

Operating and installation instructions for washer-extractor PW 5064 MopStar 60

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

en - GB

M.-Nr. 09 757 270

Caring for the environment

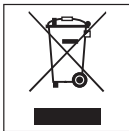
Disposal of the packing material

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

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

Disposing of your old machine

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



Please dispose of it at your local community waste collection/recycling centre or contact your dealer for advice. Ensure that it presents no danger to children while being stored for disposal.

Energy saving tips

Energy and water consumption

- Water consumption and energy usage are determined by the size of the load.
To make the most out of your machine load the maximum dry load for the programme you are using.

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.

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Warning and Safety instructions

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

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

Keep these instructions in a safe place and ensure that they are made available to new users. They must be made aware of these warning and safety instructions.

Pass them on to any future users/owners of the machine.

Correct application

► Only use the machine to wash items which are specified by the manufacturer to be machine-washable on the wash-care label, and textiles composed of hand-washable wool or wool blend fabrics as well as satin, lace, silk and other hand-washable garments. Any other applications may be dangerous. The manufacturer cannot be held liable for damage resulting from incorrect or improper use of the machine.

► This machine must be used as described in these operating instructions and must be checked on a regular basis to make sure it is functioning correctly. Maintenance must be carried out when necessary.

► This machine is not intended for outdoor use.

Warning and Safety instructions

- ▶ This machine can only be used by people with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, if they are supervised whilst using it or have been shown how to use it in a safe way and recognise and understand the consequences of incorrect operation.
- ▶ Children 8 years and older may use the machine unsupervised only if they have been shown how to do so in a safe way and recognise and understand the consequences of incorrect operation.
- ▶ Children must not be allowed to clean or maintain the machine unsupervised.
- ▶ Please supervise children in the vicinity of the machine and do not let them play with it.
- ▶ It is the operator's responsibility to ensure that the standard of disinfection in thermal as well as chemo thermal procedures is maintained (in accordance with local authority regulations) by carrying out suitable validation tests. Disinfection programmes must not be interrupted, as this can have a limiting effect on the disinfection result.

Warning and Safety instructions

Technical safety

- ▶ Before setting up the machine, check it for any externally visible damage.
Do not install or use a damaged machine.
- ▶ The electrical safety of this machine can only be guaranteed when correctly earthed. It is most important that this standard safety requirement is met. If in any doubt, please have the electrical installation tested 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 Miele cannot accept liability. Repairs should only be undertaken by a Miele authorised service technician. If this is not done, any resultant damage will not be covered by the guarantee. Ensure current is not supplied to the machine until after maintenance or repair work has been carried out.
- ▶ Do not make any alterations to the machine, unless authorised to do so by Miele.
- ▶ The machine must be isolated from the electricity supply in the event of a fault and during installation, maintenance and repair work.

Warning and Safety instructions

- ▶ This machine must only be connected to the on-site water supply using a new hose kit. Old hoses must not be re-used. Check the hose regularly for signs of wear. Change in good time to avoid the risk of leaks and subsequent damage.
- ▶ Faulty components must only be replaced by genuine Miele original spare parts. Only when these parts are fitted can the safety standards of the machine be guaranteed.
- ▶ Do not connect the machine to the mains electricity supply by an extension lead or a multi-socket adapter. These do not guarantee the required safety of the machine (e.g. danger or overheating).
- ▶ If this machine is being used in a commercial environment please ensure that all relevant health and safety regulations are obeyed.
- ▶ This machine must not be used in a non-stationary location (e.g. on a ship).
- ▶ Please observe the instructions in "Installation and connection" and "Technical data".
- ▶ The socket must be easily accessible after installation in order to disconnect the washing machine from the electricity supply.
- ▶ For hard-wired machines, the all-pole isolator provided on-site must be easily accessible after installation in order to disconnect the washing machine from the electricity supply.
- ▶ In areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the machine and its surroundings in a clean condition at all times. Any damage which may be caused by cockroaches or other vermin will not be covered by the guarantee.

Warning and Safety instructions

Correct use

- ▶ The maximum load of dry laundry for this machine is 6.5 kg. See the "Programme chart" for the maximum recommended loads in individual programmes.
- ▶ Do not install your machine in rooms where temperatures below freezing may occur. Frozen hoses may burst or split. The reliability of the electronic control unit may be impaired at temperatures below freezing point.
- ▶ Before using the machine for the first time, check that the transit bars at the rear of the machine have been removed (see section on "Installation and connection"). During spinning, a transit bar which is still in place may result in damage to both the machine and adjacent furniture or appliances.
- ▶ Turn off the stopcock if the machine is to be left for any length of time (e.g. holiday), especially if there is no floor drain (gully) in the immediate vicinity.
- ▶ 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. Soiling such as metal shavings etc. on cloths must be shaken out before washing.
These may damage components of the machine (e.g. suds container, drum), which in turn can result in damage to the laundry.

Warning and Safety instructions

- ▶ If the correct amount of detergent is dispensed, the machine should not need to be descaled. If, however, you do wish to descale the machine only use proprietary non-corrosive descaling agents and strictly observe the instructions on the packaging. A special descaling agent is available to order from the Miele Spare Parts Department or your Miele dealer.
- ▶ Textiles which have been pre-treated in solvent based cleaning agents must be thoroughly rinsed in clean water before being washed in the machine.
- ▶ Never use solvent based cleaning agents, e.g. those containing benzene, in this machine, as this may result in damage to component parts and create toxic fumes. Such agents also pose a fire and explosion hazard.
- ▶ Benzene, petrol, paraffin, or any easily flammable liquid must not be stored or used near the machine. Fire and explosion risk!
- ▶ Only use dyes specified by the manufacturer as being suitable for use in a washing machine. Always observe the manufacturer's instructions carefully.
- ▶ Colour run and dye removers contain sulphur compounds which can cause damage such as corrosion. Do not use these products in this machine.

Warning and Safety instructions

► Avoid contact of stainless steel surfaces (front, lid, casing) with liquid cleaning and disinfecting agents which contain chlorine or sodium hypochlorite. These agents can have a corrosive effect on stainless steel.

Aggressive vapours containing chlorine bleach can also be corrosive. Do not store open containers of these agents near the machine.

► Do not use a high pressure cleaner or hose to clean the machine.

► 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

Accessories

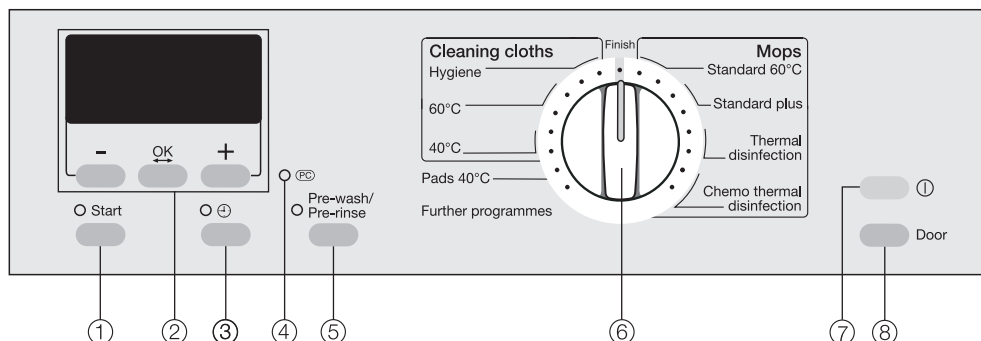
► Accessory parts may only be fitted when expressly approved by Miele. If other parts are used, guarantee, performance and product liability claims will be invalidated.

► A Miele tumble dryer can be stacked on top of a Miele washing machine using the appropriate stacking kit (available as an optional accessory).

► If installing the machine on a Miele plinth, (available as an optional accessory), please make sure you order the right one for this washing machine.

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

Control panel



① **Start button**

Starts the selected programme.

② **Display with -, OK and + buttons**

See the following pages for more information.

③ **On-Off button**

For selecting delay start.

④ **PC/Optical interface**

This is used by service technicians to run diagnostic checks on your machine and can also be used to update programming data in the future.

⑤ **Pre-wash/Pre-rinse button with indicator light**

⑥ **Programme selector**

For selecting a programme. The programme selector can be turned clockwise or anti-clockwise.

⑦ **On-Off button** ①

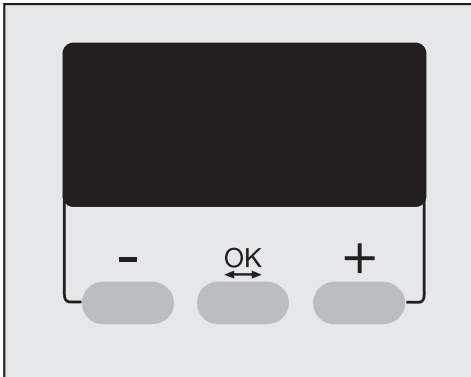
To save energy, the machine will switch itself off automatically 15 minutes after the end of the programme/anti-crease phase or after being switched on, if no other selection is made.

⑧ **Door button**

Opens the machine door.

Operating the washer-extractor

Display



- / + buttons

For altering the values highlighted in the display:

- decreases the value or moves the highlighting upwards
- + increases the value or moves the highlighting downwards.


OK button

For confirming the value selected and choosing the next value.

The following are selected via the display:

- Further programmes
- The temperatures for some programmes
- Final spin speed
- Delay start.


The display also shows the duration of the programmes and the current time of day.

The *Settings*  menu is also operated via the display.

Before using for the first time

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

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

- Switch the machine on with the  button.

If the machine is being switched on for the first time, the welcome screen will appear:

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The welcome screen will not appear again after the first programme has been completed.

The display for setting the language will then appear.

- Use the **-** and **+** buttons to select the language you want, and confirm your choice by pressing the **OK** button.

Reminder to remove transport bars

To avoid the risk of damage, the transport bars must be removed before the machine is used for the first time. See "Installation and connection" for instructions on how to do this.

- After removing the transport bars (if this has not already been done by your fitter) press the **OK** button.

The display for setting the time will then appear.

Setting the time of day



- Set the hour with the **-** and **+** buttons, and confirm your setting by pressing the **OK** button. Then do the same to set the minutes. After you have confirmed the minute setting, the main menu will appear in the display.

Running your first programme

Your machine is now ready for the first programme to be run.

- Turn the programme selector to the *Cleaning cloths Hygiene* position.
- Open the stopcocks.
- Press the *Start* button.


When the programme has finished, your machine is ready to use for the first time.


How to wash correctly

Brief instructions

The headings numbered ❶, ❷, ❸, . . . show the operating sequence and can be used as brief instructions.

❶ Sort the items to be washed

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

 Do not use solvent-based cleaning agents in this machine.


Preparing mops, cloths etc

- Shake mops, cloths and pads out well to get rid of coarse soiling before placing them in the drum.

Sorting laundry

- Empty all pockets.
- Badly soiled areas, stains etc. should be treated as soon as possible, preferably whilst still fresh. Spillages should be carefully dabbed off using a soft, colourfast cloth. Do not rub!
- Sort the laundry by colour and by care label. Most garments have a textile care label in the collar or side seam.

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

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

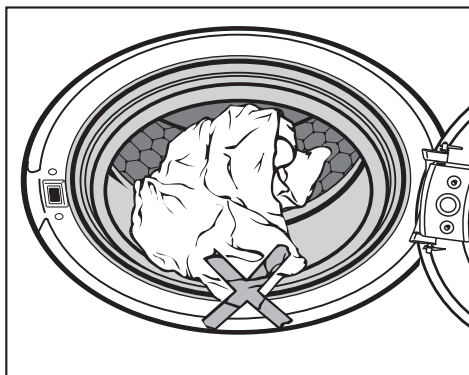
How to wash correctly

② Load the drum

- Switch the machine on with the ① button.
- Press the *Door* button and open the drum door.
- Place mops, cloths and pads loosely in the drum.
- Unfold the laundry and load loosely in the drum. Mixing both large and small items gives better wash results and also helps distribute the load evenly during spinning.

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

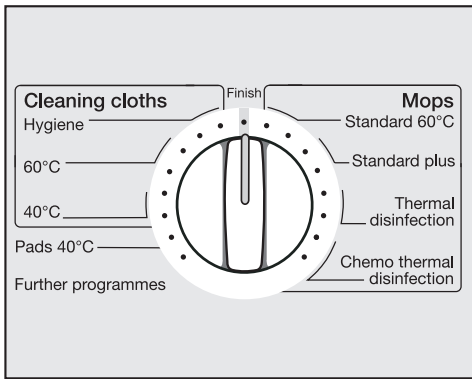
- Shut the door with a gentle swing.



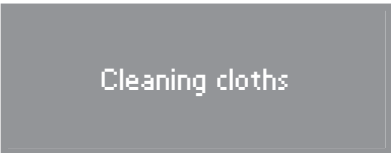
Make sure that no items are caught between the drum door and seal.

How to wash correctly

3 Select a programme



- Turn the selector to the wash programme you require.
- The programme selected will appear in the display.

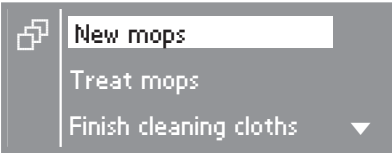


The display will switch to show the menu for the programme selected.



- You can then alter the spin speed which is shown highlighted with the - or + buttons. Confirm your selection by pressing the **OK** button.

When you turn the programme selector to *Further programmes*, a list of these programmes will appear in the display.



- Use the - or + button to highlight the programme you wish to select and confirm your selection by pressing the **OK** button.

The display will switch to show the menu for the programme selected.



- You can then alter the spin speed which is shown highlighted with the - or + buttons. Press **OK** to confirm. For some programmes you can now alter the temperature with + or -.

Pre-wash/Pre-rinse

- An additional *Pre-wash* or *Pre-rinse* can be selected for loads which are particularly dirty. If these additional options do not come up in the display, they are not available to select in conjunction with your chosen programme.

Delay start

- Select Delay start, if required (see "Delay start").

4 Add detergent

Take the level of soiling and water hardness into account when determining the amount of detergent to dispense.

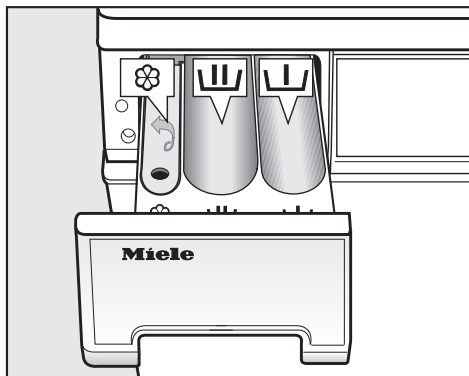
Too little detergent results in:

- Laundry not getting properly clean, and with time maybe becoming grey and hard to the touch.
- Greasy particles clinging to laundry.
- Limescale deposits on the heater elements.

Too much detergent results in:

- Excessive foam which causes a low level of agitation and poor wash, rinse and spin results.
- A burden to the environment.

See "Detergent" for further information.



- Pull out the detergent drawer and add detergent to the compartments as follows:

U = Detergent for the pre-wash ($\frac{1}{4}$ of the total amount recommended).

U = Detergent for the main wash

⊗ = Fabric conditioner or liquid starch

- Close the detergent drawer.

The ⊗ compartment is not used during Disinfection programmes. Do not put anything in it.

This machine can be connected to an external dispensing system for dispensing liquid agents (see "Detergent - External dispensing system").

How to wash correctly

5 Start the programme

The *Start* button will flash as soon as a programme can be started.

- Press the *Start* button.

The *Start* button will now light up.

If delay start has not been selected, the estimated programme duration will appear in the display. This will count down in one minute steps. During the first 10 minutes the machine measures how much water is being absorbed by the laundry. The programme duration may be shorter depending on this absorbency rate.

The programme sequence is also shown in the display. The machine lets you know which section of the programme has been reached.

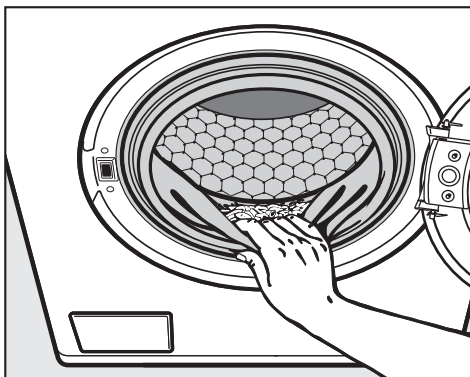
6 Unload the drum

At the end of the programme, the drum continues to turn at intervals for up to 30 minutes to maintain uniform residual moisture throughout the load and to help prevent creasing (anti-crease phase). The door can be opened and items removed at any time during the anti-crease phase.

The machine will switch off automatically 15 minutes after the end of the anti-crease phase. You will need to press the ① button to switch it back on again.

- Press the *Door* button to open the drum door.
- Remove the laundry.

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



- Check the folds in the door seal for any small articles, e.g. buttons, which might be lodged there.
- Turn the programme selector to *Finish*.
- Close the drum door. Otherwise there is the danger of objects being placed inadvertently in the drum. If these remained unnoticed and were washed in the next load, they could damage the laundry.
- Switch the machine off with the ① button.

Maximum final spin speed

Programme	rpm
Standard 60°C	1400
Standard plus	1400
Thermal disinfection	1400
Chemo thermal dis.	1400
Cleaning cloths Hygiene	1400
Cleaning cloths 40°C/60°C	1400
Pads 40°C	1400
New mops	1400
Mops + treat	Not displayed*
Treat mops	Not displayed*
Finish cleaning cloths	Not displayed*
Curtains	600
Cottons universal	1400
Cottons hygiene	1400
Intensive	1400
Intensive +	1400
Minimum iron	1000
Quick wash	1400
Separate rinse	1400
Drain / Spin	1400

* The spin speed depends on the *Spin-treat*, *std*, *disin*. and *Spin & Finish clean cloths* settings.

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

Rinse and interim spin

There is a spin after the main wash and between the rinses. A reduction in the final spin speed will also reduce the interim spin speed.

To omit the final spin (Rinse hold)

- Select the *Rinse hold* setting. The laundry will not be spun and will remain suspended in the final rinse water.

– To start the final spin:

The machine will display the maximum spin speed possible. You can select a spin speed lower than this. Start the final spin by pressing the *Start* button.

– To end the programme:

Press the *Door* button. The water will drain away. Press the *Door* button again to open the door.

To omit the spin between rinses and the final spin

- Select the *Without spin* setting. The water will be pumped away after the last rinse cycle. At the end of the programme, the drum continues to turn at intervals for up to 30 minutes to maintain uniform residual moisture throughout the load and to help prevent creasing (excluding the *Pads* and *New mops* programmes).

The *Rinse hold* and *Without spin* options are not available on the *Thermal disinfection*, *Chemo thermal disinfection* and *Cleaning cloths hygiene disinfection* programmes.

Delay start

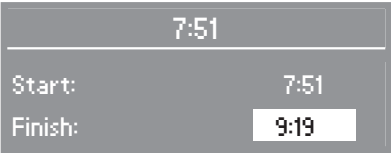
With delay start you can choose when you want the programme to end. The start of a programme can be delayed from 30 minutes up to a maximum of 24 hours, allowing you to make use of night-time economy electricity rates, for example.

The current time of day needs to have been set for delay start to work correctly.

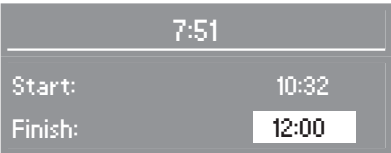
If you have selected the "No time displayed" option under *Settings/Supervisor level/Time of day*, the start time for a programme can be delayed by up to 96 hours.

To select delay start

- Select the programme you want and then press the ⊖ button.



The display shows the current time of day and the time the programme is due to finish.



- Use the + button to select the time you want the programme to finish at.

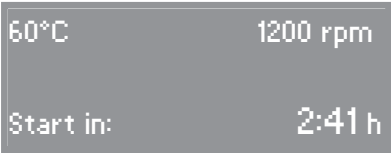
The first press on the button will adjust the finish time to the next full or half hour. Each subsequent press on the button will delay the finish time by 30 minutes.

Use the – button to shorten the time if you have chosen too long a time.

- Confirm the finish time by pressing the **OK** button.

To begin delay start

- Press the *Start* button.



The display will show how many hours and minutes are left until the programme start time.

To alter delay start

- Press the ⊕ button.
- Use the + and – buttons to alter the time you want the programme to finish at.
- Press the **OK** button to confirm.

To cancel delay start

- Press the ⊕ button.
- Use the – button to bring the finish time of the programme forward until the programme start time is the same as the current time of day.
- Press the **OK** button to confirm.

The programme will now start immediately.

The actual load size can only be determined accurately by the machine once the programme has started. The programme end time may, therefore, be a bit earlier than first indicated.

Programme chart

Mops	
Standard 60°C	
Max. 6.5 kg	
Fabric type	Cotton, mixed fibre and microfibre mops
Note	– A finishing agent can be used.*
Additional option	Additional pre-rinse
Detergent	Specially formulated detergent
Standard plus 60°C	
Max. 6.5 kg	
Fabric type	Cotton, mixed fibre and microfibre mops
Notes	– A finishing agent can be used. – The temperature can be altered.*
Additional option	Additional pre-rinse
Detergent	Specially formulated detergent
Thermal disinfection 85°C/15 min	
Max. 6.5 kg	
Fabric type	Cotton, mixed fibre and microfibre mops
Notes	– Further disinfection processes can be selected.* – A finishing agent can be used.*
Additional option	Additional pre-rinse
Detergent	Specially formulated detergent
Chemo thermal disinfection 70°C/10 min	
Max. 6.5 kg	
Fabric type	Cotton, mixed fibre and microfibre mops
Notes	– Further disinfection processes can be selected.* – A finishing agent can be used.*
Additional option	Additional pre-rinse
Detergent	Specially formulated detergent (disinfection parameters operating in your country must be observed)

* These settings can be selected via the Settings/Supervisor level menu.

Programme chart

Cleaning cloths	
Hygiene disinfection 70°C/10 min Max. 3.5 kg	
Fabric type	Cotton, mixed fibre and microfibre cleaning cloths
Notes	<ul style="list-style-type: none"> – A finishing agent can be used.* – Further disinfection processes can be selected.*
Additional option	Pre-wash
Detergent	Specially formulated detergent (disinfection parameters operating in your country must be observed)
60°C Max. 3.5 kg	
Fabric type	Cotton, mixed fibre and microfibre cleaning cloths
Note	– A finishing agent can be used.*
Additional option	Pre-wash
Detergent	Specially formulated detergent
40°C Max. 3.5 kg	
Fabric type	Cotton, mixed fibre and microfibre cleaning cloths
Note	– A finishing agent can be used.*
Additional options	Pre-wash
Detergent	Specially formulated detergent

Pads	
Pads 40°C Max. 1.0 kg	
Fabric type	Microfibre polishing cloths and buffers.
Additional option	Additional pre-rinse
Detergent	Specially formulated detergent

* These settings can be selected via the Settings/Supervisor level menu.

Further programmes

The list of further programmes varies depending on the setting (see Special progs. in the "Settings/Supervisor level" menu).

Standard	
New mops 60°C to 95°C max. 6.5 kg	
Fabric type	Cotton or mixed fibre mops
Note	– For washing new mops. Residues from the manufacturing process are washed out to leave mop heads more absorbent.
Detergent	Universal detergent or detergent for coloured fabric
Treat mops max. 6.5 kg	
Fabric type	Cotton, mixed fibre or microfibre mops
Notes	<ul style="list-style-type: none"> – For finishing clean mops. – The finishing agent can be placed in the fabric conditioner compartment or added externally.
Finish cleaning cloths max. 3.5 kg	
Fabric type	Cotton, mixed fibre or microfibre cleaning cloths
Notes	<ul style="list-style-type: none"> – For finishing clean cleaning cloths. – The finishing agent can be placed in the fabric conditioner compartment or added externally.
Maintenance programme	
	For cleaning the suds container and the drainage system. <ul style="list-style-type: none"> – Carry out the programme with the machine empty. – Detergent is required. – If you use disinfection programmes on a regular basis, the <i>Maintenance prog.</i> should be frequently carried out.
Detergent	Universal detergent

Programme chart

Curtains cold to 40°C		max. 3.0 kg
Fabric type	Curtains, including net curtains, specified as machine-washable by the manufacturer.	
Note	– For curtains which crease easily, reduce the spin speed or deselect the spin.	
Additional option	Pre-wash	
Detergent	Universal powder detergent, powder detergent for coloured fabric	
Separate rinse		max. 6.5 kg
Fabric type	Articles which have been washed by hand and only need to be rinsed and spun in the machine.	
Drain/Spin		max. 6.5 kg
Note	<ul style="list-style-type: none"> – Drain only: Select <i>Without spin</i>. – For spinning textiles. Please make sure you select the appropriate spin speed. 	

Programme chart


Ready-to-use	
Mops + treat 60°C to 90°C	
max. 6.5 kg	
Fabric type	Cotton, mixed fibre or microfibre mops
Notes	<ul style="list-style-type: none"> – Mops are washed and treated in one cycle. – The finishing agent can be placed in the fabric conditioner compartment or added externally. – There are four programme variations to choose from in which you can specify the residual moisture level: ●●●● (high level of residual moisture) to ● (low level of residual moisture).
Detergent	Specially formulated detergent
Treat mops	
max. 6.5 kg	
Fabric type	Cotton, mixed fibre or microfibre mops
Notes	<ul style="list-style-type: none"> – For finishing clean mops. – The finishing agent can be placed in the fabric conditioner compartment or added externally. – There are four programme variations to choose from in which you can specify the residual moisture level: ●●●● (high level of residual moisture) to ● (low level of residual moisture).
Separate rinse	
max. 6.5 kg	
Fabric type	Articles which have been washed by hand and only need to be rinsed and spun in the machine.
Drain/Spin	
max. 6.5 kg	
Notes	<ul style="list-style-type: none"> – Drain only: Select <i>Without spin</i>. – For spinning textiles. Please make sure you select the appropriate spin speed.
	–

Programme chart

Additional programmes, which appear when *Further programmes* is selected, can be activated via the *Settings/Supervisor level menu*.

Cottons 60°C		Max. 6.5 kg
Fabric type	Cotton, linen and mixed fibre fabric.	
Note	– For dark coloured fabric use a detergent for coloured fabric, or liquid detergent.	
Additional option	Pre-wash	
Detergent	Powder detergent, detergent for coloured fabric, liquid detergent, tablet detergent and liquid tab detergent.	
Cottons 90°C		Max. 6.5 kg
Fabric type	Cotton, linen and mixed fibre fabrics.	
Additional option	Pre-wash	
Detergent	Powder detergent, detergent for coloured fabric, liquid detergent.	
Intensive 40°C to 80°C		Max. 6.5 kg
Fabric type	Heavily soiled cotton, linen and mixed fibre fabric.	
Additional option	Pre-wash	
Detergent	Powder detergent, detergent for coloured fabric, liquid detergent, tablet detergent and liquid tab detergent.	
Intensive plus 60°C to 95°C		Max. 6.5 kg
Fabric type	Very heavily soiled cotton, linen and mixed fibre fabric.	
Additional option	Pre-wash	
Detergent	Powder detergent, detergent for coloured fabric, liquid detergent, tablet detergent and liquid tab detergent.	
Minimum iron 30°C to 60°C		Max. 3.5 kg
Fabric type	Synthetic, mixed fibre fabric and easy care cottons.	
Additional option	Pre-wash	
Detergent	Powder detergent, detergent for coloured fabric, liquid detergent, tablet detergent and liquid tab detergent	
Quick wash 20°C to 60°C		Max. 3.5 kg
Fabric type	Very lightly soiled fabric which can be washed in a <i>Cottons Universal</i> programme.	
Detergent	Powder detergent, detergent for coloured fabrics, liquid detergent, tablet detergent and liquid tab detergent	

Programme sequence

	Pre-spin	Pre-rinse	Main wash	Rinses		Spinning	
			Water level	Water level	Rinses	Ⓐ	Ⓑ
Mops							
Standard 60°C	✓	✓			2	✓	✓
Standard plus	✓	✓			2	✓	✓
Thermal disinfection	✓	✓			3	✓	✓
Chemo Therm. Dis.	✓	✓			3	✓	✓
Cleaning cloths							
Hygiene	-	✓			3	✓	✓
60°C, 40°C	-	✓			2	✓	✓
Pads							
Pads 40°C	-	✓			3	✓	✓
Further programmes							
New mops	-	-			2	✓	✓
Mops + treat	✓	✓			2	✓	✓
Treat mops	-	-	-		2	✓	✓
Finish cleaning cloths	-	-	-		2	✓	✓
Curtains	-	✓			3	-	✓
Cottons universal	-	-			2	✓	✓
Cottons hygiene	-	-			2	✓	✓
Intensive	-	✓			2	✓	✓
Intensive +	-	✓			3	✓	✓
Minimum iron	-	-			2	✓	✓
Quick wash	-	-			2	✓	✓
Separate rinse	-	-	-		2	-	✓
Drain / Spin	-	-	-	-	-	-	✓
 = Low water level							

Programme sequence

This machine has fully electronic controls with automatic load recognition. It takes in the right amount of water required for the programme depending on the amount of laundry and its absorbency rate. This means that programme cycles and durations can vary.

The programme sequences outlined in the chart are based on the basic default programme with a full load. Additional options which can be selected have not been taken into account.

The display shows the stage the programme has reached.

Pre-spin

In the *Standard*, *Standard plus*, *Thermal disinfection* and *Chemo thermal disinfection* programmes, mops are spun briefly after the Programme start.

Pre-wash/Pre-rinse

Some programmes include a Pre-rinse cycle to remove coarse soiling and detergent residues. In cases of very heavy soiling, an additional Pre-rinse or Pre-wash cycle can be selected depending on the programme.

Anti-crease

At the end of the programme, the drum continues to turn at intervals for up to 30 minutes to maintain uniform residual moisture throughout the load and to help prevent creasing (excluding the *Pads* and *New mops* programmes). The door can be opened and items removed at any time during the anti-crease phase.

Changing the programme sequence

To cancel a programme

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

- Turn the programme selector to *Finish*.

The suds will be pumped away and the programme is cancelled.

- Press the *Door* button.
- Remove the laundry
or
- Close the door and start a different programme.

The system lock on the machine is activated as soon as a Mops or Cleaning cloths disinfection programme is started. You will then not be able to change or cancel the programme or to open the door.

To interrupt a programme

- Switch the machine off with the ① button.

To continue with the same programme:

- Switch the machine back on again with the ① button.
- Confirm the message shown in the display, and then press the *Start* button.

To alter a programme

To alter a wash programme

After the start of a programme it is not possible to select a different programme.

You will need to cancel the current programme before you can select a new one.

To alter the temperature

With some programmes it is possible to select a different temperature up to 5 minutes after the programme has started.

- Press the **OK** button to highlight the temperature. You can use the **+** or **-** buttons to alter the temperature. Confirm with **OK**.

To alter the spin speed

- Press the **OK** button repeatedly until the spin speed is highlighted. You can use the **-** and **+** buttons to change the spin speed up until the final spin begins.

Pre-wash/Pre-rinse

It is not possible to select or de-select *Pre-wash/Pre-rinse* after the programme has started.

Changing the programme sequence

Adding or removing laundry after a programme has started

In some programmes you can add or remove items after the programme has started:

- Press the *Door* button to open the drum door.
- Add or remove items.
- Close the drum door.

The programme will continue automatically.

Please note:

Once a programme has started the machine cannot recognise any adjustment to the load.

For this reason, if laundry is added or removed after the start of a programme, the machine will always complete the programme cycle assuming a full load which can lead to an increase in the programme duration shown in the display.

The door cannot be opened if:

- the suds temperature is above **50°C**.
- the water is above a certain level.
- the programme has reached the *Final spin* stage.
- a Disinfection programme is running.

Detergent dispensing

Please follow the detergent manufacturer's instructions.

Instructions for use and recommended amounts for a full load are given on the detergent packaging.

The right amount to dispense will depend on the following:

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

The water hardness level

Hardness-range	mmol/l	German scale °d
Soft (I)	0 - 1.5	0 - 8.4
Medium (II)	1.5 - 2.5	8.4 - 14
Hard (III)	Above 2.5	Above 14

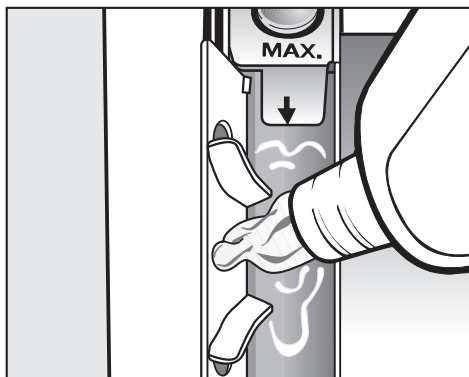
Water softeners

A water softener can be used to cut down on the use of detergents in hard water areas. First add detergent and then the water softener.

Use a quantity of detergent as for soft water.

Fabric conditioner or liquid starch

- Dispense according to the amount specified on the packaging.



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

It will be automatically dispensed in the last rinse.

If starching frequently, thoroughly clean the dispenser compartment, especially the siphon tube and fabric conditioner channel, regularly. See "Cleaning the detergent dispenser drawer". Do not use powder starch formulations or viscous liquid starch in the ☼ compartment as it will clog up.

Detergent

Colour run and dye removers/ dyes

- Do not use colour run or dye removers in this machine.
- Dyes suitable for use in a washing machine can be used. However, please note that the salt used in the dyeing process can cause corrosion to stainless steel components in the machine if you dye frequently. Always observe the manufacturer's instructions carefully.

External dispensing system

The machine is fitted with an adapter for an external dispensing system. Up to six dispensing hoses (not supplied) can be connected to the machine. The external pumps are controlled by relays in the machine. Each relay is switched on for 2 minutes at a time.

A separate conversion kit for electrically controlling the dispensing pumps is required. This must be fitted by a Miele authorised service technician.

	Pre-wash	Main wash	Rinses	Finishing
Mops				
Standard 60°C	-	R 2	R 4	R 6
Standard plus	-	R 2	R 4	R 6
Thermal disinfection	-	R 2	R 4	R 6
Chemo thermal	-	R 2 + R 5*	R 4	R 6
Cloths				
Cleaning cloths Hygiene	R 1	R 2 + R 5*	R 4	R 6
Cleaning cloths 40°C, 60°C	R 1	R 2	R 4	R 6
Pads				
Pads 40°C	-	R 2	R 4	-
R 1 = Relay 1 = Pre-wash detergent R 2 = Relay 2 = Main wash detergent R 3 = Relay 3 = Liquid detergent for delicates, or specialist detergent. R 4 = Relay 4 = Fabric conditioner R 5 = Relay 5 = Bleach / disinfectant R 6 = Relay 6 = Finishing agent				
			* Agent dispensed once the correct temperature has been reached.	

Detergent

	Pre-wash	Main wash	Rinses	Finishing
Further programmes				
New mops	-	R 2	R 4	-
Mops + treat	R 1	R 2	-	R 6
Treat mops	-	-	-	R 6
Treat cleaning cloths	-	-	-	R 6
Maintenance prog.	-	R 2	-	-
Curtains	R 3	R 3	R 4	-
Separate rinse	-	-	R 4	-
Cottons universal	R 1	R 2	R 4	-
Cottons hygiene	R 1	R 2	R 4	-
Intensive	R 1	R 2	R 4	-
Intensive +	R 1	R 2	R 4	-
Minimum iron	R 1	R 2	R 4	-
Quick wash	-	R 2	R 4	-
R 1 = Relay 1 = Pre-wash detergent R 2 = Relay 2 = Main wash detergent R 3 = Relay 3 = Liquid detergent for delicates, or specialist detergent. R 4 = Relay 4 = Fabric conditioner R 5 = Relay 5 = Bleach / disinfectant R 6 = Relay 6 = Finishing agent				

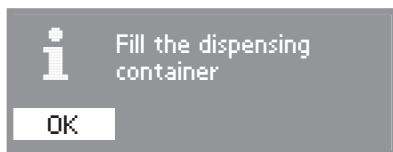
The relays are activated as shown in the chart. The containers must be filled with the correct detergent or agent in the order specified.

Do not use any detergents or agents containing chloride or acids.

Empty sensor

When the *Empty sensor* is activated, a message appears in the display to show when an external liquid agent container is empty (see *Settings/ Supervisor level menu*).

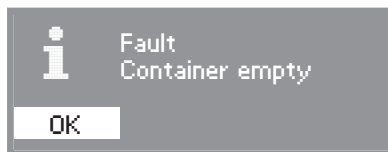
If a container is empty, the following message will come up in the display before the start of the programme or whilst the programme is running:



A programme that has already been started will continue to run until it has finished.

- Press the **OK** button to delete the message in the display, and refill the container.

If a **Disinfection programme** is running, the following message is displayed:




The programme will be cancelled.


- Press the **OK** button to delete the message in the display, and refill the container.
- Start the programme again.

⚠ If the container is empty for a disinfection programme, you have to assume that **no** disinfection has taken place. Start the programme again.

Cleaning and care


 Disconnect the machine from the mains electricity supply.

Cleaning the machine

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

Casing and control panel

- Clean the casing and control panel with a mild non-abrasive detergent or soap and water. Wipe dry with a soft cloth.
- Stainless steel areas can be cleaned using a suitable proprietary stainless-steel cleaning agent following the manufacturer's instructions on the packaging.

 The washing machine must not be hosed down.

Cleaning the drum, suds container and drainage system

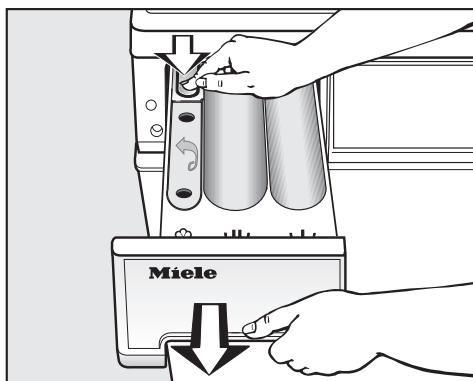
The drum, suds container and drainage system can be cleaned if necessary.

- Start the *Maintenance prog.* programme.
- At the end of this programme, check inside the drum and remove any coarse soiling.

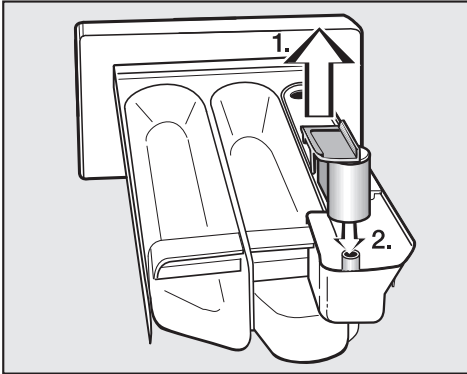
If you use disinfection programmes on a regular basis, the *Maintenance prog.* should be carried out frequently.

Cleaning the detergent dispenser drawer

Remove detergent residues regularly.



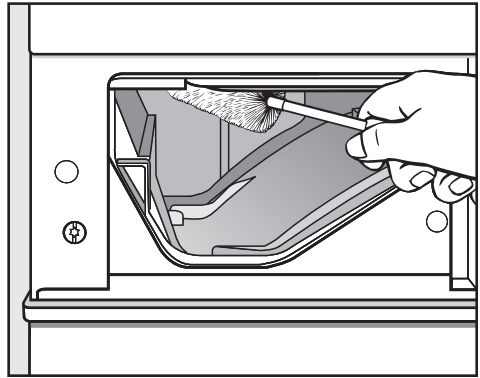
- Pull out the detergent dispenser drawer until a resistance is felt. Press down the release catch and at the same time pull the drawer right out of the machine.
- Clean the drawer with hot water.



■ Clean the siphon.

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

Cleaning the detergent dispenser drawer housing



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

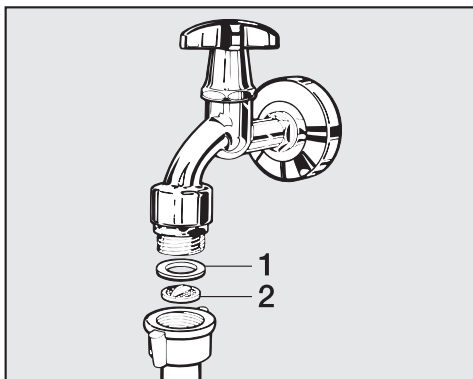
Cleaning and care

Cleaning the water inlet filters

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

To clean the filter in the inlet hose:

- First turn off the stopcock.
- Unscrew the threaded union connecting the free end of the inlet hose to the stopcock.

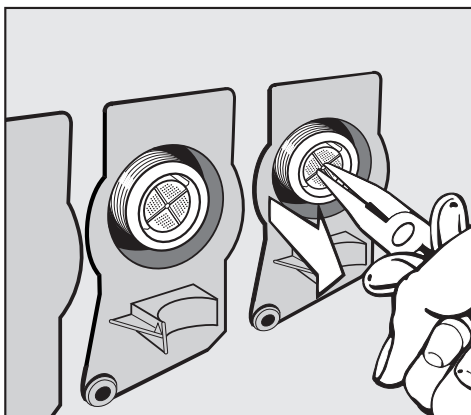


- Remove the rubber seal **1** from the recess.
- Using pointed nose pliers, take hold of the plastic filter bar **2** and remove.
- Clean the plastic filter.
- Put the filter and seal back in the reverse order and reconnect the hose.

Turn on the stopcock and check the connection is watertight. If water drips out, tighten the connection.

To clean the filter in the water inlet valve:


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



- Use pointed nose pliers to withdraw the plastic filter by the bar (see illustration). Clean, put back and secure.

The two filters **must** be replaced after cleaning.






With the help of the following notes, minor faults in the performance of the machine, some of which may result from incorrect operation, can be put right without contacting the Service Department.

 Repair work to electrical appliances should only be carried out by a suitably qualified person in accordance with local and national safety regulations. Repairs and other work by unqualified persons could be dangerous. The manufacturer cannot be held liable for unauthorised work.




The programme does not start

Problem	Possible cause	Remedy
The display remains dark and the programme selector is not lit up.	There is no power to the machine.	Check whether <ul style="list-style-type: none">– the electricity supply to the machine is switched on.– the fuse or circuit breaker has tripped.
The programme does not start when <i>Drain/Spin</i> has been selected.	The machine has not been prepared for using for the first time.	Prepare the machine as described in <i>Before using for the first time</i> .
The display is dark.	The display has switched off automatically to save energy (Standby mode).	Press a button. Standby comes to an end.


Problem solving guide

Fault messages in the display		
Message in the display	Possible cause	Remedy ①
 Water inlet fault	The water inlet is blocked or restricted.	Check whether <ul style="list-style-type: none"> – the stopcock is opened wide enough. – the inlet hose is kinked.
	The water pressure is too low.	<ul style="list-style-type: none"> – Select <i>Low water pressure</i> in the <i>Settings/Supervisor level</i> menu.
 Technical fault. Call Service	There is a fault.	Start the programme again. If the fault message appears again, contact the Service Department.
 Fault Disinfection temp. not reached	During the disinfection programme the water temperature was not reached.	The machine has not carried out the disinfection cycle correctly. Start the programme again.
 Waterproof system has reacted	The water protection system has reacted.	<ul style="list-style-type: none"> – Close the stopcock. – Call the Service Department.
 Drainage fault	The water outlet is blocked or restricted.	Call the Service Department.
i Fill the dispensing container or Fault Container empty	One of the external detergent containers is empty.	See "Detergent - Empty sensor".

① To switch off the fault message, press the *OK button*.

General problems		
Problem	Possible cause	Remedy
The machine shakes during the spin cycle.	The machine feet are not level.	Level the machine (see "Installation and connection").
Large amounts of detergent residue remain in the detergent dispenser drawer.	The water pressure is too low.	Clean the filters in the water inlet.
	Powder detergent used in conjunction with water softeners tends to become sticky.	In future, add washing powder into the dispenser drawer first, and then add the water softener.
Fabric conditioner is not completely dispensed or too much water remains in the  compartment.	The siphon tube is not correctly positioned or is clogged up.	Clean the siphon (see "Cleaning and care - Cleaning the detergent dispenser drawer").
The display is in a different language.	A different language has been selected in "Settings  "Language  .	Set the language you want. The flag symbol will guide you.

Problem solving guide

An unsatisfactory wash result		
Problem	Possible cause	Remedy
Liquid detergent does not give the required result.	Liquid detergents usually contain no bleaching agents. They do not remove fruit, coffee and tea stains.	<ul style="list-style-type: none">– Use a general purpose detergent containing a bleaching agent.– Pour stain removers into compartment  of the dispenser drawer and liquid detergent into a dispenser ball.– Never put stain removers and liquid detergent together in the dispenser drawer.
Grey, greasy particles cling to washed laundry.	Insufficient amounts of detergent were used to break down the particles of grease in heavily soiled laundry.	<ul style="list-style-type: none">– Use more detergent.– Before washing the next load run a Cottons 60°C programme with powder detergent but without a load.
White residues which look like powder detergent are seen on dark textiles after washing.	The detergent contained compounds (zeolites) to aid water softening which are not soluble in water. They have ended up on the laundry.	<ul style="list-style-type: none">– Try and brush off the residues with a soft brush once the laundry is dry.– Wash dark textiles using a detergent which contains no zeolites. Liquid detergents usually contain no zeolites.
Textiles have particularly greasy soiling.	<ul style="list-style-type: none">– Select a programme with pre-wash. Use a liquid detergent for the pre-wash and a powder detergent for the main wash. <p>The use of heavy-duty detergent is recommended in the main wash for very heavily soiled work clothing. Consult detergent producers for advice.</p>	

The drum door cannot be opened by pressing the *Door* button


Possible cause	Remedy
There is no power to the machine.	Check whether <ul style="list-style-type: none"> – the machine is switched on. – the electricity supply to the machine is switched on. – the fuse or circuit breaker has tripped.
Power cut.	Open the drum door as described in the next section.
The door was not correctly engaged.	Press hard against the lock side of the drum door and then press the <i>Door</i> button.
For safety reasons the drum door cannot be opened if the suds temperature is higher than 50°C.	

To continue a programme after an interruption to the power supply

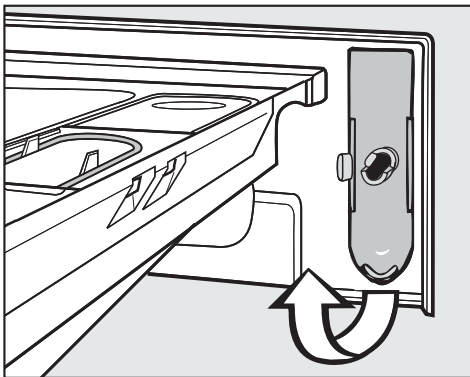
Possible cause	Remedy
Power cut.	<ul style="list-style-type: none"> – Once power has been restored, switch the machine on with the ① button to continue the programme. – Confirm the message shown in the display, and then press the <i>Start</i> button. The programme will then continue with the next programme stage.
The machine has been switched off and then back on again with the ① button.	

Problem solving guide

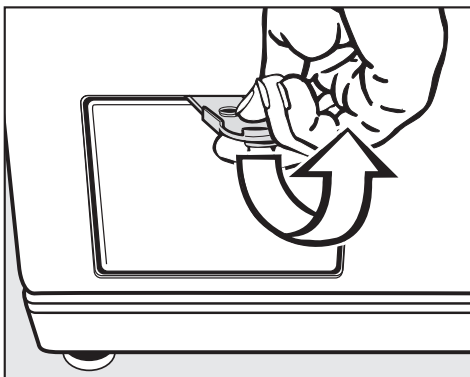
Opening the drum door in the event of a blocked drain outlet and/or power failure

 Disconnect the machine from the mains electricity supply.

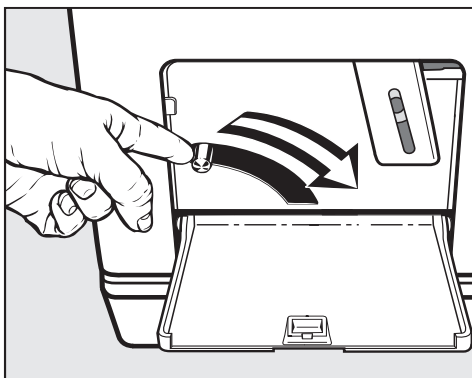
There is a lever behind the detergent drawer fascia panel which opens the access flap to the drain system.



- Remove the lever.




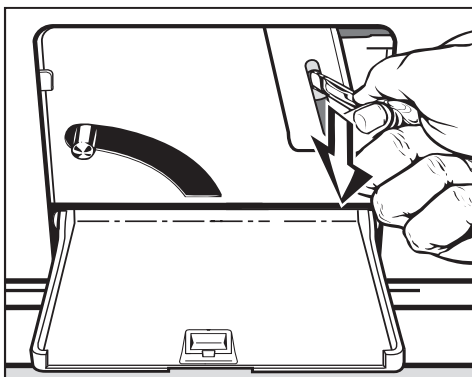
- Use it to open the access flap.



- Push the emergency drain lever downwards (see illustration) and hold until no more water runs out.

Opening the drum door

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

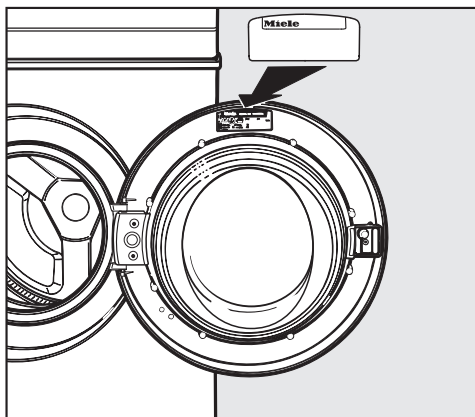


- Use a spoon handle to pull the emergency release downwards (see arrow). The drum door will open.

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

- your Miele dealer, or
- the Miele Service Department (see back cover for contact details).

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



N.B. A call-out charge will be applied for unnecessary service visits where the problem could have been resolved as described in these instructions.

PC / Optical interface

The indicator or check light marked **PC** on the fascia panel is the interface used by Miele service technicians during servicing work for testing purposes and for updating the machine's programme data.

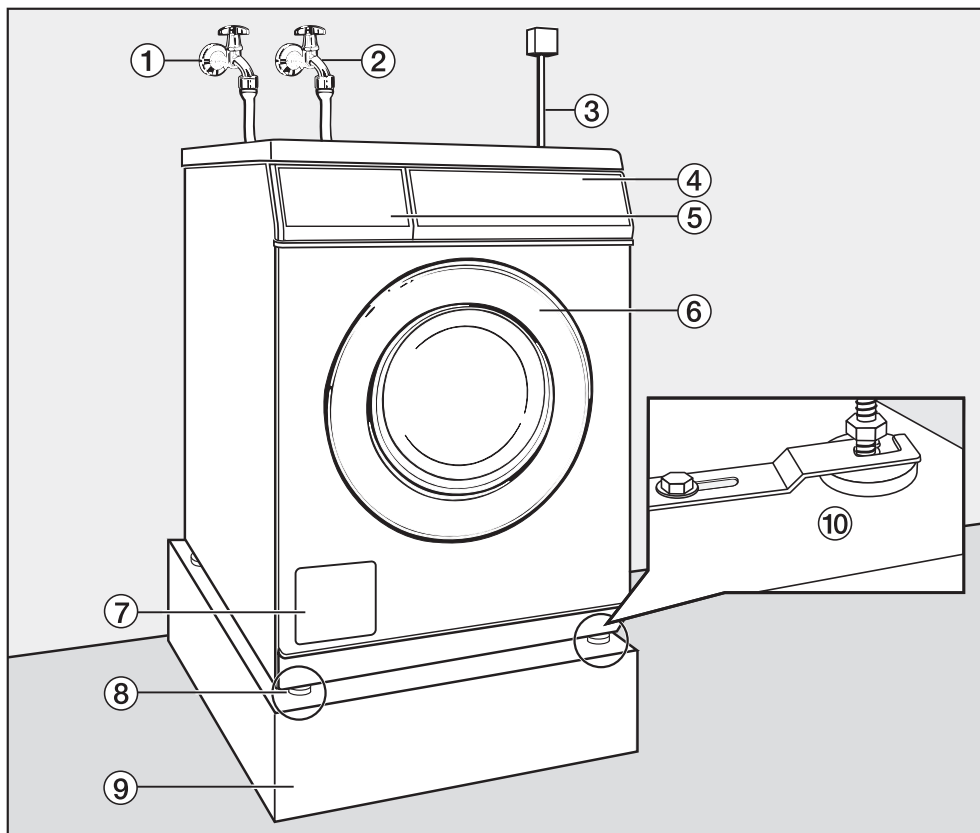
Optional accessories

Optional accessories for this washer-extractor are available from your Miele Dealer or from the Miele Spare Parts Department.

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

Installation and connection

Front view



① Inlet hose (cold water)

② Inlet hose (hot water)

③ Electrical connection

④ Control panel

⑤ Detergent dispenser drawer

⑥ Drum door

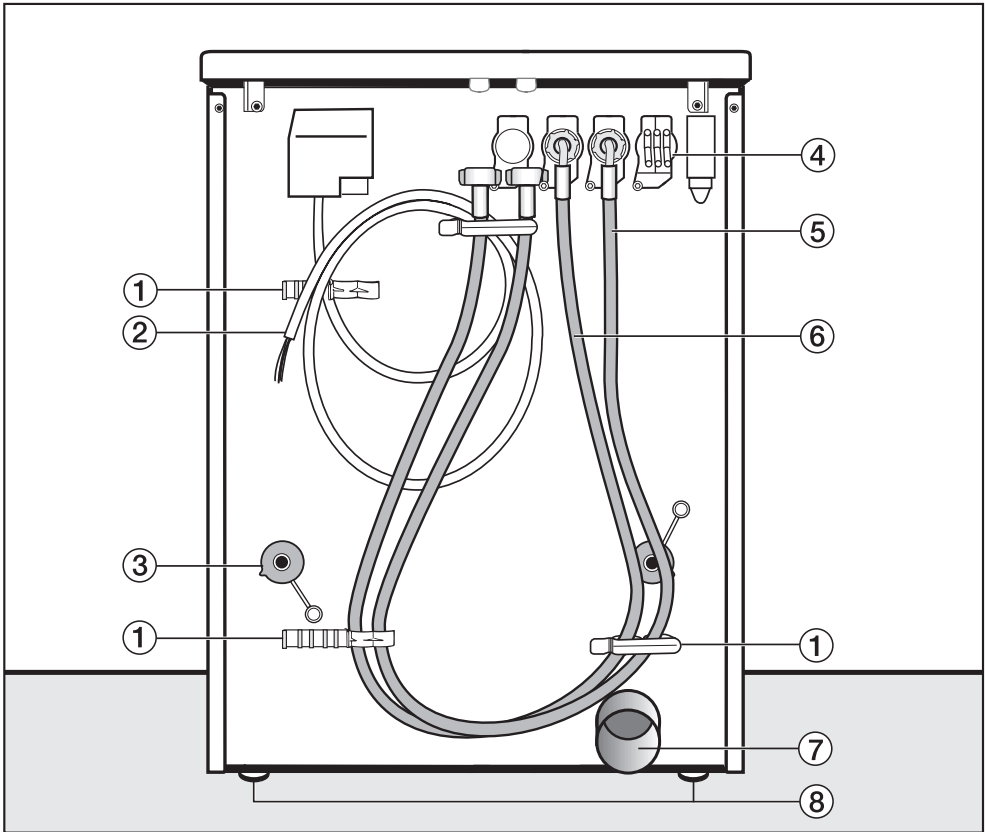
⑦ Access flap to the drain valve and emergency door release

⑧ Height adjustable feet

⑨ Plinth

⑩ Fixing bracket (for installing on a concrete plinth)

Rear view



① Holder for:

- Inlet hose
- Transit bars when removed

② Mains connection cable

③ Safety cap for transit bars

④ Adapter for external dispensing system

⑤ Inlet hose (cold water)

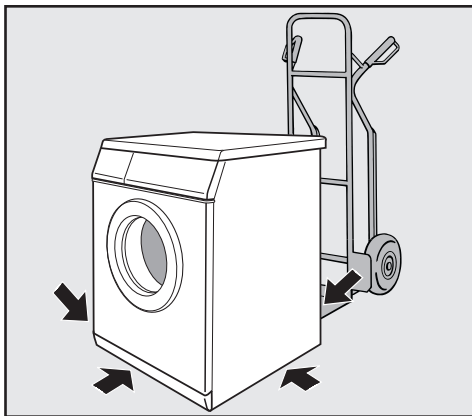
⑥ Inlet hose (hot water)

⑦ Drain pipe


⑧ Height adjustable feet

Installation and connection

Installing the machine




- Remove the packaging and position the machine where you want to use it.

 Ensure the machine is stable during transportation.


This washer-extractor is not suitable for building under.

The machine must be permanently connected to the electricity supply so that the door can be opened. For this reason, it must not be connected to devices such as timers which would switch it off automatically.

Please place the sticker supplied, with the following text, near your machine. "The machine must be permanently connected to the electricity supply so that the door can be opened. Do not open by force."

 Do not install the machine near or directly above an open gully or floor drain. Moisture from these can penetrate the machine and damage electrical components.

Installation surface

 Ensure that the machine feet and the floor are dry to prevent the machine from slipping during the spin cycle.

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

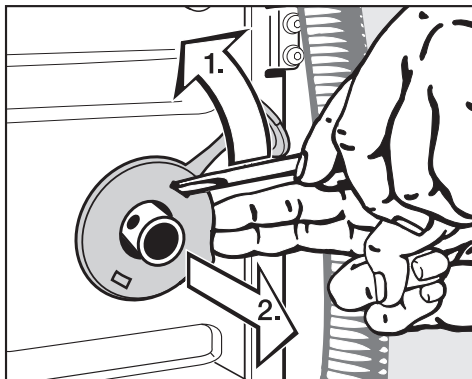
- The machine must be level and securely positioned.
- To avoid vibrations during spinning, the machine should not be installed on soft floor coverings.

If installing on a wooden joist floor:

- We recommend a plywood base (at least 70 x 60 x 3 cm). The base should span several joists and be bolted to the joists and not only to the floorboards. Check for the presence of pipes and cables first.
- If possible, install the machine in a corner, as this is usually the most stable part of the floor.

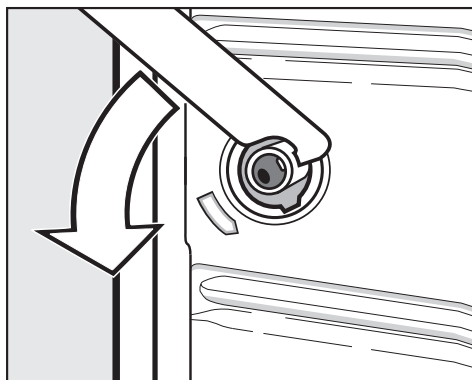
Removing the transit bars

- These must be removed before the machine is used for the first time.



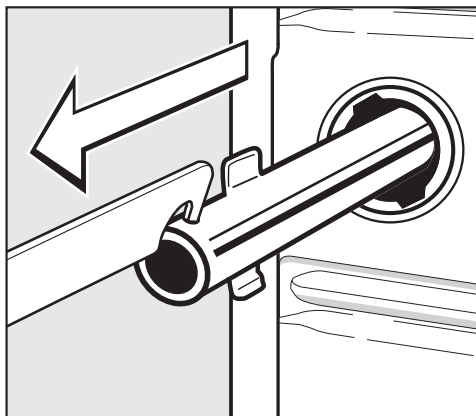
- To remove the left and right covers

1. Use a screwdriver to prise out the cover as illustrated.
2. Pull the cover forwards to remove.

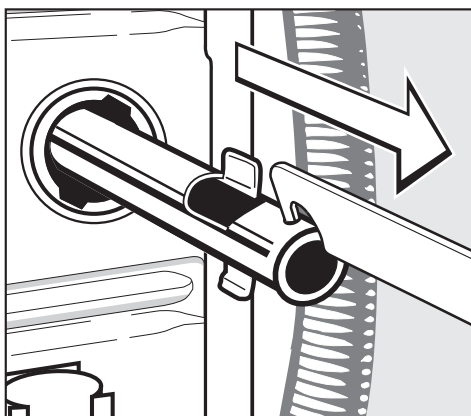


- Using the notched end of the spanner supplied, turn the left-hand transit bar 90°, then

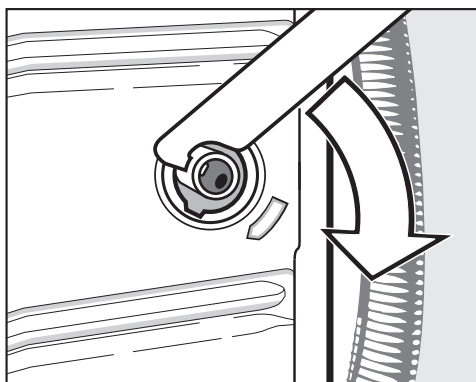
Installation and connection



- withdraw the transit bar.

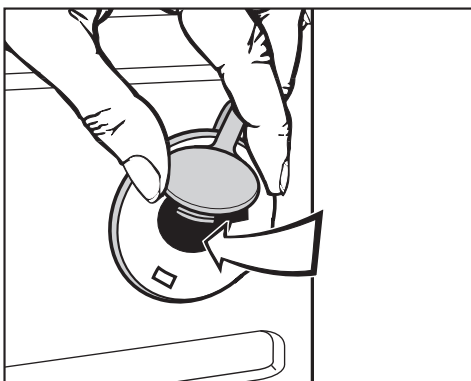


- withdraw the transit bar.

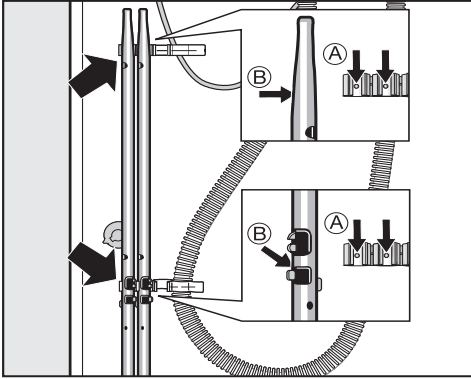


- Turn the right-hand transit bar 90°, then


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



- Fit the covers onto the two holes. Then plug the holes as shown with the caps.



- Secure the transit bars to the back of the machine. Make sure that holes **(B)** are fitted over retainers **(A)**.

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

Re-fitting the transit bars

Re-fitting is carried out by reversing the procedure.

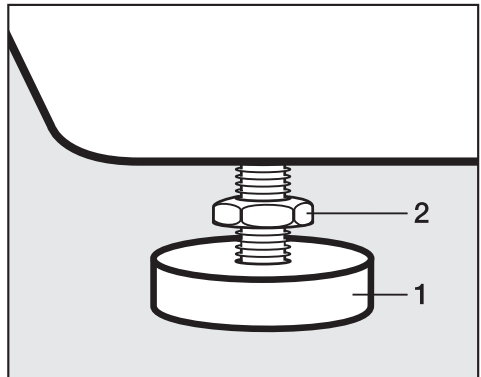
Levelling the machine

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

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

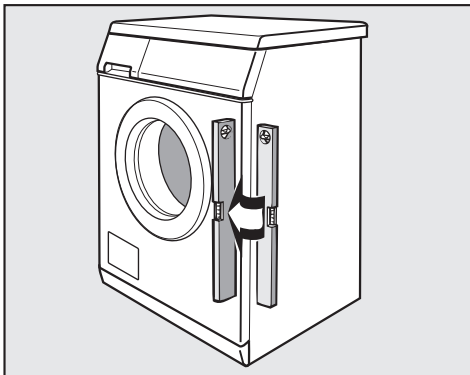
Screwing out and adjusting the feet

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



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

Installation and connection

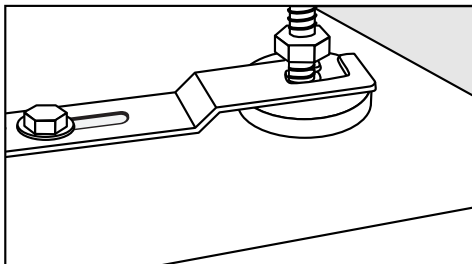


- Use a spirit level to check the machine is standing level.
- Hold foot **1** securely with a pipe wrench. Turn counter nut **2** again using the spanner supplied until it sits firmly up against the housing.



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

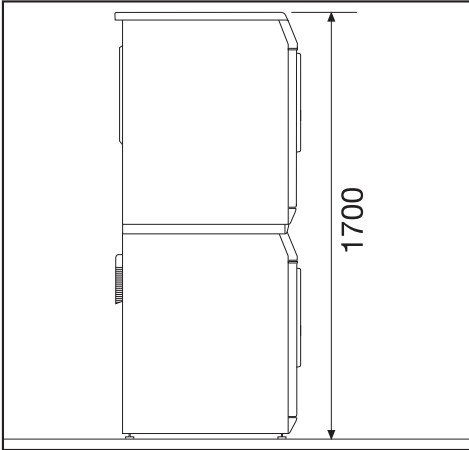
Securing the machine to prevent it slipping



- Secure both front feet on the washing machine using the fixing brackets supplied.
- Follow the fitting instructions supplied.

Washer-dryer stack

A Miele tumble dryer can be stacked on top of this washer-extractor. A "WTV" stacking kit (optional accessory) is required for this.




The stacking kit must be fitted by a Miele authorised service technician.

Replacing the lid

If the lid to the washer-extractor has been removed to stack it with a tumble dryer, this must be replaced securely when the washer-dryer stack is dismantled.

Installation on a raised plinth

The washer-extractor can be installed on a steel plinth (open or closed, available as an optional Miele accessory) or on a concrete plinth.

 If the machine is installed on a plinth, it **must** be secured using the fixing brackets supplied with the machine. Otherwise there is the danger of the machine moving and falling off the plinth during spinning.

Installation and connection

Plumbing

The machine must be connected to the water supply in strict accordance with current local and national water authority regulations.

UK only:

This machine is a WRAS approved product. To comply with WRAS requirements, this machine must be connected to the potable water supply via the non-return valves supplied with it.


The machine is designed to operate with a flow pressure of between 1 and 10 bar (100 kPa and 1,000 kPa). At higher water pressures it is essential to fit a reducer valve.

Connection to the water supply should be carried out by a qualified plumber and should incorporate a stopcock with a 3/4" thread. The stopcock should be fitted by a qualified plumber.

The machine is supplied as standard with two hoses, for connection to a cold or a hot and cold water supply.

Connection to the cold water supply

The cold water inlet hose (blue stripes) must be connected to the on-site cold water supply via a 3/4" threaded union. It is **not** suitable for connection to a hot water supply.

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

Maintenance and care

Only use a genuine Miele hose should you ever need a replacement. Miele hoses are tested to withstand pressure of at least 70 bar (7,000 kPa).

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

Extension hose

Longer hoses 2.5 or 4.0 m in length are available from your Miele dealer or the Miele Spare Parts Department as optional extras.

Connection to the hot water supply

To keep electricity consumption costs down this machine can be connected to a **(ring) piped hot water supply**. The maximum temperature must not exceed 70°C.

It is not economical to run it from an individual hot water supply if it is not in continuous use, as the water in the supply pipes cools down and more energy would be required to reheat the water.

For hot water connection the same conditions apply as for cold water connection.

The inlet hose with the red stripes (hot water hose) is connected to the stopcock.

For operational reasons the machine must not be connected to hot water only.

If the machine is **not** connected to a hot water supply, the water settings for the *main wash*, *pre-wash* and *rinses* must be re-programmed and the hot water inlet hose must be detached:

- Go to the *Settings menu/Supervisor level* and select the cold option for each of the above.

The programme durations may be longer.

- Unscrew the inlet hose (hot water - red stripes).
- Plug the inlet connection with the cap supplied.


Connection to drainage

A motorised dump valve is used to drain the machine. A DN 70 angle connector can be used for draining the machine via an on-site gully (with odour trap).

N.B. If not supplied with the machine an angle connector is available through the Miele Spare Parts Department.

Installation and connection

Electrical connection

 All electrical work must be carried out by a suitably qualified and competent person in accordance with current local and national safety regulations (BS 7671 in the UK).

The machine must only be operated with the voltage, frequency and fuse rating shown on the data plate supplied with the machine. Please ensure these match the site mains supply.


We recommend connecting the machine to the power supply via an IP44 plug and socket which must be easily accessible for servicing and maintenance work after the machine has been installed.


For hard-wired machines, connection should be made via a suitable mains switch with all-pole isolation which when in the off position ensures a 3 mm gap between all open contacts.


For extra safety and protection we recommend connecting the machine by a 30 mA residual current device (RCD).

An electrical safety test must be carried out after installation and after any service work.

The mains connection cable may only be replaced by an original Miele spare part.

 If the machine is disconnected from the electricity supply adequate measures must be taken to ensure that the machine cannot be reconnected to the electricity supply until all work has been carried out.

 This machine can be converted to a different voltage. Please observe the switching instructions given on the wiring diagram. Conversion may only be carried out by a Miele authorised service dealer or Miele technician. If the machine has been converted, the *heater rating* must also be adapted.

 The machine must be permanently connected to the electricity supply so that the door can be opened. For this reason, it must not be connected to devices such as timers which would switch it off automatically.

WARNING
THIS MACHINE MUST BE
EARTHED

Single phase AC 230 V - country variant

This device is intended for connection to the power supply with Earth Fault Loop impedance Z_s not exceeding 0.38 Ohms.

If in doubt please contact your electricity supplier or a qualified electrician for advice.

Technical data

Height	850 mm
Width	595 mm
Depth	725 mm
Depth with door open	1,085 mm
Weight	109 kg
Max. floor load in operation	3000 Newton
Capacity	6.5 kg dry laundry
Voltage	See data plate
Connected load	See data plate
Fuse rating	See data plate
Emission sound pressure level in accordance with EN ISO 11204/11203	< 70 dB re 20 µPa
Minimum water flow pressure	100 kPa (1 bar)
Maximum water flow pressure	1000 kPa (10 bar)
Inlet hose length	1.55 m
Mains connection cable length	1.80 m
Product safety standard	EN 10472, EN 60335
Test certificates awarded	See data plate

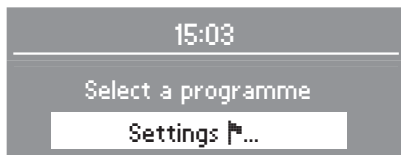
Settings menu for changing standard settings

The Settings menu is used to alter the machine's electronics to suit different requirements.
Settings can be altered at any time.

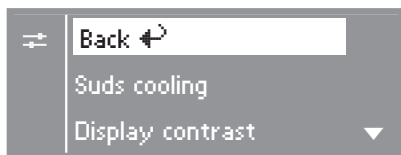
Settings menu

To open the **Settings** menu

- 1 Turn the programme selector to *Finish*. The entry menu will appear.



- 2 Confirm your selection by pressing the **OK** button.
- 3 You are now in the *Settings* menu.



- 4 Use the **-** and **+** buttons to select the setting you want and confirm your selection by pressing the **OK** button.

To close the **Settings** menu

- Select *Back* and confirm your selection. The display will return to the entry menu.

Suds cooling

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

Suds cooling takes place when temperatures of more than 70°C are selected.

Suds cooling should be activated:

- where the drainage pipes do not comply with DIN 1986.

The machine is delivered with Suds cooling activated.

Display contrast

There are ten different display contrast settings.

The machine is delivered with the display contrast on Setting 4.

The display contrast will change as soon as a different setting is chosen.

Display brightness

There are ten different display brightness settings.

The machine is delivered with the display contrast on Setting 5.

The display brightness will change as soon as a different setting is chosen.

Settings/Supervisor level menu

The *Settings* menu (except for *Suds cooling*, *Display contrast* and *Display brightness*) are locked by a code to prevent them being accessed by unauthorised personnel.

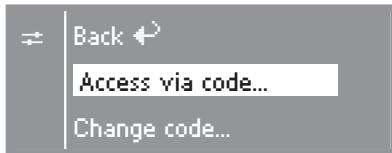
You are now in Supervisor level.
You can alter all the settings described previously as well as the settings on the following pages.

Change code

You can alter the code if you want to prevent it being accessed by unauthorised personnel.



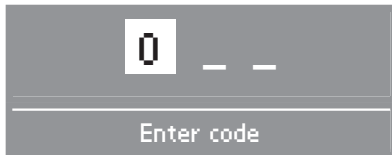
- Select *Supervisor level* and confirm your selection.



- Select *Access via code* and confirm your selection.

Enter code

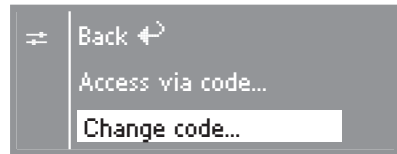
You will now be asked to enter a 3-figure code. The code is set at **000** at the factory.



- Use the **+** button to enter the first number. Confirm your selection of this number by pressing the **OK** button. Now enter the second number.
- Repeat the process until all three numbers have been entered.
- After entering the code, press **OK**, and confirm by pressing **OK** again.



- Select *Supervisor level* and confirm your selection.



- Select *Change code* and confirm your selection. Follow the instructions in the display.

Settings/Supervisor level menu

Time of day

First select either a 24 hour or 12 hour clock or to not have a clock displayed at all. Then set the current time of day.

If you select the "No time displayed" option here, the start time for a programme can be delayed by up to 96 hours.

To select a 24 hour or 12 hour clock

- Select the clock option you want and confirm your selection.

The display will then change to the screen for setting the time of day.

To set the time (of day)

- Set the hour with the – and + buttons and confirm your setting by pressing the **OK** button. Now set the minutes. The display will return to the *Settings* menu.

Language

The display can be set to appear in one of several different languages.

- Select the language you want and confirm your selection.

Standby

To save energy, the display goes out after 10 minutes and the indicator light for the *Start* button flashes slowly.

Turning the programme selector or pressing a button switches the display back on again.

There are two options:

On

Standby comes on:

- if a programme is not selected after the machine has been switched on.
- after a programme has started.
- after the end of a programme.

Not in current Prog.

(the machine is delivered with this option selected)

Standby comes on:

- if a programme is not selected after the machine has been switched on.

Memory

If an additional option has been selected for a programme, or the recommended temperature or spin speed has been altered, the machine will store the changes in memory at the start of a programme.

When this programme is chosen again these settings will appear in the display.

The machine is delivered with the memory function deactivated.

Auto load control

This machine has fully electronic controls with automatic load recognition. If the auto load control is deactivated, the machine will always carry out the programme sequence based on a full load.

The machine is delivered with this option activated.

Pre-wash water

You can select hot or cold water for the pre-wash. Hot water can only be only taken in if the wash temperature is above 30°C.

The machine is delivered with the *Hot* water option selected.

Main wash water

You can select hot or cold water for the main wash. Hot water can only be only taken in if the wash temperature is above 30°C.

The machine is delivered with the *Hot* water option selected.

Rinse water

You can select hot or cold water for the final rinse cycle in certain programmes. Hot water can only be only taken in if the wash temperature is above 50°C.

The machine is delivered with the *Cold* water option selected.

Low water pressure

The *Low water pressure* setting can be activated to ensure problem free water intake where the water pressure is constantly low (below 100 kPa).

The machine is delivered with this option deactivated.

Settings/Supervisor level menu

Standard plus temp.

The pre-set temperature can be changed in the *Standard plus* programme. There are 4 different temperatures to choose from.

40°C
60°C (factory default setting)
70°C
90°C

Pre-spin mops

In the *Standard*, *Standard plus*, *Thermal disinfection* and *Chemo thermal disinfection* programmes, wet mops are spun briefly at the start of the programme to remove surplus water.

The machine is delivered with this option activated.

Chemo thermal dis.

The pre-set disinfection process can be altered in the *Chemo thermal disinfection* programme. There is a choice of 4 temperatures with corresponding holding times.

40°C / 20 min
60°C / 20 min
70°C / 10 min (factory default setting)
71°C / 25 min

Thermal disinfection

The pre-set disinfection process can be altered in the *Therm. disinfection* programme. There is a choice of 2 temperatures with corresponding holding times.

75°C / 10 min
85°C / 15 min (factory default setting)

Hygiene disinfection

The pre-set disinfection process can be altered in the *Cleaning cloths hygiene dis.* programme. There is a choice of 4 temperatures with corresponding holding times.

40°C / 20 min

60°C / 20 min

70°C / 10 min (factory default setting)

85°C / 15 min

Finish Disinfection

In the *Thermal disinfection* and *Chem. therm. disinfection* programmes, the chemical finishing process can be activated to take place after the wash cycles (Finishing agent can be dispensed via the fabric conditioner compartment or via an external dispensing system).

The machine is delivered with the *No* option activated (no chemical finish).

Microfibre mops

When processing microfibre mops in the *Standard*, *Standard plus* and *Chem. therm. disinfection* programmes, the suds can be cooled down after the main wash to 45°C by adding cold water (Cool Down).

The machine is delivered with the *No* option activated (no Cool Down).

Finish Cleaning cloths

In the *Cleaning cloths hygiene dis.*, *Cleaning cloths 60°C* and *Cleaning cloths 40°C* programmes, the chemical finishing process can be activated to take place after the wash cycles (Finishing agent can be dispensed via the fabric conditioner compartment or via an external dispensing system).

The machine is delivered with the *No* option activated (no chemical finish).

Finish Standard

In the *Standard* and *Standard plus* programmes, the chemical finishing process can be activated to take place after the wash cycles (Finishing agent can be dispensed via the fabric conditioner compartment or via an external dispensing system).

The machine is delivered with the *No* option activated (no chemical finish).

Settings/Supervisor level menu

Spin-treat, std, disin.

After carrying out the finishing process in the *Standard* mop programmes, in the mop disinfection programmes and the *Treat mops* programme, you can determine the level of residual moisture, using the *Spin-treat, std, disin* setting.

There are four options:

◆◆◆◆ (high level of residual moisture)

to

◆ (low level of residual moisture)

Spin-treat, standard +

After carrying out the finishing process in the *Standard plus* mop programme, you can determine the level of residual moisture, using the *Spin-treat, standard +* setting.

There are four options:

◆◆◆◆ (high level of residual moisture)

to

◆ (low level of residual moisture)

Spin-treat cloths

After carrying out the finishing process in the *Cleaning cloths 40°C/ 60°C* and *Finish cleaning cloths* programmes, you can determine the level of residual moisture using the *Spin-treat cloths* setting.

There are four options:

◆◆◆◆ (high level of residual moisture)

to

◆ (low level of residual moisture)

Empty sensor

You can activate the *Empty sensor* option for the external liquid detergent containers so that a message appears in the display when a container is empty.

The factory default setting is *No* (no empty sensor).

Settings/Supervisor level menu

Further programmes

Selecting *Further programmes* offers you a choice of several more programmes.

0 = no additional programme (default setting).

Add Cottons = the *Cottons hygiene* and *Cottons universal* programmes are added.

Add Intensive/plus = the *Intensive* and *Intensive +* programmes are added.

Add Min. iron/Quick = the *Minimum iron* and *Quick wash* programmes are added.

Add all = all programmes are added.

Cottons level

You can increase the water level for the main wash in the *Cottons hygiene* and *Cottons universal* programmes.

The machine is delivered with the Block parameters option selected (the water level will be controlled according to the programme data which has been programmed on-site).

Minimum iron level

You can increase the water level for the main wash in the *Minimum iron* programme.

The machine is delivered with the Block parameters option selected (the water level will be controlled according to the programme data which has been programmed on-site).

Pre-wash temp. cottons

You can select the temperature you want the pre-wash to be carried out at in the *Cottons hygiene* and *Cottons universal* programmes.

The machine is delivered with the Block parameters option selected (the temperature will be controlled according to the programme data which has been programmed on-site).

Settings/Supervisor level menu

Pre-wash duration

You can lengthen the duration of the pre-wash.

The machine is delivered with the Block parameters option selected (the wash duration will be controlled according to the programme data which has been programmed on-site).

Cottons duration

You can increase the wash duration for the main wash in the *Cottons hygiene* and *Cottons universal* programmes.

The machine is delivered with the Block parameters option selected (the wash duration will be controlled according to the programme data which has been programmed on-site).

Minimum iron duration

You can increase the wash duration for the main wash in the *Minimum iron* programme.

The machine is delivered with the Block parameters option selected (the wash duration will be controlled according to the programme data which has been programmed on-site).

Pre-wash Cott/M-iron

You can choose for pre-wash to be carried out with every *Cottons* and *Minimum iron* programme.

The machine is delivered with the *Select via prog. menu* option activated.

List special progs.

The list of special programmes in the display can be changed.

Standard: The following programmes are displayed

- New mops*
- Treat mops*
- Finish cleaning cloths*
- Maintenance*
- Curtains*
- Separate rinse*
- Drain/Spin.*

Ready-to-use: The following programmes are displayed

- Mops + treat* ▲
- Mops + treat* ▲▲
- Mops + treat* ▲▲▲
- Mops + treat* ▲▲▲▲
- Treat mops* ▲
- Treat mops* ▲▲
- Treat mops* ▲▲▲
- Treat mops* ▲▲▲▲
- Separate rinse*
- Drain/Spin.*

No. rinses Cottons

You can alter the number of rinses which are carried out in the *Standard*, *Cleaning cloths*, *Cottons hygiene* and *Cottons universal* programmes.

- 2 rinses (factory default setting)
- 3 rinses
- 4 rinses
- 5 rinses


No. rinses Minimum iron

You can alter the number of rinses which are carried out in the *Minimum iron* programme.

- 2 rinses (factory default setting)
- 3 rinses
- 4 rinses

No. rinse disinfection

An additional rinse can be activated in the *Chemo thermal disinfection* and *Thermal disinfection* programmes. Rinsing takes place with hot water.

 Take care when removing the laundry at the end of the cycle as it may still feel hot to the touch.

The machine is delivered with this option deactivated.

Pre-rinse Cottons

A pre-rinse can be carried out in the *Cottons hygiene* and *Cottons universal* programmes.

The machine is delivered with this option deactivated.

Settings/Supervisor level menu

Pre-rinse Minimum iron

A pre-rinse can be carried out in the *Minimum iron* programme.

The machine is delivered with this option deactivated.

Temperature unit

You can chose for the temperature to be displayed in °C/*Celsius* or °F/*Fahrenheit*.

The machine is delivered with the °C option selected.

Energy usage control

When this option is selected, the machine will optimise the energy it uses in the *Cottons Hygiene*, *Cottons universal* and *Minimum iron* programmes.

The machine is delivered with this option activated.

To close the Settings menu

Select *Back* and confirm your selection. The display will return to the entry menu.

United Kingdom

Miele Co. Ltd.
Fairacres, Marcham Road
Abingdon, Oxon, OX14 1TW
Customer Contact Centre Tel: 0330 160 6600
E-mail: mielecare@miele.co.uk
Internet: www.miele.co.uk

Australia

Miele Australia Pty. Ltd.
ACN 005 635 398
ABN 96 005 635 398
1 Gilbert Park Drive, Knoxfield, VIC 3180
Tel: 1300 464 353
Internet: www.miele.com.au

China

Miele (Shanghai) Trading Ltd.
1-3 Floor, No. 82 Shi Men Yi Road
Jing' an District
200040 Shanghai, PRC
Tel: +86 21 6157 3500, Fax: +86 21 6157 3511
E-mail: info@miele.cn, Internet: www.miele.cn

Miele (Hong Kong) Limited

41/F - 4101, Manhattan Place
23 Wang Tai Road
Kowloon Bay, Hong Kong
Tel: (852) 2610 1331, Fax: (852) 2610 1013
Email: mielehk@miele.com.hk

India

Miele India Pvt. Ltd.
Ground Floor, Copia Corporate Suites
Plot No. 9, Jasola
New Delhi - 110025
Tel: 011-46 900 000, Fax: 011-46 900 001
E-mail: customercare@miele.in, Internet: www.miele.in

Ireland

Miele Ireland Ltd.
2024 Bianconi Avenue
Citywest Business Campus, Dublin 24
Tel: (01) 461 07 10, Fax: (01) 461 07 97
E-Mail: info@miele.ie, Internet: www.miele.ie

Manufacturer: Miele & Cie. KG

Carl-Miele-Straße 29, 33332 Gütersloh, Germany

Miele

Malaysia

Miele Sdn Bhd
Suite 12-2, Level 12
Menara Sapura Kencana Petroleum
Solaris Dutamas No. 1, Jalan Dutamas 1
50480 Kuala Lumpur, Malaysia
Phone: +603-6209-0288
Fax: +603-6205-3768

New Zealand

Miele New Zealand Limited
IRD 98 463 631
Level 2, 10 College Hill
Freemans Bay, Auckland 1011, NZ
Tel: 0800 464 353
Internet: www.miele.co.nz

Singapore

Miele Pte. Ltd.
163 Penang Road
04 - 03 Winsland House II
Singapore 238463
Tel: +65 6735 1191, Fax: +65 6735 1161
E-Mail: info@miele.com.sg
Internet: www.miele.sg

South Africa

Miele (Pty) Ltd
63 Peter Place, Bryanston 2194
P.O. Box 69434, Bryanston 2021
Tel: (011) 875 9000, Fax: (011) 875 9035
E-mail: info@miele.co.za
Internet: www.miele.co.za

United Arab Emirates

Miele Appliances Ltd.
P.O. Box 11 47 82
Gold & Diamond Park, Sheikh Zayed Road
Building 6 / Offices Nos. 6-214 to 6-220
Dubai
Tel: +971-4-341 84 44
Fax: +971-4-341 88 52
E-Mail: info@miele.ae
Internet: www.miele.ae