Extra Spin and Extra Drain) before the start of the programme by pressing the  "Starch stop" button. The  field will be highlighted in the display.

The function can be deselected by pressing the button again.



If the programme step "Starch stop" is reached, Prog. stopped. Starch stop pressed. flashes in the display.

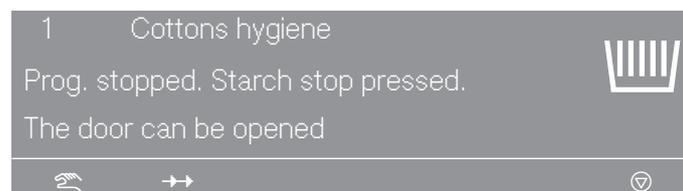
Prepare the starch according to the manufacturer's instructions and add to the inflowing water via the front  dispenser compartment. If necessary, dilute the starch with water. The wash time will automatically be increased by 4 minutes.

The programme is continued by pressing the "START" button.

### Adding directly to the drum

When the "Starch stop" programme stage is reached, open the drum door and add the starch prepared according to the manufacturer's instructions. Close the drum door

The following message will appear in the display again:



Press the "START" button and the programme continues.

## Additional functions

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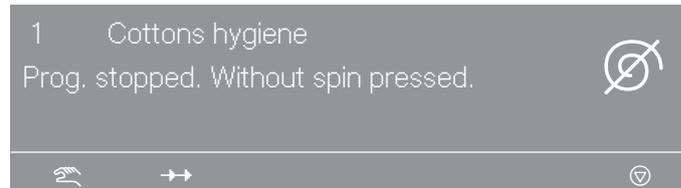
### Without spin

"Without spin"  can be selected in all standard programmes (except Extra spin) before the programme start.

- Press the "Without spin" button.

The  field will be highlighted in the display.

**Useful tip:** The function can be deselected by pressing the button again.



When the "Without spin" programme stage is reached, Prog. stopped. Without spin pressed. will flash in the display.

- End the programme without a spin cycle and with Water in the machine by pressing the  "Stop/Finish" button.

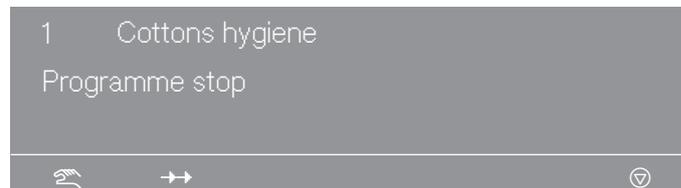
**Useful tip:** The programme can be continued with a spin cycle by pressing the "START" button.

### Programme stop

To stop the programme:

- Press the  "Stop/Finish" button to stop the programme.

The programme is stopped.



**Useful tip:** The programme can be continued by pressing the "START" button.

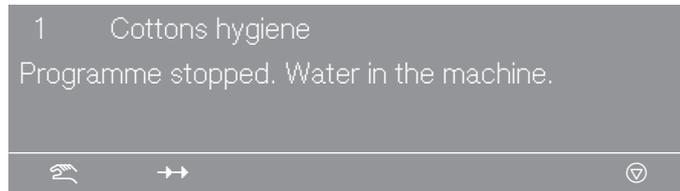
### Programme cancellation

The programme can be cancelled as follows:

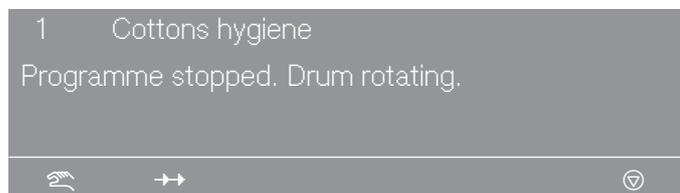
- Press the  "Stop/Finish" button twice in succession.

The programme is cancelled.

If the programme is interrupted when there is water remaining in the machine or during a spin, the following will appear in the display:



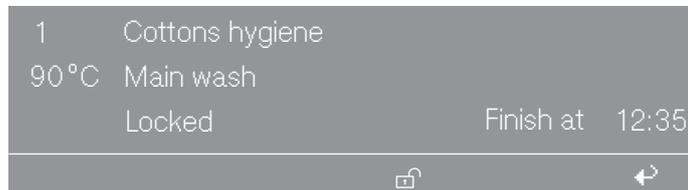
or



**Useful tip:** To open the door, select the "Water drainage"  button or select the "Separate spin" programme and press "START".

### Cancelling a locked programme

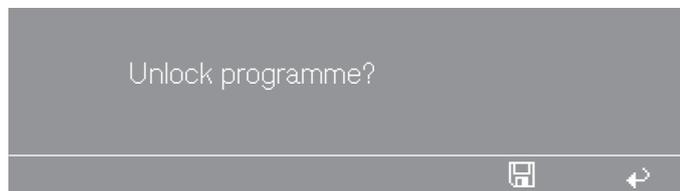
It is not possible to stop or cancel a locked programme.



The display will show the locked state if an attempt is made to cancel the programme by pressing the  "Stop/Finish" button.

- Press the  "Unlock" button and enter the password.

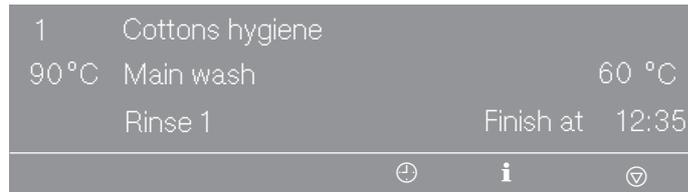
When the password is entered, the following appears in the display:



- Press the  "Save" button.

The normal display content will appear and the programme can now be cancelled.

## Additional functions

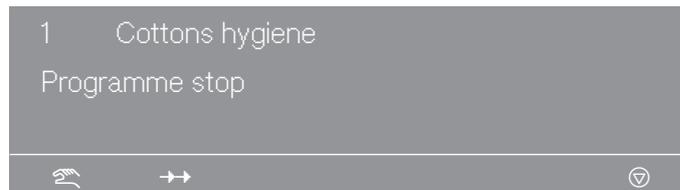


### Skipping a programme

The current programme can be shortened (skipped) or programme blocks can be repeated.

- Press the ⊖ "Stop/Finish" button.

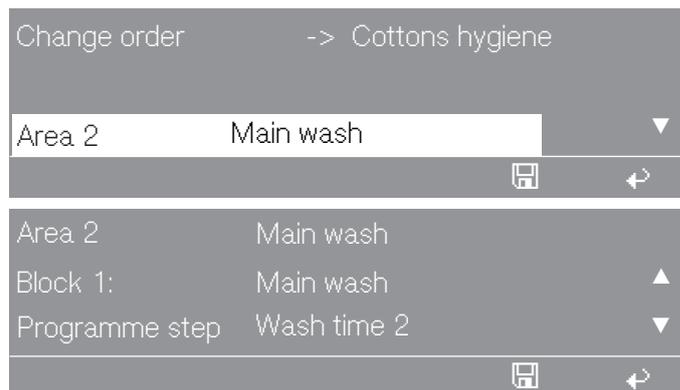
The programme is stopped.



- Press the →→ "Change order" button.

The current area, block or stage appears in the display.

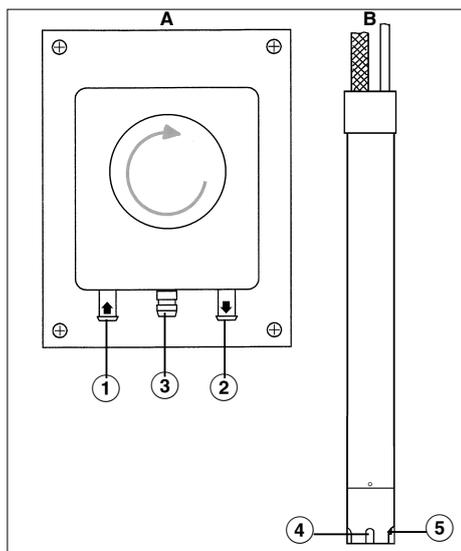
**Useful tip:** See "Programme structure" for more information.



- Turn the rotary selector to highlight Section and press to confirm.  
Select and confirm sections: 1 Pre-wash, 2 Main wash, or 3 Rinse.
- Turn the rotary selector to highlight Block and press to confirm.  
Select and confirm blocks: 1–10 Pre-wash, 1–10 Main wash, or 1–10 Rinse.
- Turn the rotary selector to highlight Stage and press to confirm.  
Select and confirm the required programme stage.
- By pressing the ⊞ "Save" button and then "START", skipping is carried out.

**Useful tip:** Pressing the ↶ "Back" button will skip to the programme stop and the Change order will not be carried out.

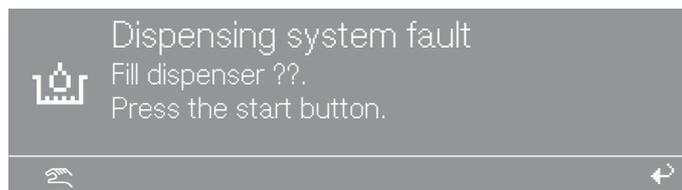
### Liquid dispensing



A Dispenser pump

B Siphon

- ① Hose connection (suction side)
- ② Hose connection (pressure side)
- ③ Leakage outlet
- ④ Suction inlet opening
- ⑤ Level sensor for level indicator. When the dispenser container is empty, the pump and the machine switch themselves off.



At the same time, the washing machine signals a lack of liquid dispensing agent. After filling the dispensing container, the programme can be continued by pressing the "START" button.

### Deselecting dispensing

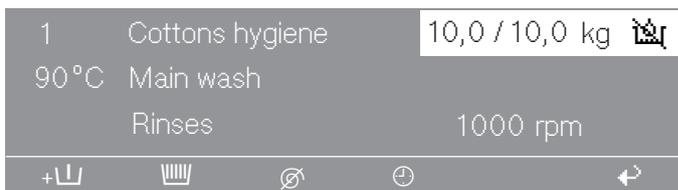
Liquid dispensing can be switched off manually before the programme starts.

1	Whites	90 °C
2	Cottons	60 °C
3	Cottons Intensive	60 °C

- Switch liquid dispensing off manually using the “Dispensing off” function button.

## Optional modules (depending on country)

- After the programme has started, no detergent will be dispensed via the dispenser pumps and the following message (for example) will be displayed:



### Amount to be dispensed

Please follow the detergent manufacturer's instructions.

**⚠ Danger of injury!**  
Strong chemical reactions and material damage.  
It is particularly important to observe manufacturer's instructions when using a combination of cleaning agents and special application products. Products must only be used for applications approved by the manufacturer to avoid any material damage or the occurrence of strong chemical reactions. Confirmation must be sought from the detergent manufacturer that using the agent in the washing machine will not cause damage.

**Useful tip:** Correct dosage also depends on the viscosity of the liquid agent. It should therefore be allowed to settle to room temperature before being used.

### Commissioning the dispenser pumps Dispenser calibration

Before the liquid dispenser pumps can be used, the liquid detergent must be drawn into the system and the amount to be dispensed set.

Dispenser calibration is used to measure the throughput of the individual dispenser pumps.

To go directly to Dispenser calibration when the machine is switched off:

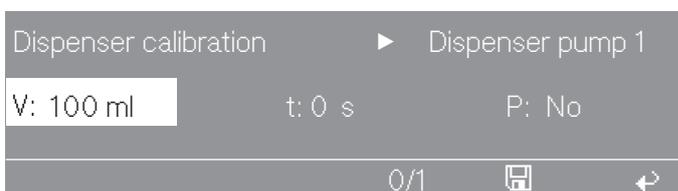
- Press and hold multifunction button 2 and switch the machine on with I "Mains on".



Options:

- Dispenser pump 1 to 13
- Select a dispenser pump.

When a dispenser pump is selected, the following will appear in the display:



## Optional modules (depending on country)

**Useful tip:** The dispensing amount can be set from 0 to 9999 ml in 1 ml increments.

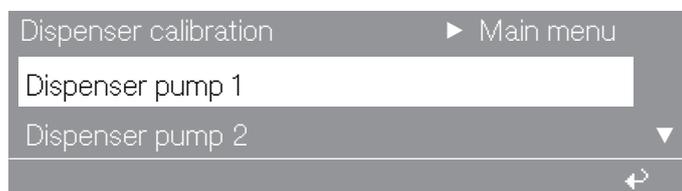
- Press the 0/1 multifunction button.

The dispensing hose will fill up.

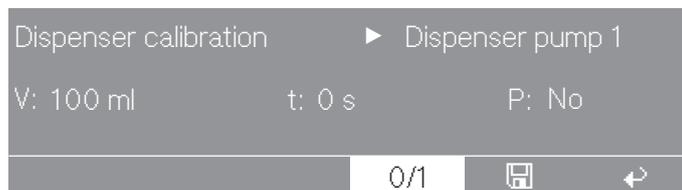
- Stop the process by pressing the 0/1 button.
- Run the hose of the dispenser pump upwards into a measuring vessel.
- Hold the entire measuring vessel above the dispenser pump while doing this.

⚠ Irritant detergents!  
Skin and eye irritation.  
Avoid contact with skin and eyes, wear protective clothing.

- Return to the main menu by pressing  "Back".



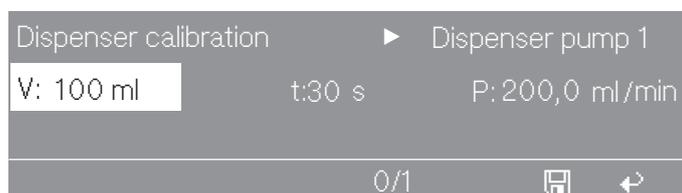
- Select a dispenser pump.



- Press the 0/1 multifunction button.

Stop the pump by pressing the 0/1 button, or the pump will stop automatically after 60 seconds.

- Measure the amount dispensed into the measuring vessel.



- Enter the amount measured in the V: field.

The throughput P is calculated in ml/min by the controls.

- Press the  "Save" button.

The measured value is assigned to the pump.

- Reattach the hose.

## Optional modules (depending on country)

### Cleaning and maintenance of the dispensing system

Rinse the dispensing system through with warm water every 2 weeks, or before shutting the dispenser pumps down for any length of time, to avoid the system getting clogged up and corroded.

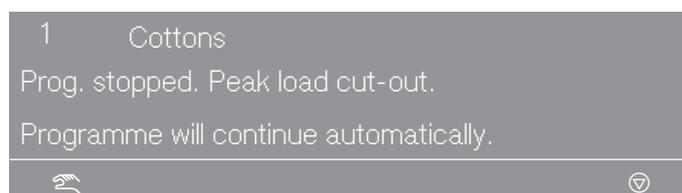
- Also rinse out the siphons with water.
- Put the siphons in a container of warm water (40-50 °C).
- Use dispenser calibration to activate each pump until the dispensing system is rinsed through.
- Check the connection points, hoses, dispensing sockets and washers for leaks.

### Peak load cut-out

When the peak-load function is activated, the heating is deactivated and the programme stopped.

- Activate the peak-load function.

The following message appears in the display:



The programme is resumed automatically when the peak-load function finishes.

### Communication module

The machine can be connected to a PC (personal computer) using the communication module.

The slot for the module is located on the back of the machine.

An Editor programme is available for this from Miele.

### Operating data

The module Operating data can be used to read or delete Operating data before a programme start or after programme end by pressing the  "Operating data" button.

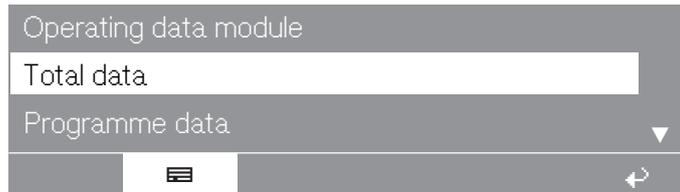
1	Cottons hygiene	90 °C
2	Cottons	60 °C
3	Cottons Intensive	60 °C

The screenshot shows a grey background with white text. At the bottom, there are four icons: a left-pointing arrow, a list icon, a right-pointing arrow, and a right-pointing arrow with a curved arrow.

- Press the  "Operating data" button.

When the  button is pressed, the following appears in the display:

## Optional modules (depending on country)



You have the following options:

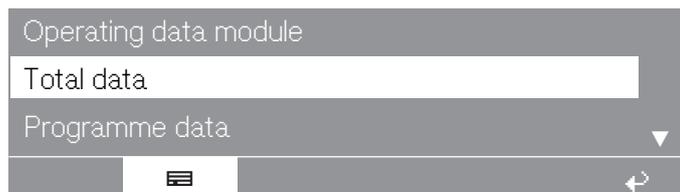
- Total data  
Data from all programmes is collected and added together in Total data.
- Programme data  
Programme data is data which is recorded during the course of a programme.
- Delete data
- Module (delete total data and programme data)
- Total data (only delete total data)
- Programme data (delete Programme data only)

**Useful tip:** The function can be deselected by pressing the  "Operating data" button again.

If the data storage capacity in the Operating data module is full, a message appears when the "START" button is pressed to inform you that Operating data will be overwritten.

**Useful tip:** If the  "Back" button is pressed or if the "START" button is not pressed within 30 seconds, the programme will not start and the display appears as before programme start.

### Total data



- Select the Total data menu option.

After selecting Total data, the following appears in the display (for example):



Further options:

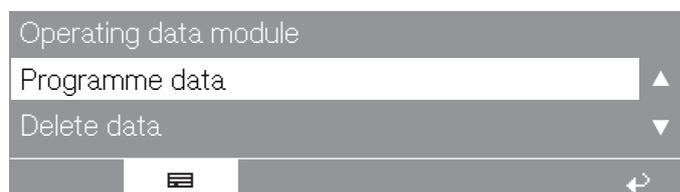
- Total time power on: 200,987 h
- Operating hours: 123,456 h

## Optional modules (depending on country)

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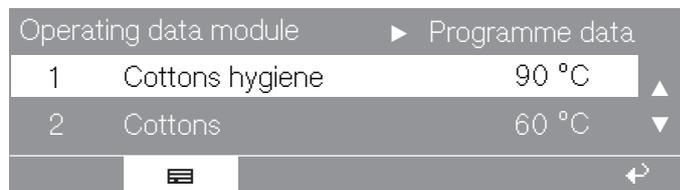
- Duration heating active: 73,456 h
- Duration drive motor active: 93,456 h
- Programme starts: 23,456
- Programme stops: 567
- Programme cancellations: 67
- Water volume: 1,234,567 l
- Load: 1,234,567 kg
- Liquid agent: 2345 l
- Energy: 12,345,678 kWh

### Programme data



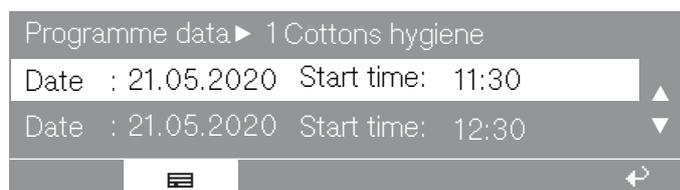
- Select the Programme data menu option.

After selecting Programme data, the following appears in the display (for example):



- Select the relevant programme from the programme list and confirm your selection by pressing the rotary selector.

A list of all programme starts of "Programme ► 1 Cottons hygiene" will then appear with the date and start time.



- Select the desired programme start from the list of all programme starts of "Programme ► 1 Cottons hygiene" and confirm the selection by pressing the rotary selector.



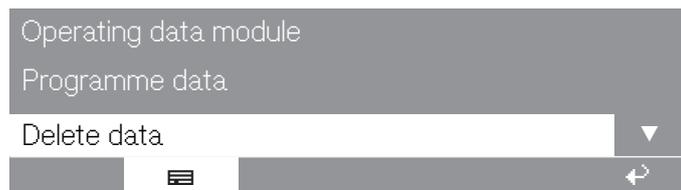
Further options:

- Town: Lehrte

## Optional modules (depending on country)

- Serial number: 12345678
- Machine type: PW 6321
- Load: 13 kg
- + button: **pressed**
- Starch stop button: **pressed**
- Without spin button: **not pressed**
- Programme start: 11:30
- Programme finished: 12:05
- Total operating time: 0 h 35 min
- Electrical energy: 12.5 kWh
- Gas energy: 0 kWh
- Steam energy: 0 kWh
- Total volume of water: 140 l
- Max. water temperature: 95 °C
- Max. drain temperature: 45 °C
- Programme change: 2 (after selecting and pressing the rotary selector, only the last 3 stops and 3 starts are displayed).
- Programme fault: none (only the last 3 faults are saved.)
- Area 1: (after selecting and pressing the selector dial, the section and the block can both be changed.)
- Block 1:
  - Operating time: 6 min
  - Water volume: 20 l
  - Dispensing phase 1: amount ml (after selecting and pressing the selector dial, the 6 dispensations are displayed.)
  - Max. temperature: 12 °C
  - Holding time: 6 min
  - Dispensing phase 2: No

### Delete data



- Select the Delete data menu option.

After selecting Delete data, the following appears in the display:

## Optional modules (depending on country)



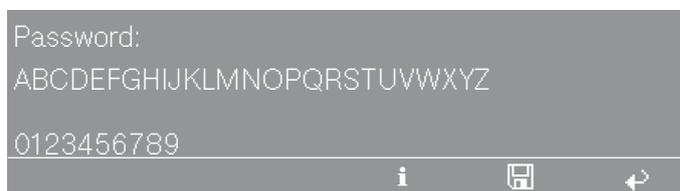
The menu item **Module** deletes the **Total data** and the **Programme data** from the **Operating data**.

The menu item **Total data** only deletes the **Total data** from the **Operating data**.

The menu item **Programme data** only deletes the **Programme data** from the **Operating data**.

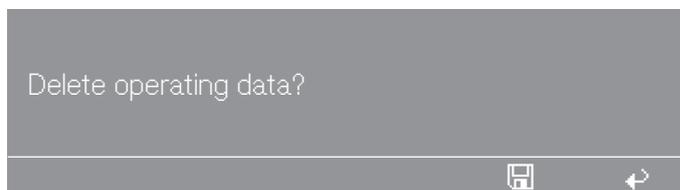
- Select one of the menu options by turning the rotary selector and confirm the selection by pressing the rotary selector.

A prompt to enter a password then appears.



- Enter the password or insert the card for Supervisor level.

The menu option is accessed and an additional security question appears.



- Press the  "Save" button.

The data is deleted.

### Weighing system/Weighing plinth

If the machine is equipped with a weighing plinth, the laundry load weight is displayed in 0.2 kg increments during loading. The maximum load weight for the selected programme is displayed beside it.

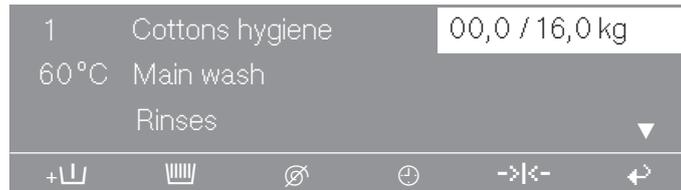
### Resetting the load display to zero

Do not place items on the machine. Do not lean against the machine.

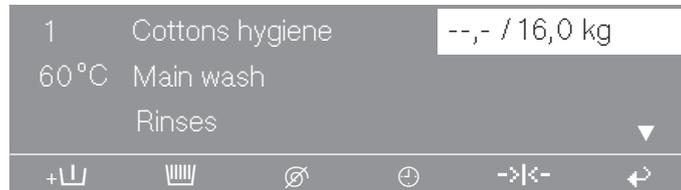
This can influence the result of the measurement.

If the load display is not set to "0.0" when the drum is empty, set the indicator to 0 by pressing the **++** button.

## Optional modules (depending on country)



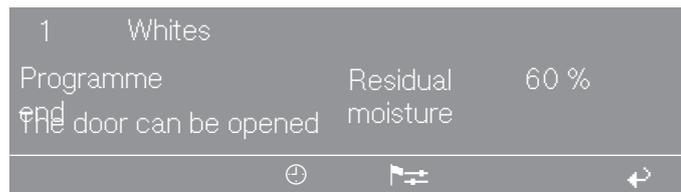
- If after resetting to 0 (taring), you remove an overlooked item from the drum, the following will appear in the display:



- Reset the display to 0 using the +/+ button.

**Useful tip:** If the machine is overloaded, for example when laundry is wet, it will operate in accordance with the nominal load after the programme starts. This value is also saved in the operating data module.

At the end of the programme when the drum has stopped rotating, the residual moisture in the laundry is shown in the display.



## Optional modules (depending on country)

### Sampling tap

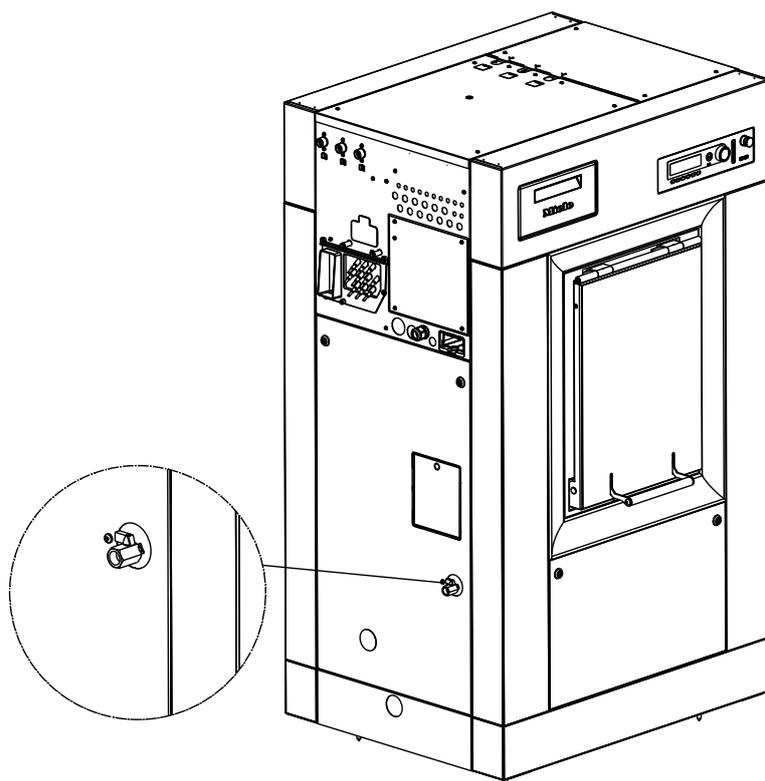
Some machine types are equipped with a sampling point for the suds solution for analytical purposes in the laboratory. The sampling point may only be operated by instructed personnel.

Special precautions must be taken when drawing off the suds solution with the tap:

- Wear personal protective equipment to prevent eye damage, skin damage, or respiratory impairment.
- Use suitable and safe collection containers.
- If leaks are evident, take immediate action to de-energise the machine. Remove the effects of the leakage and correct the cause. The machine can be put back into operation.

The machine must be drained using the drain valve emergency release.

- Have the suds tapping equipment (tap, hoses, and fastening materials) checked for damage at regular intervals by trained personnel. In the event of damage, the suds tapping equipment must be repaired or replaced.



The ball valve on the housing side is closed across the flow direction and open along the flow direction.

⚠ Depending on the wash programme, the ball valve and the suds may be hot and touching them without protective clothing may result in burn injuries.

## **Optional modules (depending on country)**

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The ball valve must remain closed in normal operation. The ball valve may only be opened during operation when necessary for taking samples in accordance with the specified safety instructions.

There may be residual water in the hose system to the ball valve at the end of the programme. Empty the hose system at regular intervals to prevent the risk of germs and contamination.

## Problem solving guide

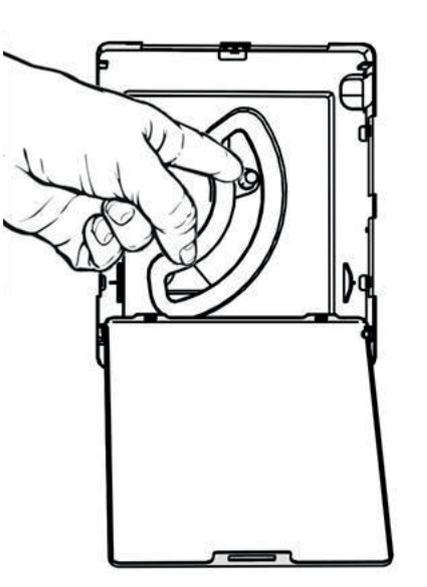
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With the help of the following guide, minor faults in the performance of the appliance, some of which may result from incorrect operation, can be remedied without contacting Miele. This will save you time and money because you will not need a service call.

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

### Problem solving guide

Problem	Possible cause and remedy
<b>The display remains dark and the <small>Start</small> button does not flash.</b>	There is no power to the machine. <ul style="list-style-type: none"><li>■ Check whether the washing machine is switched on.</li><li>■ Check whether the washing machine is connected to the electricity supply.</li><li>■ Check whether the circuit breaker has tripped.</li></ul>
<b>Brief power failure during the washing process. The message <small>Power cut</small> Programme stopped. Press the start button. appears in the display after power has been restored.</b>	There is no power to the washing machine for a brief period. <ul style="list-style-type: none"><li>■ Press the <small>start</small> button.</li></ul> The programme will continue.

Problem	Possible cause and remedy
<p><b>Total power failure during the washing process. To remove the laundry, first open the drain valve manually and then manually unlock the door.</b></p>	<p>There is no power to the washing machine due to a prolonged power failure.</p> <ul style="list-style-type: none"> <li>■ Switch off the washing machine by pressing the <b>0</b> button.</li> <li>■ Switch off the on-site main switch and close all on-site shut-off valves for water or steam.</li> </ul> <div style="text-align: center;">  </div> <ul style="list-style-type: none"> <li>■ Push the emergency drain lever downwards and hold until no more water runs out.</li> </ul> <p>The emergency drainage closes automatically when the lever is released.</p> <div style="text-align: center;">  </div> <ul style="list-style-type: none"> <li>■ Insert a flathead screwdriver into the opening under the door handle. Turn the screwdriver anti-clockwise and pull the door handle upwards.</li> <li>■ Turn the drum by hand until the drum door is reached.</li> </ul> <div style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p>⚠ Danger of crushing due to moving drum. The drum is not locked in place during a power failure and may move during unloading.</p> </div> <ul style="list-style-type: none"> <li>■ Remove the laundry.</li> </ul>
<p><b>Excessive foaming during the wash cycle.</b></p>	<p>You are using an unsuitable detergent.</p>

## Problem solving guide

Problem	Possible cause and remedy
	■ Only use detergent formulated for use in commercial washing machines. Domestic laundry detergent is not suitable.
	You are using too much detergent. ■ Dispense detergent following the instructions on the packaging and in accordance with local water hardness levels.
	You are using very soft water. ■ In areas with water hardness level 1, add less detergent in accordance with the detergent manufacturer's instructions.
	The items of laundry are only slightly soiled. ■ For lightly soiled laundry, add less detergent in accordance with the detergent manufacturer's instructions.
	There are residues in the laundry (e.g. from detergent). ■ Additionally, pre-rinse the laundry without setting a temperature and without using detergent.
	The load size is too small. ■ Reduce the amount of detergent.
	The drum spin speed is too high during the wash cycle. ■ Reduce the drum spin speed and wash rhythm.

### Fault messages in the display

Message	Possible cause and remedy
Service interval Call the Service Department.	The washing machine must be serviced by customer service. <ul style="list-style-type: none"> <li>■ Call Miele Professional Service.</li> </ul>
Water inlet fault Call the Service Department if restart does not work.	A fault has been detected in the water intake. <ul style="list-style-type: none"> <li>■ Check the tap.</li> <li>■ Switch the washing machine off and then on again.</li> </ul> Call Miele if a restart is unsuccessful.
Door lock fault Call the Service Department if restart does not work.	The door is not closed properly. The door lock could not engage. <ul style="list-style-type: none"> <li>■ Close the door again.</li> <li>■ Start the programme again.</li> </ul> Call Miele if a restart is unsuccessful.
Heating system fault Programme stopped. Press the start button.	A fault has been detected in the heating system. <ul style="list-style-type: none"> <li>■ Call Miele Professional Service.</li> </ul> Disinfection programmes will be cancelled if this fault message appears. <ul style="list-style-type: none"> <li>■ To continue the programme without heating, press the Start button.</li> </ul>
Drive motor fault Programme stopped. Press start. Motor overheating.	The thermo-switch of the drive motor has tripped. <ul style="list-style-type: none"> <li>■ Allow the motor to cool down.</li> <li>■ When the motor has cooled down, press the Start button.</li> </ul>
Imbalance fault Call the Service Department if restart does not work.	The direction dependent imbalance switch has tripped. <ul style="list-style-type: none"> <li>■ Press the Start button.</li> </ul> Call Miele if a restart is unsuccessful.
Drain valve fault Call the Service Department if restart does not work.	A fault has been detected in the drainage system. <ul style="list-style-type: none"> <li>■ Check the on-site drainage system.</li> <li>■ Press the Start button.</li> </ul> Call Miele if a restart is unsuccessful.
Dispensing system fault Fill dispenser ???. Press the start button.	The dispensing container is empty. <ul style="list-style-type: none"> <li>■ Fill the dispensing container or replace the dispensing container.</li> <li>■ Press the Start button.</li> </ul> Call Miele Professional Service if the message continues to be displayed.

## Problem solving guide

Message	Possible cause and remedy
<p>Positioning fault Programme finished. Use the emergency release.</p>	<p>The drum position is not correct at the end of the programme.</p> <ul style="list-style-type: none"> <li>■ Switch the washing machine off with the <b>0</b> button and then back on with the <b>I</b> button.</li> </ul> <p>Call Miele Professional Service if the message continues to be displayed.</p> <ul style="list-style-type: none"> <li>■ To perform the emergency release, insert a flathead screwdriver into the opening under the door handle. Turn the screwdriver anti-clockwise and pull the door handle upwards.</li> <li>■ Turn the drum by hand until the drum door is reached.</li> </ul> <div style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p> Danger of crushing due to moving drum. The drum is not locked correctly and may move during unloading.</p> </div> <ul style="list-style-type: none"> <li>■ Remove the laundry.</li> </ul>
<p>Positioning fault Call the Service Department if mains interruption does not work. Operate the emergency release.</p>	<p>The drum position is not correct.</p> <ul style="list-style-type: none"> <li>■ Switch the washing machine off with the <b>0</b> button and then back on with the <b>I</b> button.</li> </ul> <p>Call Miele Professional Service if the message continues to be displayed.</p> <ul style="list-style-type: none"> <li>■ To perform the emergency release, insert a flathead screwdriver into the opening under the door handle. Turn the screwdriver anti-clockwise and pull the door handle upwards.</li> </ul> <div style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p> Danger of crushing due to moving drum. The drum is not locked correctly and may move during unloading.</p> </div> <ul style="list-style-type: none"> <li>■ Turn the drum by hand until the drum door is reached.</li> </ul>
<p>Positioning fault Programme stopped. Water in the machine.</p>	<p>The drum position is not correct. There is still water in the washing machine.</p> <ul style="list-style-type: none"> <li>■ Press the Start button.</li> <li>■ If the fault persists, press the  function button.</li> </ul> <p>The water is drained from the washing machine.</p> <ul style="list-style-type: none"> <li>■ To perform the emergency release, insert a flathead screwdriver into the opening under the door handle. Turn the screwdriver anti-clockwise and pull the door handle upwards.</li> <li>■ Turn the drum by hand until the drum door is reached.</li> </ul> <div style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p> Danger of crushing due to moving drum. The drum is not locked correctly and may move during unloading.</p> </div> <ul style="list-style-type: none"> <li>■ Remove the laundry.</li> </ul>

### **Contact in case of fault**

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

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

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

## Cleaning and care

Carry out cleaning and maintenance after using the washing machine if possible.

⚠ Risk of electric shock!

Only ever perform cleaning and maintenance work when the appliance is disconnected from the power.

Disconnect the washing machine from the mains electricity supply.

### Cleaning the external casing and fascia panel

⚠ 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.

⚠ Risk of damage due to ingress of water.

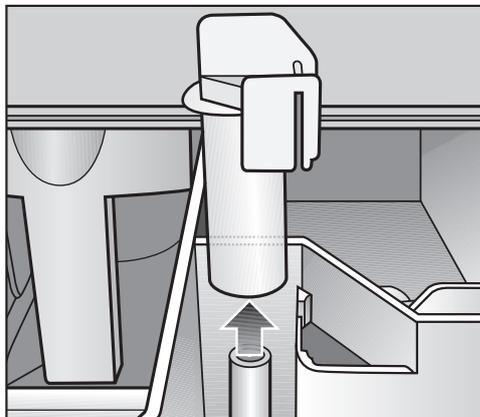
The pressure of a water jet can cause water to get into the washing machine, resulting in damage to components.

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 and other stainless steel parts can be cleaned using a suitable stainless steel cleaning agent.

### Cleaning the detergent drawers, detergent compartments and siphons

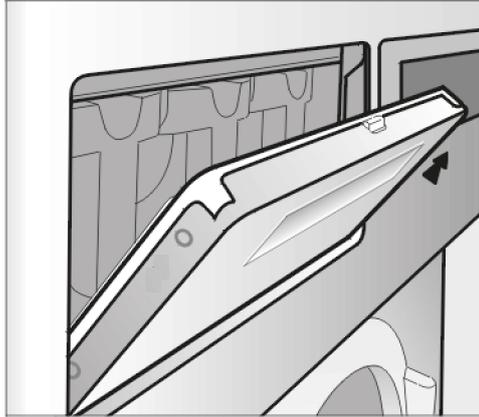
- Clean the detergent drawer and the detergent compartments thoroughly with hot water as required to remove detergent residues and incrustations.
- If the machine is not going to be used for a longer time, leave the flap of the detergent drawer open.
- Also clean the siphons in the detergent compartments.



- Remove the siphon. Clean the siphon with hot water and reinsert it.

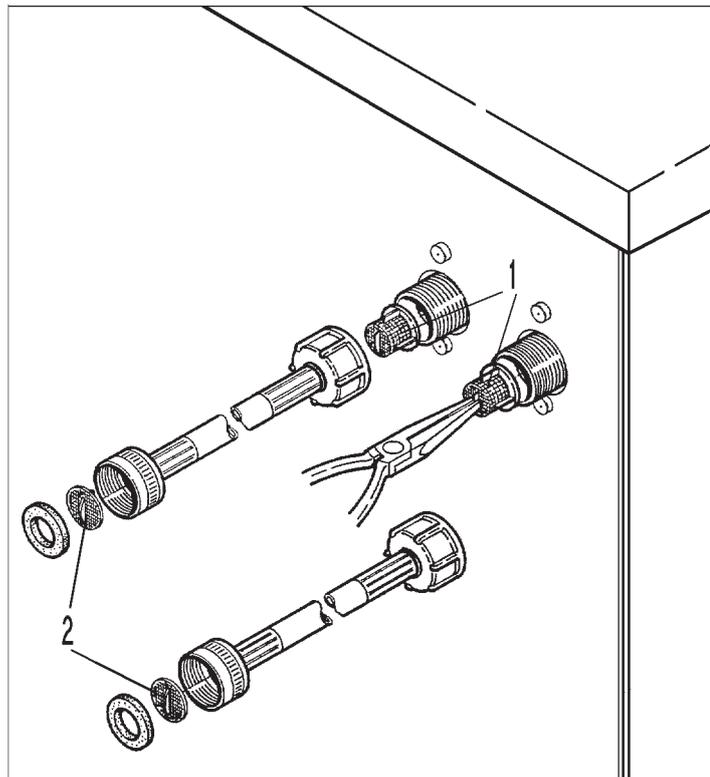
### Cleaning the drip channel and siphon

- Open the flap on the detergent drawer to an angle of 45° and lift out the flap of the detergent drawer upwards on the right side.



If the drip channel and its drain connector are blocked, then these should be cleaned.

- Check the grille of the suds container ventilation on the back of the machine for soiling from time to time and clean if necessary.



- The filters in the water inlet valves (1) and the inlet hoses (2) must be checked for soiling from time to time and cleaned if necessary.

### Cleaning the ventilation grille

Clean the suds container ventilation grille on the side panel of the washing machine occasionally.

## Cleaning and care

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### **Check the closing device**

Check the drum closing device regularly to ensure that it is in perfect condition.

If there is fluff on the drum door, remove the fluff.

### **Treating rust**

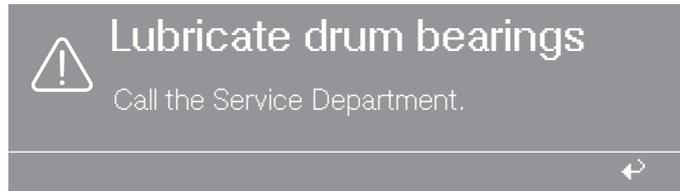
The drum and the suds container are made of stainless steel. Water containing iron or ferrous foreign objects (e.g. paper clips, metal buttons, or iron shavings) can lead to rust formation.

Clean the drum and the suds container regularly and if rust occurs, remove it immediately with a proprietary stainless steel care product.

Check the door seals for ferrous residues. Clean the door seals regularly as a preventive measure using proprietary care products.

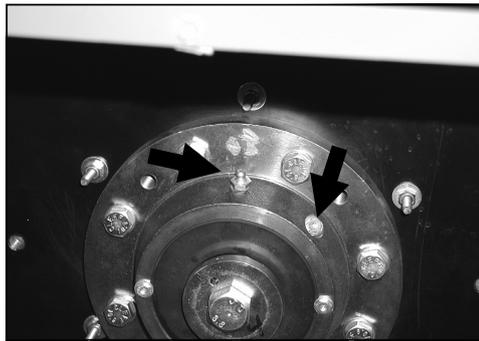
### Drum shaft bearings

Once the service interval has been reached, the following message appears in the display:



Press  to remove this message. It appears after switching on the machine until the service technician has performed this work.

 Disconnect the machine from the mains electrical supply.



- Unscrew the bleed screw before greasing.
- After approx. 1000 hours of operation, lubricate the left and right drum bearings with Arcanol L 100 grease via the grease nipples. Turn the drum three revolutions while doing this.
- Remove the old grease that has leaked out.



## Meaning of the symbols on the data plate

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### Airborne noise emission

A-weighted emission sound pressure level

PW 6163 70 dB (A)

PW 6243 71 dB (A)

PW 6323 71 dB (A)

max. in the workplace

EN ISO 11204

A-weighted sound power level

PW 6163 79 dB (A)

PW 6243 81 dB (A)

PW 6323 81 dB (A)

max. in the workplace

EN ISO 9614-2

## Installing the washing machine

**⚠** Danger due to incorrect installation.  
Improper installation of the washing machine may result in injury and damage.  
The washing machine must be installed by a Miele authorised installer.

## General operating conditions

This washing machine is intended only for use in a commercial environment and must only be operated indoors.

Ambient temperature in installation room: 0 °C to 40 °C.

Relative humidity: non-condensing

Depending on the nature of the installation site, sound emissions and vibration may occur.

**Useful tip:** Have the installation site inspected and seek the advice of a professional in instances where increased noise may cause a nuisance.

## No installation in rooms at risk of frost

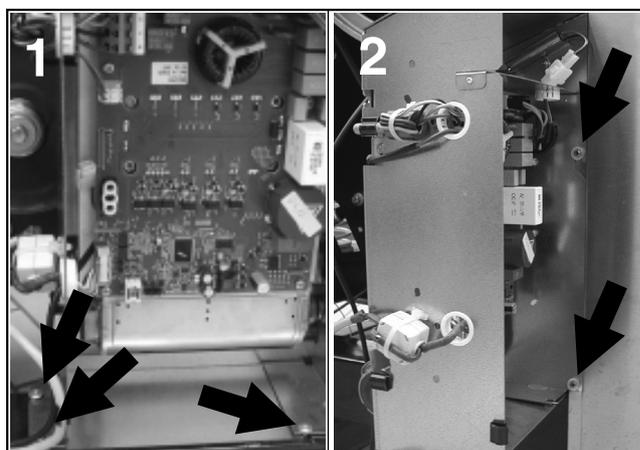
**⚠** Damage due to frost.  
Frozen hoses can tear or burst. The reliability of the electronic control unit may be impaired at temperatures below freezing point.  
Do not install your washing machine in a room where there is a risk of frost.

## Installing and securing the washing machine

The washing machine must be level and securely installed. After installation, the washing machine must always be fixed to the floor.

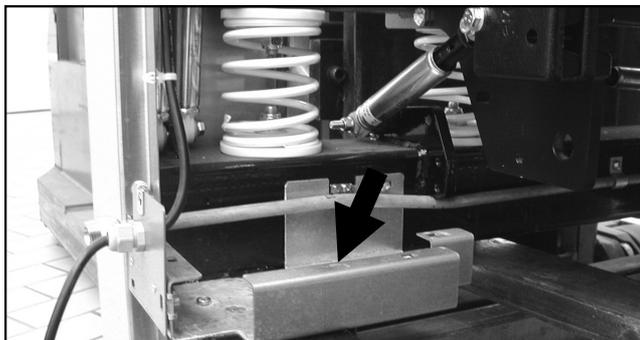
To fix the washing machine to the floor, holes can be drilled through the existing holes in the base frame.

- Dismantle the two side panels.



- Dismantle the housing of the frequency inverter (1). The housing is fixed with 3 screws.
- Hang the frequency inverter on the side (2).

### Disassembling the mounting bracket on steam-heated machines

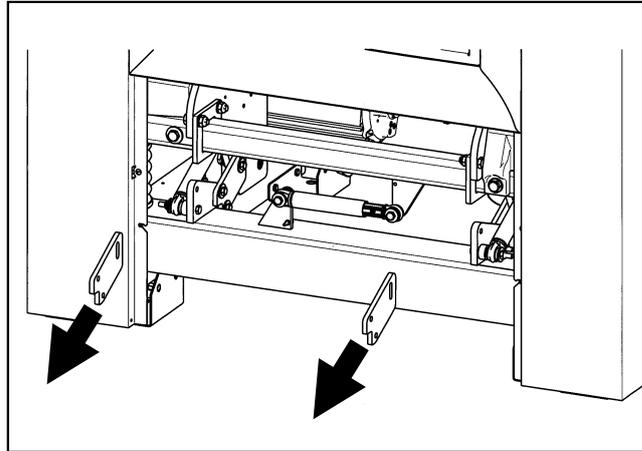


- On steam-heated washing machines, also disassemble the mounting bracket for the steam connection.
- Drill through the 4 existing holes on the base frame of the washing machine into the floor.

Do not place the washing machine on a carpeted floor if the carpet may block the ventilation openings on the bottom of the casing.

## Removing the transit bars

The transit bars may only be removed at the installation site before the washing machine is commissioned.



- Remove the 2 transit bars on the clean side of the washing machine.
- Remove the 2 transit bars on the unclean side of the washing machine.

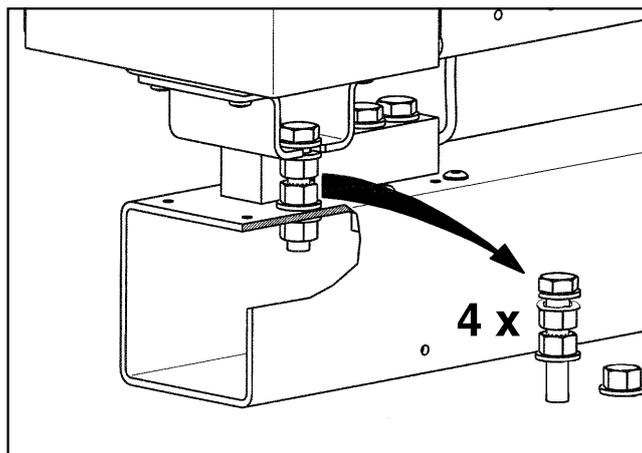
Retain the transit bars. Before transporting the washing machine again, the transit bars must be refitted.

## Transporting the washing machine

**⚠** Danger of injury from incorrect transport.  
If the washing machine tips over, it can cause serious injury and damage.  
When transporting the machine, make sure that it is stable.

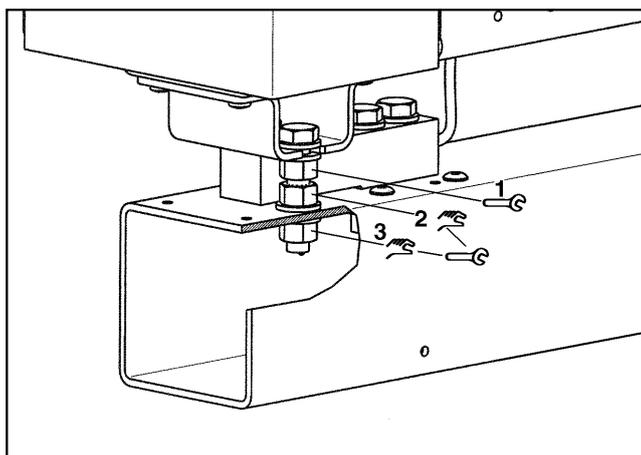
- Transport the washing machine on a pallet jack inside the room.
- Install the service panels supplied separately to the washing machine.
- Attach the protective conductor (green-yellow insulation).

## Removing the transit bars from the weighing system



- Loosen the nuts on the 4 bolts with an open-end wrench.
- Retain the transit bars. The transit bars must be refitted if the machine is to be transported again.

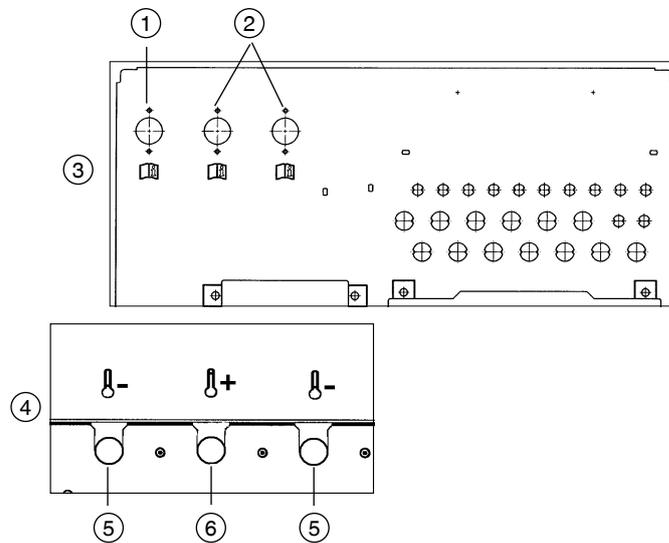
## Fitting the transit bars



- Install the 4 bolts and 3 nuts each by hand.
- Tighten nut 1 with an open-end wrench.
- Align nut 2 and 3 tension-free by hand. Tighten the nuts against each other using an open-end wrench.

## Water connection

To ensure trouble-free operation, a water connection pressure of at least 100 kPa (1 bar) and a maximum of 1000 kPa (10 bar) is required.



- ① Cold water for liquid dispensing
- ② Hard water (cold water)
- ③ Casing side
- ④ Casing lid
- ⑤ Cold water
- ⑥ Hot water

The connection to the supply line must be made via a water shut-off valve. This installation may only be carried out by an approved installer in compliance with the country-specific regulations and the regulations of the local water supply company.

The machine must be connected to the water supply using the water inlet hoses provided.

The hot water supply must not exceed a maximum temperature of 70 °C.

Hoses must be replaced with hoses tested for a burst pressure of at least 7000 kPa (70 bar) overpressure. The hoses must be suitable for a water temperature of at least 90 °C. The same requirements also apply to the integrated connection fittings. Miele original spare parts meet these requirements.

This appliance must be connected to the water supply in strict accordance with local and national requirements (e.g. Plumbing Code of Australia (PCA)).

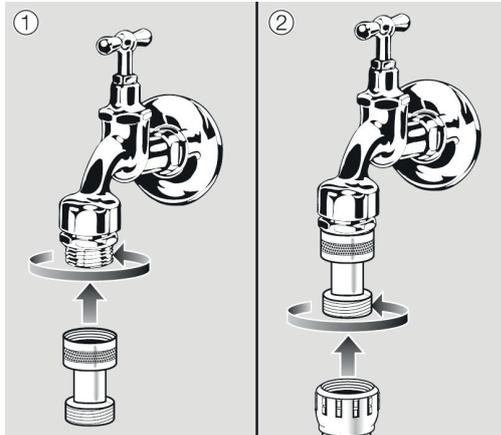
This appliance must be installed according to AS/NZS 3500.1 and AS/NZS 3500.2. This washing machine has been supplied separately with backflow prevention devices (dual check valves).

# Installation

## Use of backflow prevention devices

For the water connection, the backflow prevention devices (dual check valves) must be used.

The backflow prevention device to prevent backsiphoning must be installed between the tap and the water inlet hose during commissioning on all machines. The non-return valve prevents water from the water inlet hose from flowing back into the on-site drinking water supply.

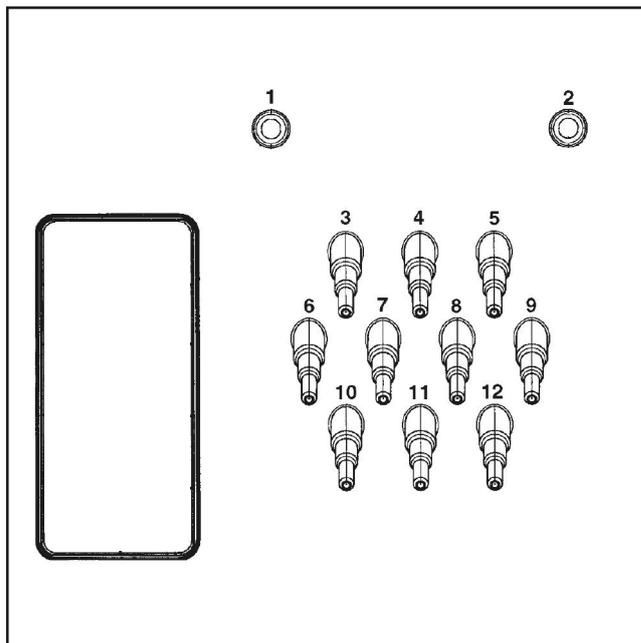


- Attach the backflow prevention device.
- Then screw the water intake hose onto the thread of the backflow prevention device.

Turn on the tap gradually to test for leaks. If there is a leak, the connection might not be on securely, or it may have been screwed on at an angle. Unscrew and reconnect the water correctly before tightening it.

## Detergent connections

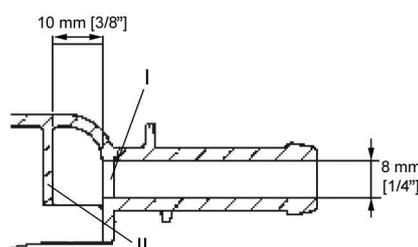
You can connect up to 12 detergents to the washing machine.



Detergent connections on the rear of the machine

Use connections **1** and **2** for viscous agents or for high-pressure dispensing systems with water injection. The dispensing systems must comply with all relevant local and national regulations and be fitted with suitable backflow prevention. The maximum flow rate is 1500 ml/min at a maximum water connection pressure of 300 kPa.

These connectors are sealed and need to be drilled open using an 8 mm drill bit before connecting.



Make sure that you only drill through the first panel (I) as there is a deflecting panel (II) 10 mm behind it.

Connections **3** to **12** are provided for liquid detergent. High pressure dispensing systems with water injection must not be connected to these connections. The connectors are sealed and must be cut to the diameter of the hose with a small saw before they are connected.

Connectors that are no longer required must be resealed using a suitable sealant (e.g. silicone).

Up to 4 time-controlled dosing pumps can be operated without multifunction module. The connection terminals are located behind the cover next to the electrical connection. See enclosed wiring diagram.

Calibration of the dispenser pumps and regulation of dispensing quantities is carried out partly automatically for washing machines fitted with an optional multifunction module.

A flowmeter or throughput sensors can be connected for precise monitoring of the dispensing quantity.

Connections for level monitoring are available for every agent dispensed.

### Electrical connection

The electrical connection must be carried out by a qualified electrician who must ensure that all electrical work is carried out in accordance with applicable electrical regulations and standards.

This washing machine must be connected to an electrical mains supply that complies with local and national regulations. Please also observe your insurance and energy supplier's regulations as well as any workplace health and safety regulations.

The required voltage, rated load and fusing rating can be found on the data plate on the washing machine. Before connecting the machine to the electricity supply, please ensure that the mains supply voltage complies with the values given on the data plate.

 **Damage caused by incorrect supply voltage.**  
Connection to a supply voltage other than the one quoted on the data plate can lead to functional faults and damage to the washing machine.  
Only connect the washing machine to the supply voltage specified on the data plate.  
If more than one voltage is quoted on the data plate, the washing machine can be converted for connection to the voltages stated.

Conversion to a different voltage must only be carried out by a Miele Professional Service technician or by an authorised service technician. When doing so, the rewiring instructions on the supplied circuit diagram must be followed, and ensure the connection data on the data label matches the mains electrical supply.

The machine can either be hard-wired or connected using a plug-and-socket. For a hard-wired connection, an all-pole isolation device must be installed on site.

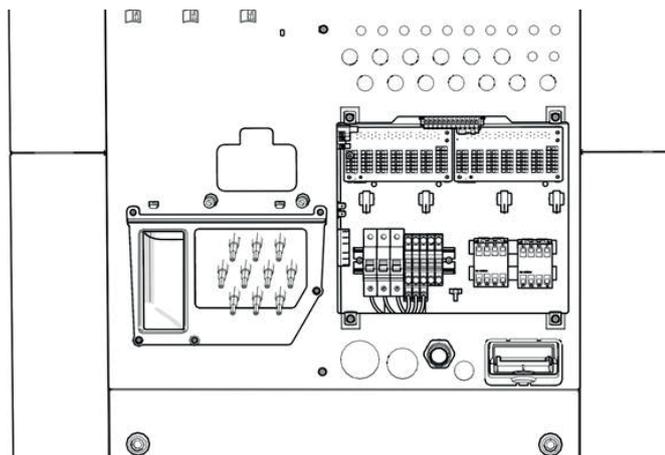
If the mains supply cannot be permanently disconnected, the isolator switch must be safeguarded against being switched on either unintentionally or without authorisation.

**Useful tip:** We recommend connection to the power supply via a suitable plug and socket which must be easily accessible for servicing and maintenance work after the machine has been installed. An electrical safety test must be carried out after installation and after any service work.

► If it is necessary to install a residual current device (RCD) in accordance with local regulations, a residual current device type B (sensitive to universal current) must be used.

An existing type A residual current device (RCD) must be exchanged for a type B RCD.

The electrical components of this machine comply with AS/NZS 60335-1, DIN EN 50571. See data plate for voltage data. If the machine is hard wired, an all-pole isolator must be installed. Switches with a contact opening of more than 3 mm are considered to be disconnecting devices. These include, for example, circuit breakers, fuses and contactors. The plug connector or isolator switch should be easily accessible at all times.



Exposed terminals after cover removal

To gain access to the connection terminals, the cover above must first be removed. The connecting cable must be routed through the toroid to the terminals.

The machine is supplied ex-works for 3N AC 50–60 Hz. See data plate for voltage data.

## **Equipotential bonding**

An equipotential bond with good contact connection must always be provided in accordance with all national and local regulations.

The electric heating is set ex-works to 15 kW (PW 6163), 24 kW (PW 6243), 30 kW (PW 6323).

The minimum liquor level to activate the heater is 70 mm water column.

The motor is protected against overload by a motor thermo-switch.

Please refer to the wiring diagram and installation plan provided. These plans are important for the electrical connection.

## **Connecting the dispenser pumps (depending on country)**

Connection terminals for 4 time-controlled dispenser pumps, which can be operated without a multifunction module, are located behind the cover adjacent to the electrical connection. See enclosed wiring diagram.

## **Steam connection (depending on country)**

For steam-heated machine variants, the steam connection must only be carried out by an authorised installation technician. The steam valve and condensate trap are available from Miele.

## Installation

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 Risk of electric shock and injury from live or rotating machine parts.

If the washing machine's casing is not fully assembled, it is possible to come into contact with live or rotating machine parts. Once the washing machine has been installed, completely reassemble all the casing parts that were removed.

## 1. Preparing the laundry

Only machine wash items which have a wash care label stating that they are suitable for machine washing or for wet cleaning.

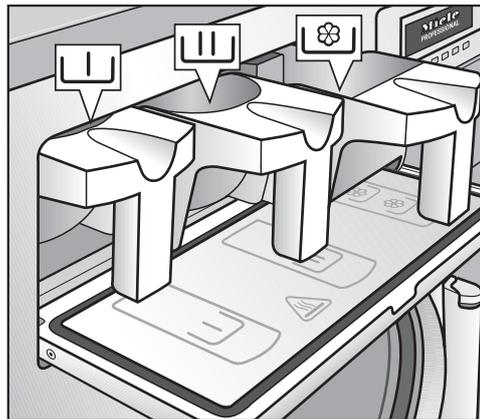
- Empty all pockets.

## 2. Switching on the machine and loading the laundry

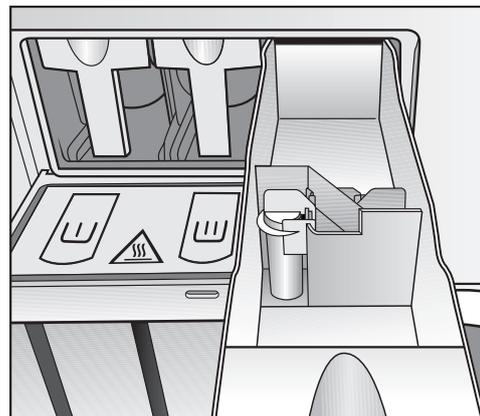
- Switch on the washing machine with the **I** button.
- Pull the door handle to open the drum door.
- Unfold the laundry and load loosely in the drum. Mixing both large and small items gives better wash results and helps distribute the load evenly during spinning.
- Close the drum door by pressing it until the pre-latch engages.

## 3. Adding detergent

Three separate dispenser compartments are available for adding detergent.



- Add the powder detergent for the main wash to the dispenser compartment .
- If necessary, add the detergent for the pre-wash to the  dispenser compartment .
- If necessary, add conditioning agent (e.g. fabric softener) to the front  dispenser compartment.

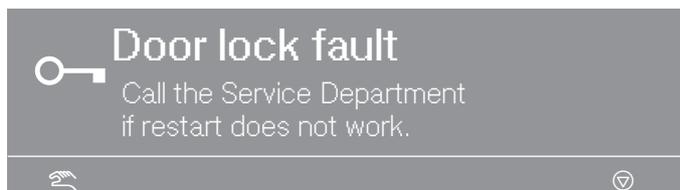


Liquid bleaching agents must only be dispensed through the designated  dispenser compartment.

### 4. Selecting a programme by turning the rotary selector

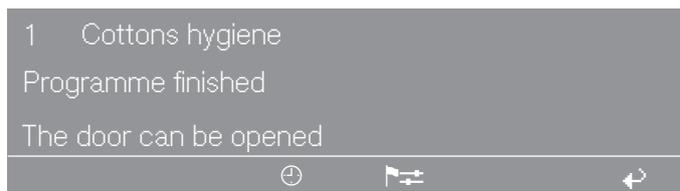
### 5. Pressing the “START” button to start the selected wash programme

If the message "Door lock fault" appears, proceed as follows:



- Press firmly against the door handle until you hear the door lock engage.
- Press the "START" button.

### 6. The end of the programme is indicated in the display



- Pull the door handle to open the drum door at the end of the programme.
- Remove the laundry.

### 7. If no further wash programmes are planned:

- Leave the drum door open.
- Switch off the machine with the 0 “Mains off” button.







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