





Operating Instructions Washing machine



It is **essential** to read these operating instructions before installation or use of this appliance. This prevents both personal injury and damage to the appliance.





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Caring for the environment

Disposal of the packaging material

The cardboard box and packaging materials protect the appliance during shipping. They have been designed to be biodegradable and recyclable.

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

Disposal of your old appliance

Electronic and electrical appliances contain many valuable materials. They also contain certain materials, compounds and components which were essential for the proper functioning and safe use of the equipment. These could be hazardous to your health and to the environment if disposed of with general waste or if handled incorrectly. Therefore, please do not dispose of your old appliance with general waste.



Consult with local authorities, dealers or Miele in order to dispose of and recycle electrical and electronic appliances. Miele assumes no responsibility for deleting any personal data left on the appliance being disposed. Please ensure that your old appliance is kept away from children until removal. Observe safety requirements for appliances that may tip over or pose an entrapment hazard.

Important safety instructions

Warning

In order to reduce the risk of fire, electric shock, or injuries, persons operating the appliance must adhere to the following safety precautions:

▶ It is essential to read the operating instructions before using the washing machine.

▶ GROUNDING INSTRUCTIONS

The washing machine must be grounded. Connecting the appliance to ground reduces the danger of electric shock in the event of a malfunction. The grounding is a protective conductor which provides a path of least resistance for the current. The washing machine comes complete with a power cord and plug with the corresponding protective conductor. The power cord plug must be inserted into a suitable outlet that has been installed and grounded in compliance with all applicable local codes.

▶ **WARNING:** Incorrect grounding of the appliance will run the risk of electric shock. In case of doubt, get in touch with a qualified electrician and arrange to have your cabling inspected.

▶ Do not replace or make any changes to the plug supplied. If there is no suitable socket available, a socket must be installed by a qualified electrician.

▶ Do not use a damaged washing machine.

▶ Do not expose the washing machine to outdoor weather conditions.

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

Important safety instructions

- ▶ Before connecting the washing machine, make sure that the connection data on the data plate (voltage and connected load) match the domestic electricity supply. If in doubt, request the connection data from a qualified electrician.
- ▶ Do not connect the washing machine to the domestic electricity supply by a multi-socket adapter, extension lead or similar. These do not guarantee the required safety of the machine (fire hazard due to the risk of overheating).
- ▶ The washing machine is not intended for maritime applications or for use in mobile units such as motor homes or aircraft. However, installation in such scenarios may be possible under certain conditions. Get in touch with Miele's Technical Service department regarding these specific requirements.
- ▶ Do not make any changes or repairs on the washing machine if this is not expressly permitted in these operating instructions.
- ▶ Only Miele is permitted to replace a damaged power cord. Miele service technicians use original power cords from Miele.
- ▶ If hot-water systems are not used for longer than two weeks, there may be a buildup of hydrogen under certain conditions. **HYDROGEN IS EXPLOSIVE.** If the hot-water systems have not been in use for longer than two weeks, allow hot water to run from all valves for several minutes before operating the washing machine. This reduces the formation of hydrogen. Refrain from smoking and keep away from naked flames while the water valves are open. The gas will be flammable during this time.
- ▶ Remove the door or destroy the door lock before disposing of the washing machine.

Important safety instructions

Use

- ▶ Children are not allowed to play with, on, or inside the washing machine. If you are operating the washing machine in the presence of children, the children must be supervised at all times.
- ▶ The temperature of the porthole glass becomes very high during washing. Danger of burning! Refrain from touching the porthole glass. You must therefore keep children away from the porthole glass during the wash cycle.
- ▶ Only use the washing machine for washing fabrics with a care label stating that they are suitable for machine washing. Other applications may be dangerous.
- ▶ Do not wash any fabrics which have been cleaned, washed, or soaked with cleaning agents containing solvents (e.g. benzine) or other flammable substances. These fabrics release vapours which can ignite or explode. Do not add these kinds of fabric to a load of washing.
- ▶ Do not use any solvents or other flammable substances or explosive materials in the washing machine. These materials can release vapours which can ignite or explode.
- ▶ Never use solvent based cleaning agents on or in the washing machine. Surfaces are damaged on contact with cleaning agents.
- ▶ Always make sure that the drum is stationary before reaching in to remove laundry. Do not touch the drum whilst it is still rotating.
- ▶ Do not make any alterations to the machine.

KEEP THESE OPERATING INSTRUCTIONS IN A SAFE PLACE

Important safety instructions

- ▶ Miele tumble dryers and Miele washing machines can be installed as a washer-dryer stack. A Miele washer-dryer connection kit is required as an optional accessory for this. Please ensure that the washer-dryer connection kit is suitable for the Miele tumble dryer and the Miele washing machine.
- ▶ If installing the machine on a Miele plinth (available as an optional accessory), please make sure you order the correct one for this washing machine.
- ▶ Should detergent enter the eyes, rinse out immediately with plenty of lukewarm water. If accidentally ingested, seek medical advice immediately. People who have sustained damage to the skin or who have sensitive skin should avoid contact with the detergent.
- ▶ Be careful when opening the door following use of the steam function. There is a danger of burning due to escaping steam and the high temperature of the surface of the drum as well as the porthole glass. Step back and wait until the steam has dissipated.
- ▶ The maximum dry laundry weight is. See the “Program chart” for the maximum recommended loads for individual programs.
- ▶ Temporary or permanent operation on an autonomous power supply system or a power supply system that is not synchronized with the grid power supply (e.g., island networks, back-up systems) is possible. A prerequisite for operation is that the power supply system complies with the specifications of EN 50160 or an equivalent local standard.

The function and operation of the protective measures provided in the domestic electrical installation and in this Miele product must also be maintained in isolated operation or in operation that is not synchronized with the grid power supply, or these measures must be replaced by equivalent measures in the installation. As described, for example, in the current version of VDE-AR-E 2510-2 or an equivalent local standard.

FCC Declaration of Conformity

▶ These devices comply with FCC Rules Part 15. This equipment has been tested and found to be in compliance with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules of Operation and is subject to the following conditions:
These devices may not cause harmful interference.
These devices must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement

▶ This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 8" (20 cm) between the radiator and your body.

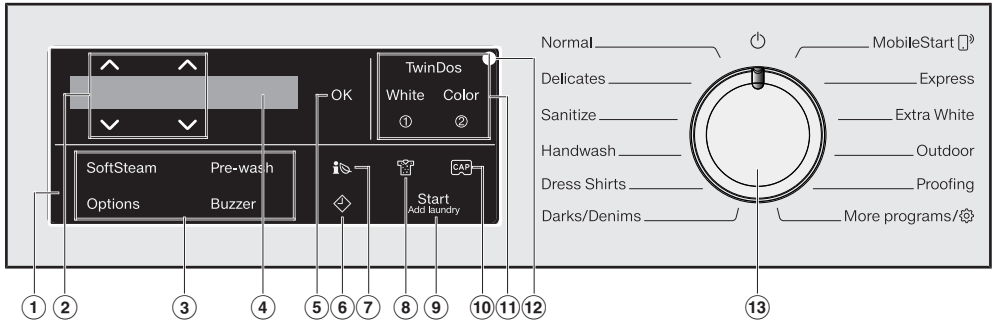
Industry Canada Statement

▶ This digital apparatus does not exceed the Class B limits for Radio Noise Emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Complies with Canadian ICES-003 Class B specifications.

Operating the washing machine

Control panel



① Control field

The control field consists of a display and various sensor buttons. The individual sensor buttons are explained in the following sections.

② Sensor buttons $\wedge \vee$

The values in the display can be changed with the $\wedge \vee$ sensor buttons. The \wedge sensor button increases the value or moves the selection list up; the \vee sensor button decreases the value or moves the selection list down.

③ Sensor buttons for extra options

You can supplement the wash programs with extra options. If a wash program has been selected, the sensor controls for the possible extra options light up dimly.

④ Display

The following values are displayed and/or selected on the display:

1. The temperature, spin speed, and time left for the selected wash program.

2. The individual values of the selection lists for extras and settings.


⑤ OK sensor button

The OK sensor button is used for confirming selected values.

⑥ Sensor button \diamond

The sensor button \diamond starts the delay start function. With the delay start function, you can delay the start of the program. The start of the program can be delayed from 15 minutes up to a maximum of 24 hours. This allows you to make use of night-time economy electricity rates, for example. Please see “Delay start” for more information.

7 **sensor button**

You can view information about the energy and water consumption of your washing machine with the  sensor button.

See “Washing environmentally and economically” under the “Feedback” section for additional information.

The following information will appear in the display:

- An estimate of the energy and water consumption before the program begins.
- The actual energy and water consumption during the program or at the end of the program.

8 **sensor button**

You can specify the degree of soiling of the load in three settings. This sensor button is only active with the *TwinDos* option activated.

9 **Start/Add laundry sensor button**

- (A) The program can be started as soon as the sensor button is flashing on and off. Touching the *Start/Add laundry* sensor button starts the selected program. The sensor button lights up constantly.
- (B) Once the program has been started, the *Start/Add laundry* sensor button allows you to add laundry.

10 **Sensor button**

Activate detergent dispensing with a capsule by using the sensor buttons.


11 **TwinDos sensor button with the additional White and Colour sensor buttons**

The *TwinDos* sensor button is used for deactivating and activating automatic detergent dispensing. Depending on the colour composition of the laundry load, control the composition of the detergent dispensing via the *White* or *Colour* sensor button. Please see “*TwinDos*” for additional information.

12 **Optical interface**

This is used by the Service department as a transmission point.


13 **Program selector**

for selecting programs and for switching the machine off. The washing machine is switched on by selecting a program, and switched off by turning the program selector to the  position.

Operating the washing machine

Appliance operation examples

Scrolling through a list

The  scroll bar in the display indicates that a selection is available.



The list scrolls down when the ∨ sensor button is touched. The list scrolls up when the ∧ sensor button is touched. The OK sensor button is used to activate the option in the display.

Identifying the selected option



An activated option in a list will have a check mark ✓ next to it.

Setting numerical values




The numerical value is highlighted in white. Touching the ∨ sensor button decreases the value. Touching the ∧ sensor button increases the value. The OK sensor button is used to activate the value in the display.

Exiting a sub-menu

Select Back  to exit a sub-menu.

Before using for the first time

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

Removing the protective foil and stickers

■ Remove:

- any protective film from the door
- any stickers from the front and the lid

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

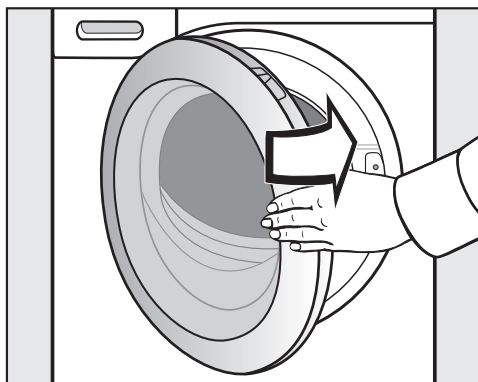
This washing machine has undergone a complete functional test at the factory and some residual water will therefore remain in the drum from this process.

Remove the detergent cartridges and the drain hose elbow from the drum

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



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



- Shut the door with a gentle swing.

Before using for the first time

Miele@home

Your washing machine is equipped with an integrated WiFi module.

To use this feature, you will need:

- A WiFi network
- The Miele@mobile app
- A Miele user account. The user account can be created via the Miele@mobile app.

The Miele@mobile app will guide you as you connect your washing machine to your home WiFi network.

Once your washing machine is connected to your WiFi network, you can use the app, for example, to carry out the following activities:

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

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

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

Availability of the WiFi connection

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

Miele@home availability

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

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

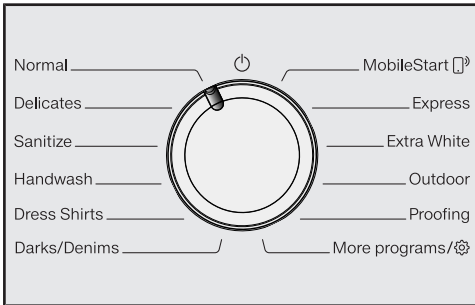
For information about availability, please visit www.miele.ca.

Miele app

The Miele App is available to download free of charge from the Apple App Store® or from the Google Play™ store.



Switching on the washing machine



- Turn the program selector to the *Normal* program.

The welcome tone will sound and the welcome screen will light up.

The display will guide you through the **5 steps** of the initial commissioning.

1. Setting the language

You will be asked to set the display language. It is possible to change the language at any time by setting the program selector to *Additional programs* in the *Settings* sub-menu.



- Touch the ∇/Δ sensor buttons until the language you want appears in the display.
- Confirm your choice of language by touching the *OK* sensor button.

2. Setting up Miele@home

The following message appears in the display:

i Miele@home

- Confirm with *OK*.

The following message appears in the display:

Set up now

- To set up Miele@home now, touch the *OK* sensor button.
- To postpone setup until later, touch the ∇ sensor button until *Set up later* appears in the display and press the *OK* button to confirm.

The following selection options appear in the display:

1. Connect via WPS
2. Connect via App

- Select the required connection type.

Connecting via WPS

- Follow the prompts on the display.

Connecting via Miele app


The following appears in the display:

Waiting for App.


- Now switch to the Miele app.
- Carry out the rest of the steps for the registration process in the Miele app.

Before using for the first time

3. Removing the shipping struts

 Damage resulting from failure to remove the transit bars. Failure to remove the shipping struts can result in damage to the washing machine and to adjacent cabinetry or appliances. Remove the shipping struts as described in “Installation and connection”.

The following message appears in the display:

-  Remove shipping struts
- Confirm with the *OK* sensor button.

4. Commissioning TwinDos


The UltraPhase 1 and UltraPhase 2 values are pre-set in the standard settings and only need to be confirmed.

The following message appears in the display:

-  TwinDos
- Confirm with the *OK* sensor button.

The following message appears in the display:

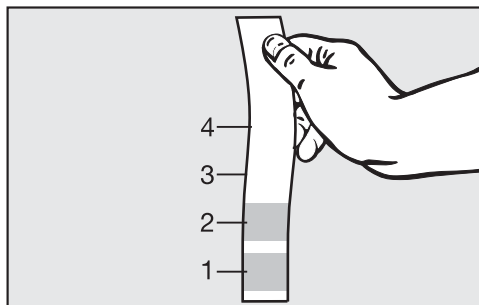
Set up now

- To set up TwinDos now, touch the *OK* sensor button.
- To postpone setup until later, touch the  sensor button until *Set up later* appears in the display and press the *OK* button to confirm.

Determining the water hardness




Water hardness is an indication of the amount of minerals dissolved in water. The more minerals in the water, the higher the water hardness and more detergent must be dispensed.

Useful tip: You can measure the water hardness yourself using the enclosed test strip. Alternatively, your local water authority will be able to tell you the hardness of water in your area.



- Dip the test strip in the water for approx. 1 second. Shake excess water off the test strip.

After approx. 1 minute, and based on the coloration, you will be able to read the water hardness from the table below.

Test strip	Hardness range
4 green areas	 Hardness level I
1 red area	
2 red areas	 Hardness level II
3 red areas	 Hardness level III
4 red areas	

Before using for the first time

Settings for compartment ①

The UltraPhase 1 values are pre-set in the standard default settings.



- Confirm with the OK sensor button.




- Confirm with the OK sensor button.

The following will appear in the display:




i Set the dosage. Observe water hardness levels

- Confirm with the OK sensor button.

The dispensing quantity for UltraPhase 1 for  (**hardness level I**) is pre-set.

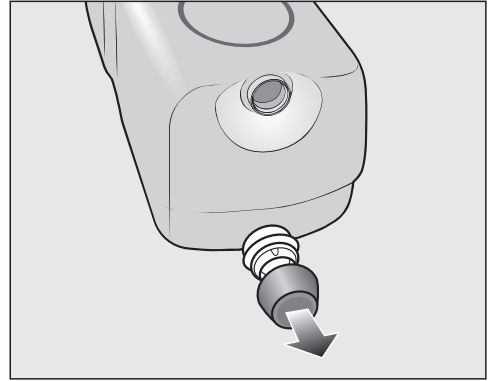


- Confirm the pre-set value with the OK sensor button. If you want to change this value, use the ∇/\wedge sensor buttons and confirm with the OK sensor button.

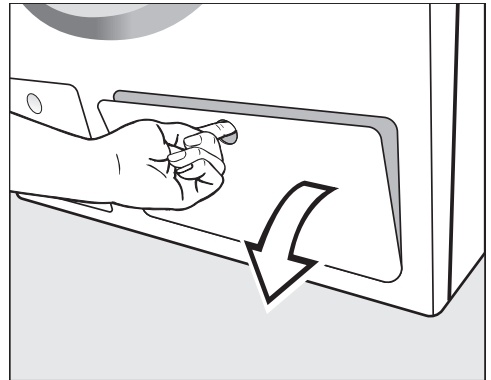
UltraPhase 1		
	Hardness level I	46 ml
	Hardness level II	58 ml
	Hardness level III	70 ml

The following will appear in the display:

i Insert ①

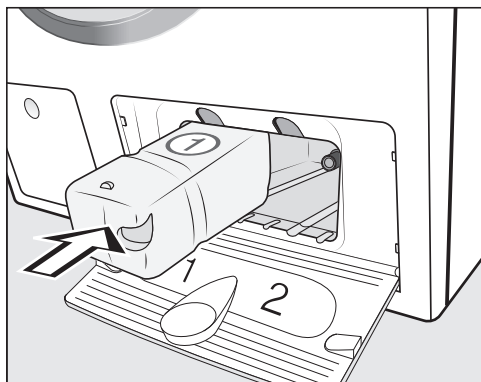


- Remove the cover cap from the **UltraPhase 1** detergent cartridge included with the delivery.



- Open the TwinDos flap.

Before using for the first time



- Push the **UltraPhase 1** detergent cartridge into **compartment 1** until it locks into position.

Settings for compartment ②

The UltraPhase 2 values are pre-set in the standard default settings.


After the cartridge has been pushed in, the display message switches to:



- Confirm with the *OK* sensor button.






- Confirm with the *OK* sensor button.

The dispensing quantity for UltraPhase 2 for  (**hardness level I**) is pre-set.

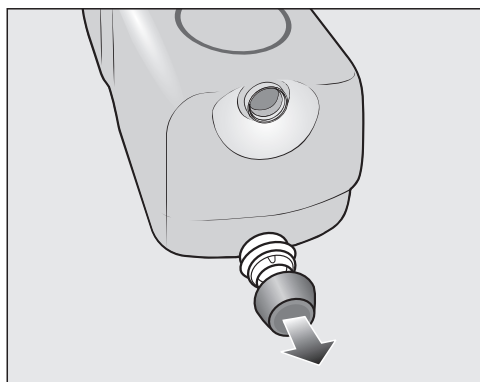


- Confirm the pre-set value with the *OK* sensor button. If you want to change this value, use the ∇/Δ sensor buttons and confirm with the *OK* sensor button.

UltraPhase 2		
	Hardness level I	36 ml
	Hardness level II	45 ml
	Hardness level III	54 ml

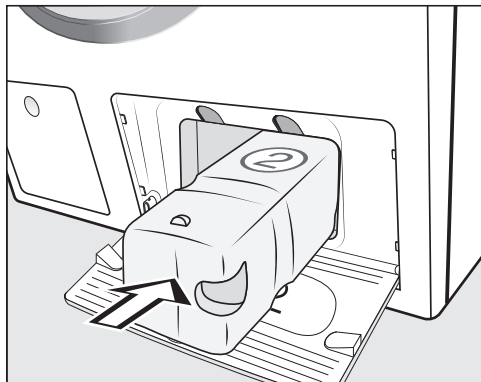
The following will appear in the display:

-  Insert ②



- Remove the cover cap from the **UltraPhase 2** detergent cartridge included with the delivery.

Before using for the first time



- Push the **UltraPhase 2** detergent cartridge into **compartment 2** until it locks into position.

When the cartridge is pushed in, the message in the display changes to:

i "TwinDos" set. Can be changed in "Settings".

- Confirm with the *OK* sensor control.
- Close the TwinDos flap.


5. Starting the calibration program

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

To do this, the *Normal* program **must** be run without laundry and without detergent.

No other programs can be started until calibration has been carried out.

The following message appears in the display:

Open  and run "Normal", "Hot +" without laundry.

- Touch the ∇ sensor button until the *OK* sensor button lights up and confirm with *OK*.
- Turn on the faucet.
- Touch the *Start/Add laundry* sensor button.

The washing machine calibration program has started. It will take approximately 2 hours.


At the end of the program the following message will appear in the display:

- i** Set up complete



- Take hold of the door and pull it open.

Useful tip: Leave the door slightly open to allow the drum to dry.

- Turn the program selector to the  position.

Environmentally friendly washing

Energy and water consumption

- To get the most out of your machine, load the maximum dry load for the program you are using. The energy and water consumption will then be the lowest in relation to the size of the load.
- When smaller amounts of laundry are washed, the automatic load control system will reduce the amount of water and energy used.
- Use the *Express* program for smaller, lightly soiled loads.
- Modern detergents make it possible to wash at lower temperatures (e.g. 20 °C). Using the corresponding temperature settings will save energy.
- Washing at low temperatures and/or using liquid detergents can cause bacteria and odours to build up in the washing machine. Miele therefore recommends cleaning the washing machine once every month.

The washing machine provides you with a reminder with the message Sanitize info: Run the "Sanitize" or "Clean Machine" program in the display.

Detergent consumption

- Use the TwinDos system for exact dispensing.
- Adjust the dosage to the level of soiling of the laundry.
- Do not exceed the amounts of detergent recommended on the packaging.
- Only use highly efficient detergent with the following label:




When drying with a tumble dryer

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

Environmentally friendly washing


Feedback

You can view information about the energy and water consumption of your washing machine with the  sensor button.

The following information will appear in the display:

- An estimate of the energy and water consumption before the program begins.
- The actual energy and water consumption during the program or at the end of the program.

1. Estimate

- After selecting a wash program, touch the  sensor button.

The estimated energy and water consumption levels will be displayed as a bar chart.



The more bars visible (|), the higher the energy or water consumption.

The estimate will vary depending on the wash program, temperature, and any extra options selected.

- Touch the **OK** sensor button or wait until the display automatically returns to the standard display.

2. Actual consumption

You can view the actual amount of energy and water used by a program both during and at the end of the program.


- Touch the  sensor button.



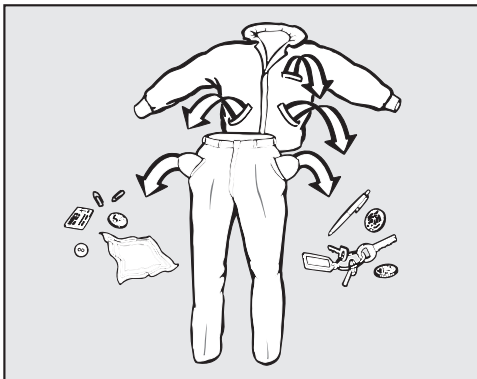
- Use the ∇/Δ sensor buttons to change to the estimated water-consumption levels.

The consumption will alter as the program progresses.

If the door is opened or the machine has switched off automatically at the end of the program, the data will revert to the estimated consumption.

Useful tip: You can view the consumption data for the last wash program in **Settings**  under **Consumption**.

1. Preparing the laundry



- Empty all pockets.

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

Sorting the laundry

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

Useful tip: Dark fabrics often contain excess dye and should be washed separately several times before being included in a mixed load. Wash light and dark coloured items separately.

Pre-treating stains

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

Useful tip: Stains (e.g. blood, egg, coffee, tea) can be pre-treated using some handy tricks which can be found in the Miele guide to laundry care. Please contact Miele directly or submit a request via Internet page to obtain or view a copy of this manual.

⚠ Damage due to solvent-based cleaning agents. Cleaning agents containing benzene, stain remover, etc., can damage plastic parts. When pre-treating a stain, make sure that plastic parts do not come into contact with cleaning agents.

⚠ Risk of explosion due to solvent-based cleaning agents. When using solvent-based cleaning agents, an explosive mixture may develop. Never use solvent-based cleaning agents in the washing machine.

General tips

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

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

2. Selecting a program

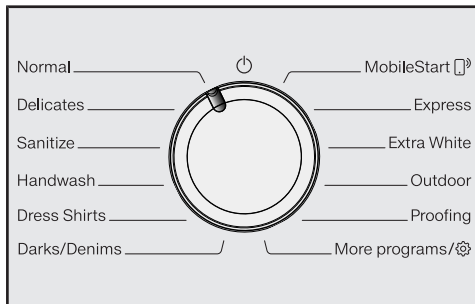
Switching on the washing machine

- Turn the program selector to a program.

Program selection

There are three possible ways to select a program:

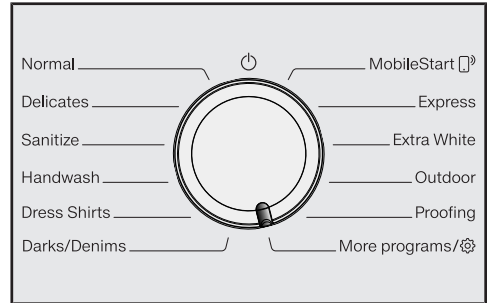
1. Selecting the standard programs with the program selector dial



- Turn the program selector to the required program.

The selected program will be shown in the display. This will then be replaced by the standard display.

2. Selecting additional programs by setting the program selector to “Additional programs/” and using the display:



- Turn the program selector to the *Additional programs/* position.

The following appears in the display:




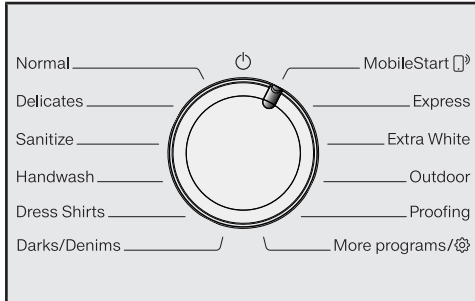
- Touch the ∨/∧ sensor buttons until the program you want appears in the display.
- Confirm the program with the *OK* sensor button.

Pre-set program parameters will be displayed, depending on the program selected.

2. Selecting a program


3. Selecting programs via the MobileStart program selector position and the Miele app

Useful tip: In order to use *MobileStart* , the washing machine must be logged on to the WiFi network and Remote control must be switched on.



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

The following appears in the display:

 Load laundry, close the door and press Start. Appliance can be remotely controlled

- Follow the instructions in the display and start the program.

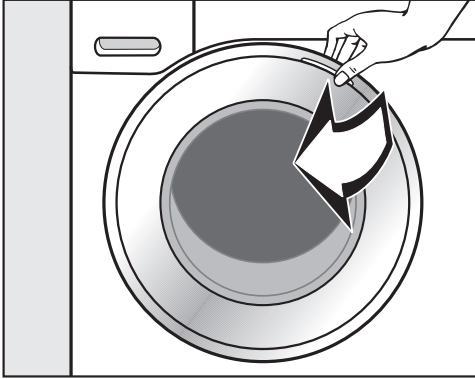
The following appears in the display:

 MobileStart 

The washing machine can now be operated with the Miele app.

3. Loading the washing machine

Opening the door



- Take hold of the door and pull it open.

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

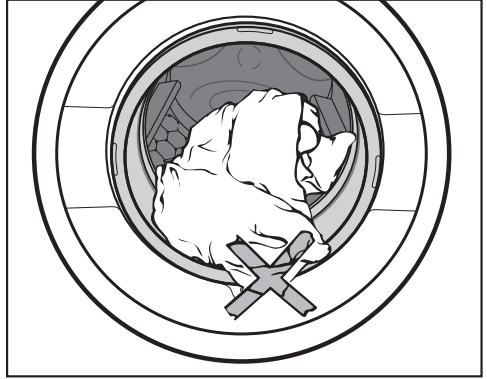
The most efficient use of energy and water consumption is achieved when a full load is washed. However, do not overload as this reduces cleaning efficiency and causes creasing.

- Unfold the laundry and load loosely into the drum.

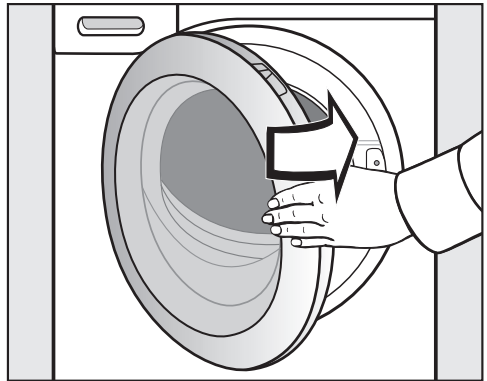
Mixing both large and small items gives better wash results and also helps to distribute the load evenly during spinning.

Useful tip: Please note the maximum load for different wash programs. The relevant program load is always shown in the display when you select a program.

Closing the door



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



- Shut the door with a gentle swing.

4. Selecting program settings

Selecting a temperature / spin speed

You can alter the pre-set temperature / spin speed of a wash program if this is permitted by the program.

The temperatures reached inside the washing machine might not be the same as the temperatures selected. Perfect wash results are achieved through a combination of energy use and wash duration.

- Touch the √∧ sensor buttons above or below the temperature or spin speed value in the display until the temperature / spin speed you want appears in the display.

Selecting an extra option

SoftSteam	Pre-wash
Options	Buzzer

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

Useful tip: You can select multiple options for a wash program.

Not all the extra options can be used with every program. If an extra option is not dimly lit, this option is not permitted for the wash program (see “Extra options”).

Options sensor button

You can select extra options using the *Options* sensor button.


- Touch the *Options* sensor button.

The following appears in the display:



- Touch the √∧ sensor buttons until the extra option you want appears in the display.
- Confirm the extra option with the *OK* sensor button.

Degree of soiling

The  sensor button is only active with the TwinDos option activated. See “5. Adding detergent – TwinDos” for more information.

4. Selecting program settings

Delay start/SmartStart

Delay start

With the delay start function, you can delay the start of the program.

This function is active when the setting *SmartGrid* is switched off.

The hours can be set in the values from 00 to 24. The minutes can be set in 15-minute increments from 00 to 45.

Setting the delay start time

- Touch the  sensor button.

The following will appear in the display:



- Set the hours with the ∇/\wedge sensor buttons. Confirm with the *OK* sensor button.

The display will change:



- Set the minutes with the ∇/\wedge sensor buttons. Confirm with the *OK* sensor button.

Useful tip: The values will count upwards and downwards automatically if you keep your finger on the ∇/\wedge sensor buttons.

Cancelling delay start

The selected delay start time can be cancelled before the program starts.

- Touch the  sensor button.

The selected delay start time will appear in the display.


- Set a time value of 00:00 h with the ∇/\wedge sensor buttons. Confirm with the *OK* sensor button.

The selected delay start time has been cancelled.

After the program has started, the selected delay start time can only be changed or cancelled by interrupting the program.

Changing delay start

The selected delay start time can be changed before the program starts.

- Touch the  sensor button.
- Change the specified time and confirm with the *OK* sensor button.

4. Selecting program settings


SmartStart

The SmartStart function lets you define a time period during which your washing machine will start automatically. The start takes place via a signal, e.g., from your energy supplier, that indicates that the electricity rates are particularly economical.

This function is active when the SmartGrid setting is switched on.

The time period can be defined between 15 minutes and 24 hours. During this period, the washing machine waits for the signal from the energy supplier. If no signal is sent during the defined period, the washing machine starts the wash program.

Setting the time period

If you have activated the SmartGrid function in Settings, SmartStart in instead of Start in will appear in the display when you touch the  sensor button (see “Settings – SmartGrid”).

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

- Use the \vee/\wedge sensor buttons to enter the hour and confirm your entry with the *OK* sensor button.

The hour will be saved and the minute numerical keypad will be highlighted.

- Use the \vee/\wedge sensor buttons to enter the minutes and confirm your entry with the *OK* sensor button.
- Press the *Start/Add laundry* sensor button to start the wash program with SmartStart.

The following will appear in the display:



There are several options for adding detergent to the washing machine.

TwinDos

The washing machine is equipped with the TwinDos system.

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


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

How UltraPhase 1 and UltraPhase 2 work

UltraPhase 1 is a liquid detergent which dissolves dirt and removes the most common stains. UltraPhase 2 is a bleaching agent and removes stubborn stains. For the best washing result, these two agents are dispensed at separate times during the washing process. UltraPhase 1 and UltraPhase 2 clean white and coloured fabrics thoroughly. UltraPhase 1 and UltraPhase 2 single-use cartridges are available to order from Miele's online store or Miele Experience Centers.

Activating TwinDos dispensing

TwinDos dispensing is automatically activated on all programs in which dispensing is possible.

Useful tip: The detergent dispensing quantities are pre-set. If too much foam builds up, the dispensing quantity for UltraPhase 1 and UltraPhase 2 can be reduced via *More programs*/ TwinDos.

Changing TwinDos dispensing

You can change the suggested colour composition of the laundry.

- Touch the *White* or *Colour* sensor button.


Deactivating TwinDos dispensing

- Touch the *TwinDos* sensor button.

The sensor button is only dimly lit and dispensing is deactivated.

Using other methods to remove stains




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


- Using the Booster cap and activating the CapDosing.
- Using chlorine bleach via the  compartment in the detergent dispenser drawer.


5. Adding detergent

Selecting the degree of soiling

The degree of soiling in laundry is divided into 3 settings:

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

The dispensing amount for TwinDos and the amount of water required for rinsing is pre-set for the  Normal degree of soiling.

- Touch the  sensor button to select a different degree of soiling.

The amount of detergent and water will be adjusted to suit the selected degree of soiling.

5. Adding detergent

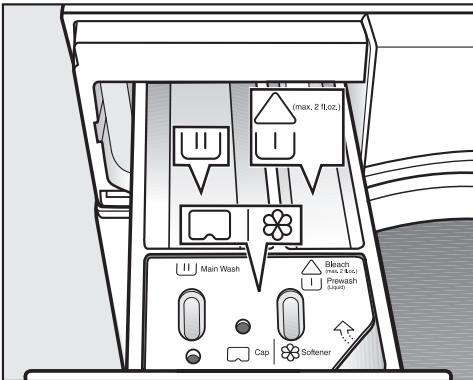
Detergent dispenser drawer

This washing machine requires particularly efficient detergent. Adhere strictly to the dispensing amounts supplied by the detergent manufacturer. The detergents must be marked with the following label:



Ensure that TwinDos dispensing is deactivated.

Filling with detergent



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

- △ Chlorine bleach for removing stains or liquid detergent for the pre-wash
- U Detergent for the main wash and soaking
- ⊗ Fabric softener, liquid starch, or capsules

Using chlorine bleach

⚠ Damage due to chlorine bleach. Textiles may be discoloured or their fibres damaged. Only use chlorine bleach on suitable fabrics.

The “Bleach” option **must** be enabled in the settings before chlorine bleach is first used.

Chlorine bleach may be used in the following programs:

- Normal
- Sanitize
- Wrinkle-free
- Dress Shirts
- Extra White
- Table Linens/Drapes
- Baby Clothes

Dispensing chlorine bleach

Follow the manufacturer's instructions on the packaging.


The *Pre-wash* extra option **must not** be selected.


- Pour **max. 60 ml** of chlorine bleach into the △U chamber.

The chlorine bleach is added automatically 10 minutes before the end of the main wash.

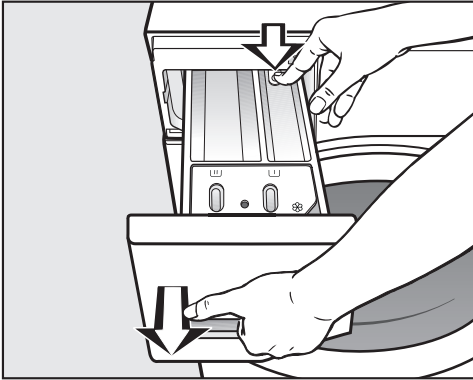
5. Adding detergent

Adding powder detergent

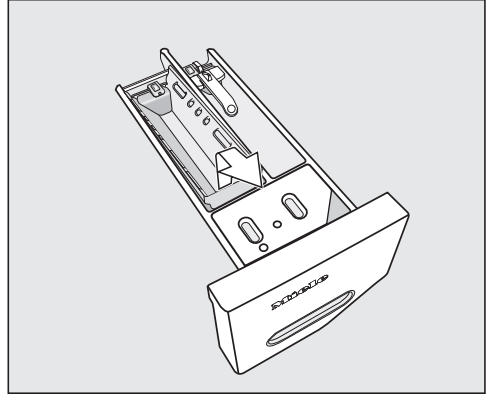
The detergent dispenser drawer contains an insert for liquid detergent in the  compartment as standard. This insert must be removed to use powder detergent.



It is **not possible** to use powder detergent in the  compartment.

A prewash cannot be carried out when using powder detergent.



- Remove the detergent dispenser drawer.



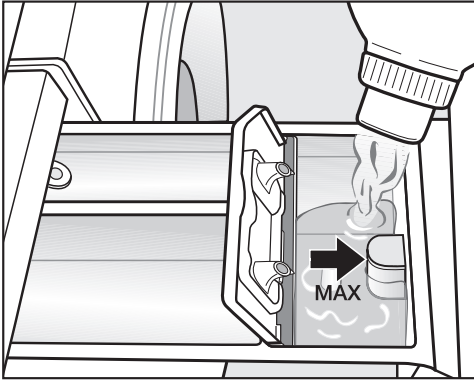
- Remove the insert for liquid detergents from the  compartment.
- Replace the detergent dispenser drawer.
- Add powder detergent to the  compartment.

Useful tip: Reinsert the insert into the detergent dispenser drawer before next using liquid detergent.

Useful tip: Use TwinDos dispensing if you want to run a program with the *Pre-wash* extra option.

5. Adding detergent

Adding fabric softener



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

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

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

Tips for dispensing

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

Too little detergent:

- The laundry is not cleaned properly and may become grey and hard to the touch over time.
- Can lead to a build-up of mold in the washing machine.
- Grease is not completely removed from the laundry.
- Can lead to limescale deposits on the heater elements.

Too much detergent

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

5. Adding detergent

CapDosing

Three different types of capsule are available:

- ☼ = Fabric care (e.g. fabric softener, proofing agent)
- ⚗ = Additives (e.g. detergent enhancers)
- 💧 = Detergent (for the main wash only)

Each capsule contains the correct amount for one wash cycle.

Capsules are available to order from Miele's online shop, Miele's customer service, or from your Miele dealer.

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

Activating CapDosing

- Touch the **CAP** sensor button.

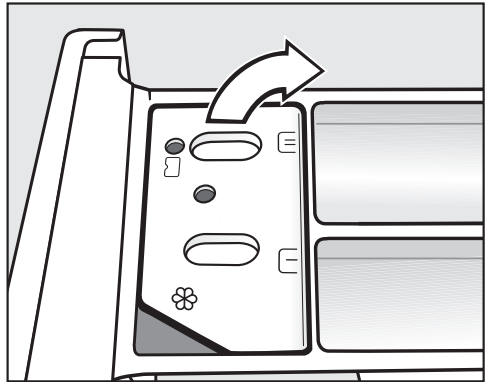
The following appears in the display:



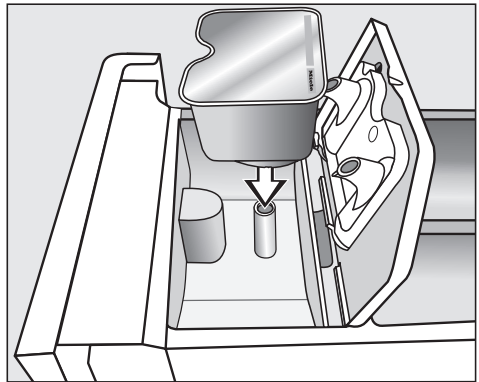
- Touch the **∨**/**∧** sensor buttons until the capsule you want appears in the display.
- Confirm the capsule with the **OK** sensor button.

Inserting a capsule

- Open the detergent dispenser drawer.

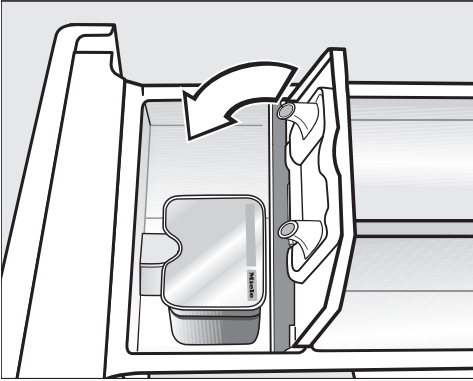


- Open the lid of the ☼/⚗ compartment.



- Press the capsule in firmly.



5. Adding detergent



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

The capsule is opened by the act of inserting it in the detergent dispenser drawer. The contents can run out of the capsule if you then remove it from the drawer before it is used. Dispose of opened capsules.

The contents of the capsule will be added to the wash program at the correct time.


During CapDosing, water intake to the  compartment is solely via the capsule. Do not add any additional fabric softener to the  compartment.

- Remove the empty capsule at the end of the wash program.


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

Deactivating or changing CapDosing

CapDosing can only be deactivated or changed prior to program start.

- Touch the  sensor button.
- Select No Cap (deactivate) or a different type of capsule (change).

Colour run and dye removers/ dyes

 Damage due to colour run/dye removers.

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

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

Dyes suitable for use in domestic washing machines can be used. However, please note that the salt used in the dyeing process can cause corrosion to stainless steel components in the machine if you use dye frequently. Always observe the dye manufacturer's instructions carefully.

6. Starting a program

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

The door will lock and the program will start.

The program status will appear in the display.

The washing machine will keep you updated on the program status and the time remaining for the program to run.

If a delay start time has been selected, this will appear in the display.


Energy savings

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

You can reactivate the indicators:


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

Adding laundry during a program sequence (AddLoad)


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

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

The following appears in the display:

 Please wait

- Wait until the following display lights up:

 Door can be opened

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

The wash program will continue.

Laundry cannot usually be added or removed if:

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


7. Program end

Opening the door and removing the laundry

The door remains locked during the Anti-crease phase. The display will change to show:

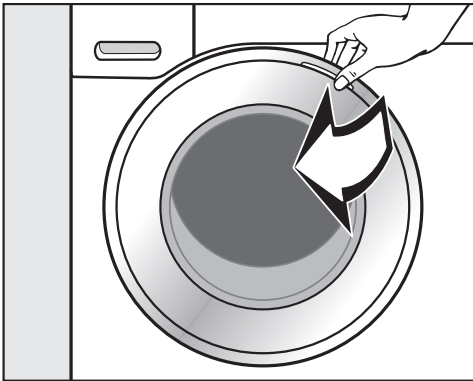
End/Anti-crease

i Press Start button

- Unlock the door either by touching the *Start/Add laundry* sensor button or by turning the program selector to the  position.

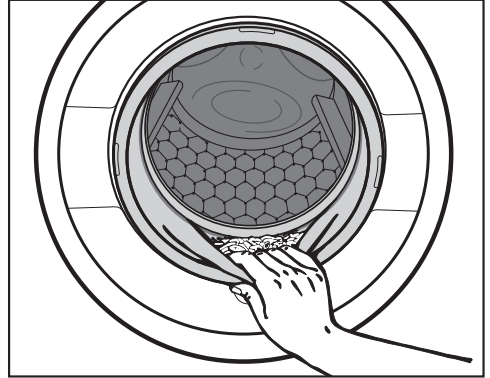
The door will be unlocked.

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



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

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



- Check the door seal for any foreign objects.

Useful tip: Leave the door slightly open to allow the drum to dry.

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

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

Spinning

Final spin speed

Program	Selectable spin speeds in words and numbers (rpm)					
	Max 1,600	High 1,200	Med. 800	Slow 600		No  0
Normal	✓	–	–	–	X	X
Delicates	–	–	✓	X	X	X
Sanitize	✓	X	–	–	X	X
Handwash	–	✓	X	X	X	X
Dress Shirts	–	–	✓	X	X	X
Darks/Denims	–	✓	X	X	X	X
Express	–	✓	X	X	X	X
Extra White	✓	X	–	–	X	X
Outdoor	–	–	✓	X	X	X
Proofing	–	X	✓	X	X	X
Table Linens/Drapes	–	✓	X	X	X	X
Sportswear	–	✓	X	X	X	X
Woolens 	–	✓	X	X	–	X
Silks 	–	–	–	✓	X	X
Wrinkle-free	–	✓	X	X	X	X
Drain/Spin	✓	X	X	X	–	X
Quick Rinse	✓	X	X	X	X	X
Baby Clothes	✓	X	X	X	X	X
Towels	✓	X	X	X	X	X
Downs	–	✓	X	X	X	X
Pillows	–	✓	X	X	X	X
Clean Machine	–	–	–	X	–	–

✓ = Optimum spin speed for program is pre-set

X = Can be selected

– = Cannot be selected


Final spin speed in the wash program

When a program is selected, the optimum spin speed for the wash program is always shown in the display.

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


The highest selectable spin speed is indicated in the table.

Omitting the final spin (Rinse hold)

- Set the spin speed to  (Rinse hold).

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

Ending a program with a spin cycle

The display shows  Rinse hold alternately with the ideal spin speed.

- Touch the *Start/Add laundry* sensor button to start the final spin.

Ending a program without a spin cycle

- Reduce the spin speed to 0.
- Touch the flashing *Start/Add laundry* sensor button.

Rinse-spin

There is a spin cycle after the main wash and between the rinse cycles. A reduction in the final spin speed will also reduce the interim spin speed as appropriate.

Omitting the rinse-spin and the final spin

- Before the start of the wash program, reduce the spin speed to 0.

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












An Extra Rinse cycle is carried out with this setting for certain wash programs.

Program chart




Programs on the program selector

Temperature with garment care label symbols			Item/Tip
Normal			Full load (17.6 lb/8 kg)
Hot +	140 °F/60 °C		Cotton, linen, and mixed fibre fabrics made of both cotton and linen.
Hot	120 °F/50 °C		
Warm + ✓	105 °F/40 °C		
Warm	85 °F/30 °C		
Cold	Cold		
USA test program in accordance with: DOE Federal Register 10 CFR Part 430 Appendix J2 to subpart B Canada test program in accordance with: CAN/CSA-C360-13			
Delicates			Small load (6.6 lb/3 kg)
Hot +	140 °F/60 °C		For delicate fabrics made from synthetic fibres.
Hot	120 °F/50 °C		
Warm + ✓	105 °F/40 °C		
Warm	85 °F/30 °C		
Cold	Cold		
Sanitize			Full load (17.6 lb/8 kg)
Sanitize ✓	170 °F/75 °C		Cotton or linen fabrics with direct skin contact or for which special hygiene requirements apply.
Handwash			Small load (4.4 lb/2 kg)
Warm + ✓	105 °F/40 °C		For delicate fabrics which are only suitable for hand washing.
Warm	85 °F/30 °C		
Cold	Cold		













Program chart

Temperature with garment care label symbols			Item/Tip
Dress Shirts			Small load (4.4 lb/2 kg)
Hot +	140 °F/60 °C		<p>Pre-treat collars and cuffs depending on the level of soiling.</p> <p>Wash silk shirts and blouses in the <i>Silks</i>  program.</p>
Hot	120 °F/50 °C		
Warm + ✓	105 °F/40 °C		
Warm	85 °F/30 °C		
Cold	Cold		
Darks/Denims			Small load (4.4 lb/2 kg)
Warm + ✓	105 °F/40 °C		<p>Black and dark garments made from cotton, mixed fibres, and denim.</p> <ul style="list-style-type: none"> - Wash inside out. - Denim often contains excess dye and may run during the first few washes. Therefore, wash light and coloured items separately.
Warm	85 °F/30 °C		
Cold	Cold		
MobileStart 			
The Miele@mobile app is used to select the programs and operate the appliance.			
Express			Half load (7.7 lb/3.5 kg)
Warm +	105 °F/40 °C		<p>Cotton fabrics that have hardly been worn or are only very lightly soiled.</p> <p>Selecting the  Light level of soiling will reduce the washing time by 10 minutes.</p>
Warm ✓	85 °F/30 °C		
Cold	Cold		










Program chart

Temperature with garment care label symbols			Item/Tip
Extra White			Full load (17.6 lb/8 kg)
Hot +	✓ 140 °F/60 °C		For white fabrics made of cotton or linen without special hygiene requirements.
Outdoor			Small load (5.5 lb/2.5 kg)
Warm +	✓ 105 °F/40 °C		Performance outerwear (e.g. jackets and trousers) made from membrane fabric such as Gore-Tex®, SYMPATEX®, WINDSTOPPER®, etc. - Zip up or close any jackets with Velcro before washing. - Do not use fabric softener. - If required, these garments can also be re-proofed using the <i>Proofing</i> program. Proofing after each wash cycle is not recommended.
Warm	85 °F/30 °C		
Cold	Cold		
Proofing			Small load (5.5 lb/2.5 kg)
Warm +	✓ 105 °F/40 °C		Treating microfibre fabric, ski wear, or table linens made from mainly synthetic fibres to provide a finish which is resistant to water and dirt. - The items should be freshly laundered and spun or dried before proofing. - For best results, the items should be heat-treated afterwards. This can be achieved by drying them in the tumble dryer or ironing them.













Programs positioned on the More Programs/ program selector

Temperature with garment care label symbols			Item/Tip
Table Linens/Drapes			Full load (13.2 lb/6 kg)
Hot +	140 °F/60 °C		Table linens and drapes made of cotton and linen.
Hot	120 °F/50 °C		
Warm + ✓	105 °F/40 °C		
Warm	85 °F/30 °C		
Cold	Cold		
Sportswear			Half load (6.6 lb/3 kg)
Hot +	140 °F/60 °C		Sportswear such as jerseys and leggings, as well as microfibre and fleece garments. - Do not use fabric softener. - Observe the manufacturer's care label.
Hot	120 °F/50 °C		
Warm + ✓	105 °F/40 °C		
Warm	85 °F/30 °C		
Cold	Cold		
Woolens 			Small load (4.4 lb/2 kg)
Warm ✓	85 °F/30 °C		Wool or wool-blend fabrics. Reduce the final spin speed for items which crease easily.
Cold	Cold		
Silks 			Very small load (2.2 lb/1 kg)
Warm ✓	85 °F/30 °C		Silks and other hand-washable fabrics with no wool content. Place tights, bras, etc., in a washing bag.
Cold	Cold		

Program chart

Temperature with garment care label symbols			Item/Tip
Wrinkle-free			Half load (8.8 lb/4 kg)
Hot +	140 °F/60 °C		Synthetic or mixed fibre fabric, or easy care cotton.
Hot	120 °F/50 °C		
Warm + ✓	105 °F/40 °C		
Warm	85 °F/30 °C		
Cold	Cold		
Drain/Spin			Full load (17.6 lb/8 kg)
			<ul style="list-style-type: none"> - Drain only: Set spin speed to No . - Make sure you select the appropriate spin speed.
Quick Rinse			Full load (17.6 lb/8 kg)
			<p>For rinsing hand-washed items.</p> <p>Reduce the final spin speed for items which crease easily.</p>
Baby Clothes			Full load (13.2 lb/6 kg)
Hot +	140 °F/60 °C		Baby clothes, baby towels, bath gowns, towelling items, bibs made from cotton.
Hot	120 °F/50 °C		
Warm + ✓	105 °F/40 °C		
Warm	85 °F/30 °C		
Cold	Cold		

Program chart

Temperature with garment care label symbols			Item/Tip
Towels			Full load (11 lb/5 kg)
Hot +	140 °F/60 °C		For linen or cotton towels used for personal hygiene.
Hot	120 °F/50 °C		
Warm +	105 °F/40 °C		
Warm ✓	85 °F/30 °C		
Cold	Cold		
Downs			Small load (4.4 lb/2 kg)
Hot +	140 °F/60 °C		Jackets, sleeping bags, pillows, and other down-filled items. - Remove air from the laundry before washing to prevent an excessive build-up of foam. To do this, either push the items into a narrow laundry bag to compress them or tie the items together with a washable strap. - Please observe the instructions on the wash care label.
Hot	120 °F/50 °C		
Warm + ✓	105 °F/40 °C		
Warm	85 °F/30 °C		
Cold	65 °F/15 °C		
Pillows			2 pillows (40 x 80 cm) or 1 pillow (80 x 80 cm)
Hot +	140 °F/60 °C		Synthetic-filled washable pillows - Remove air from the laundry before washing to prevent an excessive build-up of foam. To do this, either push the items into a narrow laundry bag to compress them or tie the items together with a washable strap. - Please observe the instructions on the wash care label!
Hot	120 °F/50 °C		
Warm + ✓	105 °F/40 °C		
Warm	85 °F/30 °C		
Cold	65 °F/15 °C		

Program chart

Settings /maintenance

Settings

You can use the settings to alter the washing machine's electronics to suit changing requirements. See “Settings” for more detailed information.

Maintenance

The washing machine has two maintenance programs.

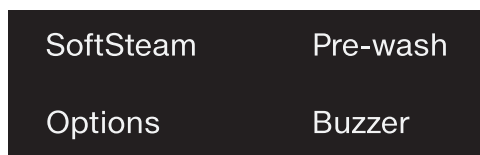
1. Clean Machine for cleaning the washing machine.
2. TwinDos mainten. for maintenance of the ①/② TwinDos compartments. See “Cleaning and care – TwinDos maintenance” for more details.

Temperature with garment care label symbols		Item/Tip
Clean Machine		Without load
Sanitize ✓	170 °F/75 °C	<p>With frequent washing at low temperatures there is a danger of a build-up of bacteria in the washing machine.</p> <p>Cleaning the washing machine will significantly reduce bacteria, mold, and biofilm and prevent the build-up of unpleasant odours.</p> <ul style="list-style-type: none">- Optimum results can be achieved by using Miele machine cleaner. Alternatively, a universal powder detergent can be used.- Dispense the machine cleaner or universal detergent directly into the drum.- Do not load machine. The drum must be empty for the Clean Machine program.

You can supplement the wash programs with extra options.

Selecting extra options

Extra options are selected or deselected using the sensor buttons in the control field. Additional extra options can be selected on the display using the *Options* sensor button.



- Touch the sensor button for the extra option you want.





The relevant button will light up brightly.

Not all the extra options can be used with every program.

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

SoftSteam

In order to reduce creasing, the laundry undergoes a smoothing process at the end of the program. Reducing the maximum load by 50% will give a better result. Please note the load information in the display. Small loads give a better result.



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



Pre-wash

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

Pre-wash and chlorination is **not** possible.

The chlorine bleach is added too early.

Only liquid detergent may be added to the   chamber of the detergent dispenser drawer.

Powder detergent clogs up the   chamber and water can escape from the detergent dispenser drawer.

Buzzer

A buzzer sounds at the end of the program. The buzzer sounds until the washing machine is switched off. The volume of the buzzer can be changed, see “Settings – Buzzer”.

Extra options

Extra options can be selected using the Options sensor button

Selecting extra options in the display

- Touch the Options sensor button.

The following will appear in the display: No Extras

- Touch the ∇/\wedge sensor buttons until the extra option you want appears in the display.
- Confirm the extra option with the OK sensor button.

The extra option has a \checkmark next to it.

Deselecting an extra option

- Touch the *Options* sensor button.

The first extra option which can be selected appears in the display.

- Touch the ∇/\wedge sensor buttons until No Extras appears in the display.
- Confirm No Extras with the OK sensor button.

The previously selected extra option is now deselected.

Extra Gentle

Drum rotation and wash duration are reduced. Lightly soiled fabrics are washed more gently.

ExtraRinse

An extra rinse can be activated to achieve a better wash result.




Soak

For heavily soiled fabrics with protein stains.

A soak duration of between 30 minutes and 6 hours in 30-minute increments can be selected for the soak process. See “Settings” for more information.

The factory default setting is 30 minutes.

AllergoWash

This option should be used where high standards of hygiene are required. Energy consumption is increased to lengthen temperature holding times and water consumption is increased to improve rinsing efficiency. The items must be suitable for drying in a tumble dryer   and suitable for ironing .

Wash program chart – extra options









































	SoftSteam	Pre-wash	Buzzer	Soak	Gentle	AllergoWash	ExtraRinse
Normal	-	●	●	●	●	-	●
Delicates	●	●	●	●	●	-	●
Sanitize	●	●	●	●	●	●	●
Handwash	-	-	●	-	-	-	-
Dress Shirts	✓	●	●	●	●	-	●
Darks/Denims	●	●	●	●	●	-	●
Express	-	-	●	-	-	-	-
Extra White	●	●	●	●	●	●	●
Outdoor	-	●	●	●	-	-	-
Proofing	-	-	●	-	-	-	-
Table Linens/Drapes	●	●	●	●	●	-	●
Sportswear	●	●	●	●	-	-	●
Woolens 	-	-	●	-	-	-	-
Silks 	-	-	●	-	-	-	-
Wrinkle-free	●	●	●	●	●	-	●
Drain/Spin	-	-	●	-	-	-	-
Quick Rinse	●	-	●	-	-	-	-
Baby Clothes	●	●	●	●	●	-	●
Towels	-	●	●	-	-	-	●
Downs	-	●	●	-	-	-	●
Pillows	-	●	●	-	-	●	●

● = Can be selected

✓ = Activated automatically

- = Cannot be selected


Program sequence

	Main wash		Rinses		Spinning
	Water level	Wash rhythm	Water level	Rinses	
Normal		(A)		2-3 ^{1,2}	✓
Delicates		(C)		2-4 ^{1,2}	✓
Sanitize		(A)		3-4 ^{1,2}	✓
Handwash		(E)		2	✓
Dress Shirts		(C)		3-4 ²	✓
Darks/Denims		(B)		3-5 ^{1,2}	✓
Express		(A)		2	✓
Extra White		(A)		2-5 ^{1,2}	✓
Outdoor		(C)		3-4 ²	✓
Proofing	-	(B)		1	✓
Table Linens/Drapes		(A)		2-3 ^{1,2}	✓
Sportswear		(C)		2-3 ²	✓
Woolens 		(E)		2	✓
Silks 		(E)		2	✓
Wrinkle-free		(B)		2-4 ^{1,2}	✓
Drain/Spin	-	-	-	-	✓
Quick Rinse	-	-		2	✓
Baby Clothes		(A)		2-3 ^{1,2}	✓
Towels		(A)		2-5 ^{1,2}	✓
Downs ³		(C)		3-4 ²	✓
Pillows ³		(C)		3-4 ²	✓

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

 = low water level

 = medium water level

 = high water level

Ⓐ = intensive rhythm

Ⓑ = normal rhythm

Ⓒ = sensitive rhythm

Ⓓ = ultra sensitive rhythm

Ⓔ = handwash rhythm

✓ = carried out

- = not carried out



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

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

Special features in the programme sequence

Anti-crease:

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

Exception: There is no anti-crease phase in the *Woolens* , *Silks*  and *Handwash* programs.

The door can be opened at any time during the anti-crease phase.

¹ An additional rinse is carried out if:

- there is too much foam in the drum
- a spin speed lower than *Medium* (800 rpm) has been selected.

² An additional rinse is carried out if the *ExtraRinse Extra* has been selected.

³ Run-up to spin: A run-up to spin is carried out before the wash process begins to deflate down-filled items. Subsequent water intake for the main wash is through compartment .


Changing the program sequence

Changing a program (child lock)

A program, temperature, spin speed, or selected extra options cannot be changed once the machine has been successfully started. This prevents the machine being operated unintentionally, e.g., by children.

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

Interrupting a program

- Turn the program selector to the  position.
- To continue, turn the program selector to the position of the wash program that was started.



- Touch the  sensor button.

The following will appear in the display:




- Confirm with the *OK* sensor button.

Useful tip: If  Change not possible appears in the display, the program selector is in the incorrect position.

Cancelling a program

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

- Turn the program selector to the  position.
- Turn the program selector to the *Normal* program.


The following will appear in the display:



- Touch the *OK* sensor button.






The washing machine pumps away the suds. The following will appear in the display:



- Wait until the  symbol in the display goes out and the door unlocks.
- Pull open the door.
- Remove the laundry.


Recommended Miele Detergents


Miele Detergents have been specially designed for day-to-day use in Miele Washing Machines. See “Detergents and care products” for more information about these detergents.

	Miele UltraPhase 1 and 2	Miele Caps		
				
Normal	✓	-	✓	✓
Delicates	✓	✓	✓	-
Sanitize	✓	-	✓	✓
Handwash	-	✓	✓	-
Dress Shirts	✓	-	✓	✓
Darks/Denims	✓	-	✓	-
Express	✓	-	✓	-
Extra White	✓	-	✓	✓
Outdoor	-	✓	-	-
Proofing	-	-	✓	-
Table Linens/Drapes	✓	-	✓	✓
Sportswear	-	✓	-	-
Woolens 	-	✓	-	-
Silks 	-	✓	-	-
Wrinkle-free	✓	-	✓	✓
Quick Rinse	-	-	✓	-
Baby Clothes	✓	-	✓	✓
Towels	✓	-	✓	✓
Downs	-	✓	-	-
Pillows	✓	-	-	-

✓ Recommendation

- No recommendation

 Special-purpose detergents (e.g., WoolCare)

 Fabric care (e.g., fabric softener)

 Additives (e.g., booster)

Detergent

General detergent recommendations

The wash programs that are not listed do not have a detergent recommendation

	Universal detergent	Colour detergent	Detergent for woollens and delicates	Bleach ¹
Normal	✓	✓	-	✓
Delicates	-	-	✓	-
Sanitize	✓	✓	-	✓
Handwash	-	-	✓	-
Dress Shirts	✓	✓	-	✓
Darks/Denims	-	✓	✓	-
Express	-	✓ ²	-	-
Extra White	✓	-	-	✓
Outdoor	-	-	✓	-
Table Linens/ Drapes	✓	✓	-	✓
Sportswear	-	-	✓	-
Woolens 🧶	-	-	✓	-
Silks 🧶	-	-	✓	-
Wrinkle-free	✓	✓	-	✓
Baby Clothes	✓	✓	-	✓
Towels	✓	✓	-	-
Downs	-	-	✓ ²	-
Pillows	-	-	✓ ²	-
Clean Machine	✓ ³	-	-	-

✓ Recommended

- Not recommended

1 If the “Chlorination” setting has been activated

2 Liquid detergent

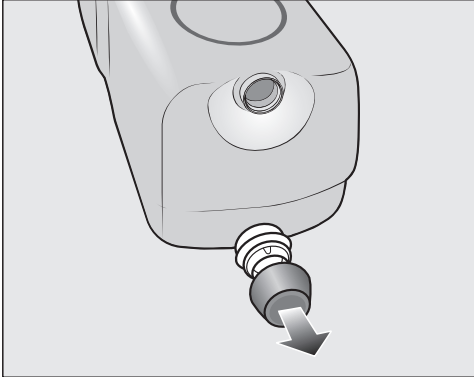
3 Powder detergent

Replacing the TwinDos cartridge

A message will appear in your washing machine display if a detergent cartridge is empty.

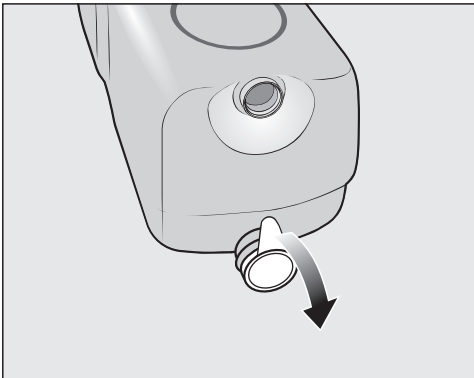
A message will appear in your washing machine display if a detergent cartridge is empty.

Preparing the cartridge




- Remove the cover cap from the cartridge.

or



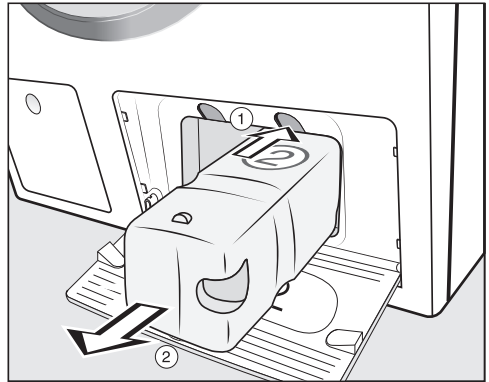
- Remove the film seal from the cartridge completely.

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

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

Replacing the cartridge

- Switch on the washing machine.



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

② Remove the cartridge.

- Insert a new cartridge.

- Confirm the messages in the display.

The counter is set to 0.

Cleaning and care

Cleaning the housing and control panel

⚠ Risk of electric shock.
Voltage is present when the washing machine is switched off
Disconnect the machine from the electricity supply before cleaning or maintenance.

⚠ Risk of damage due to ingress of water.
The pressure of a water jet can cause water to get into the washing machine, resulting in damage to components.
Do not spray the washing machine with a water jet.

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

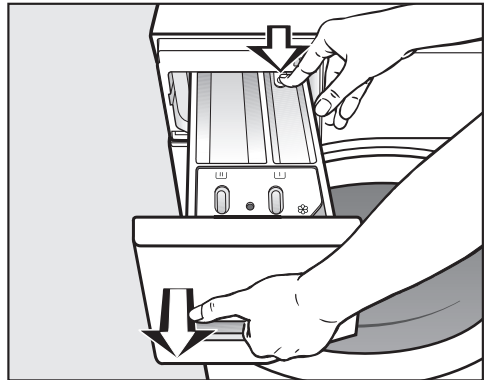
⚠ Damage due to cleaning agents.
Solvent-based cleaning agents, abrasive cleaners, glass cleaners or multi-purpose cleaning agents can cause damage to plastic surfaces and other parts.
Do not use any of these cleaning agents.

Cleaning the detergent dispensing drawer

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


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

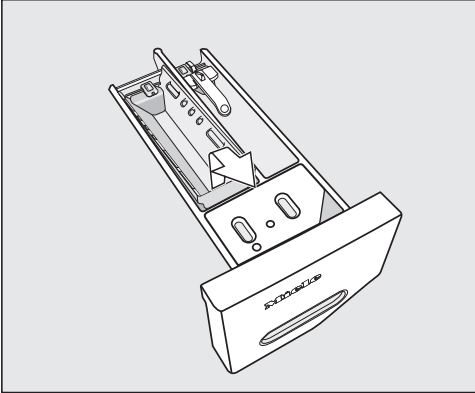
Removing the detergent dispenser drawer



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

Removing and cleaning the insert for liquid detergents

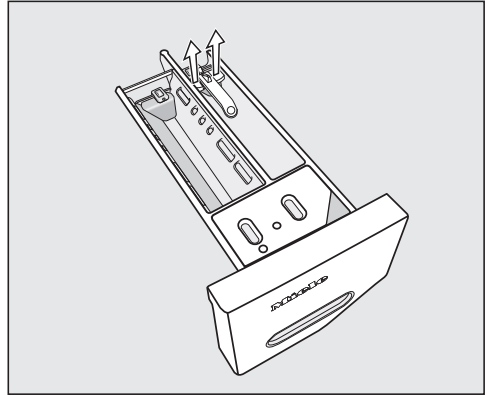
An insert for liquid detergents is located in the  compartment of the detergent dispenser drawer.



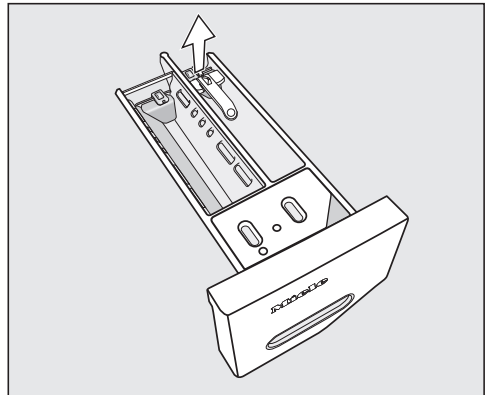
- Remove the insert. Clean the insert thoroughly with warm water.




Cleaning the compartment

Compartment 1 has a siphon for better dispensing of the chlorine bleach.





- Remove the release catch.



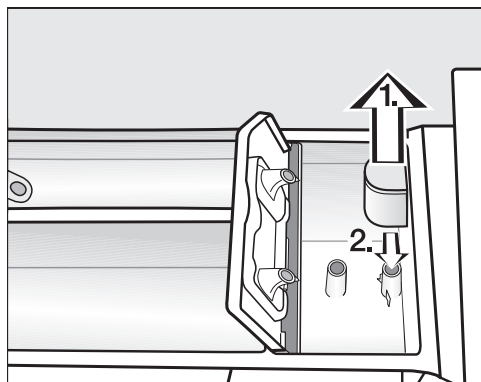
- Remove and clean the siphon.
- Clean the   and  compartments with warm water.


Cleaning and care

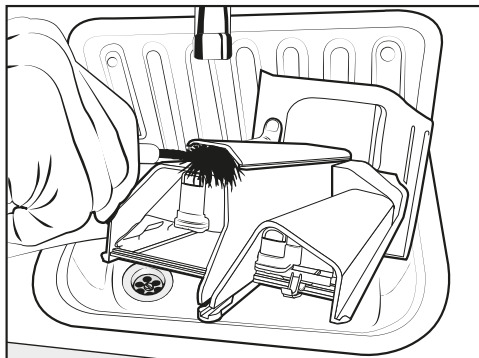
Cleaning the siphon and the / compartment channel

Liquid starch results in clogging. The siphon in the /  compartment no longer works and the compartment can overflow.

Clean the siphon particularly thoroughly after using liquid starch a few times.

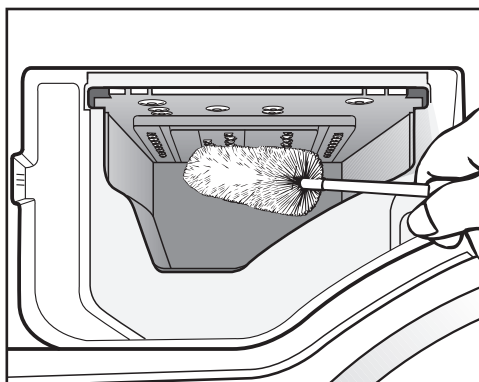


1. Remove the siphon from the  compartment and clean under warm running water. Clean the siphon tube in the same way.
2. Refit the siphon.



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


Cleaning the detergent dispenser drawer housing



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

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

TwinDos maintenance


 Damage resulting from dried laundry detergent.

If the system has not been used for a long time (more than 2 months), detergent in the hoses can become viscous or dry out. The hoses can become blocked and would then need to be cleaned by Miele Service. Clean the TwinDos system.

To clean the system, you need a “TwinDosCare” cleaning cartridge, which is available from www.miele.ca.

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

Starting the maintenance program

- Turn the program selector to the *Additional programs*/ position.



- Touch the ∇/\wedge sensor buttons until the following appears in the display:



- Confirm the setting with the *OK* sensor button.
- Touch the ∇/\wedge sensor buttons until the following appears in the display:



- Confirm the setting with the *OK* sensor button.



- Touch the ∇/\wedge sensor buttons until the compartment you want appears in the display. Confirm with the *OK* sensor button.



- Touch the ∇ sensor button until the following appears in the display:



- Confirm the setting with the *OK* sensor button.
- Follow the instructions in the display.

The hoses will now be cleaned. The TwinDos system can be used again at any time.

Cleaning the removable compartment

Detergent residue can cause clogging.

- Use a damp cloth to clean the compartment interior when you change the cartridges or container.

Cleaning and care

Hygiene info (Cleaning the drum)

Washing at low temperatures and / or using liquid detergents can cause bacteria and odours to build up in the washing machine. Use the *Clean Machine* program to clean the washing machine. Note the message in the display:

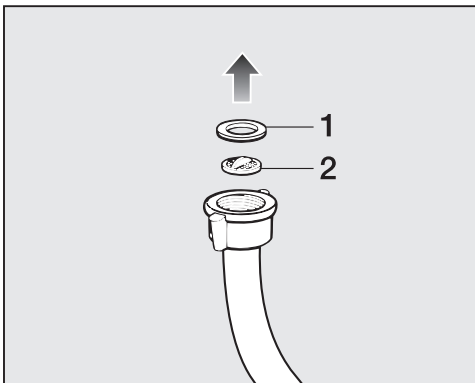
Sanitize info: Run a high temp. program or the "Clean Machine" program

Cleaning the water inlet filter

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

Cleaning the filter in the inlet hose

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

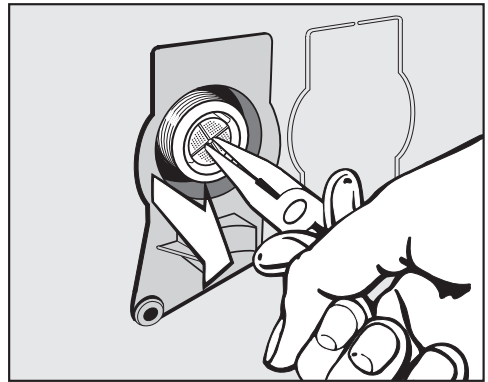


- Remove the rubber seal **1** from the connector.

- Using needle nose pliers, take hold of the plastic filter bar **2** and remove the plastic filter.
- Clean the filter.
- Reassemble in reverse order.

Cleaning the filter in the inlet valve

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



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

The filters must be put back in place after cleaning.

- Screw the screw thread securely back onto the faucet.
- Turn on the faucet.

Make sure there is no water leaking from the screw thread.
Tighten the screw thread.



Many malfunctions and errors that can occur in daily operation can be easily remedied. You can save time and money in many cases, as you do not need to contact Miele Customer Service.

Information to help you rectify malfunctions yourself can be found at www.miele.com/service.

The following tables are designed to help you to find the cause of a malfunction or an error and to resolve it.










Some of the messages in the display are more than one line long. Touch the \vee or \wedge sensor button to read them in full.


The wash program will not start

Problem	Possible cause and solution
The control panel remains dark.	There is no power to the machine. <ul style="list-style-type: none"> ■ Check whether the plug is plugged in. ■ Check whether the fuse has tripped.
	The washing machine has switched off automatically to save energy. <ul style="list-style-type: none"> ■ Switch the washing machine on again by turning the program selector.
The display prompts you to enter a PIN code.	The PIN code is active. <ul style="list-style-type: none"> ■ Enter the code and confirm the entry. Deactivate the PIN code if you do not wish this message to appear in the display the next time the machine is switched on.
The following appears in the display:   Service Door lock fault F34	The door is not closed properly. The door lock could not engage. <ul style="list-style-type: none"> ■ Close the door again. ■ Start the program again. If the fault message appears again, contact Miele Service.


Problem solving guide

Fault message after a program has been interrupted

Problem	Possible cause and solution
 Drainage. See 	The drain is blocked or restricted. The drain hose has been fixed too high. <ul style="list-style-type: none">■ Clean the drain filter and the drain pump.■ The maximum drain height is 1 m.
 Water intake. See 	The water inlet is blocked or restricted. <ul style="list-style-type: none">■ Check whether the faucet is turned on properly.■ Check whether the inlet hose is kinked.■ Check whether there is sufficient water pressure.
	The filter in the water inlet is blocked. <ul style="list-style-type: none">■ Clean the filter.
	The drain pump is activated for 2 minutes. The washing machine door is then released. Wait for the drain pump to stop before switching the washing machine off.
 Waterproof system Turn off   Service	The water protection system has reacted. <ul style="list-style-type: none">■ Close the faucet.■ Contact Miele Service.
  Service Fault F	There is a fault. <ul style="list-style-type: none">■ Disconnect the washing machine from the electrical supply. Unplug the appliance or switch off the circuit breaker.■ Wait at least 2 minutes before reconnecting the washing machine to the electrical supply.■ Then switch the washing machine on again.■ Restart the program. If the fault message appears again, contact Miele Service.

To switch off the fault message: Turn the program selector to the  position and switch the washing machine off.




Fault message after the end of the program

Problem	Possible cause and solution
<p>i Check dosage</p>	<p>Excessive foam has built up during washing.</p> <ul style="list-style-type: none"> ■ With TwinDos, check the dosage amount set. ■ Reduce the amount set in 10% increments. ■ Use less detergent next time and follow the manufacturer's instructions on dosage given on the packaging.
<p>i Sanitize info: Run a high temp. program or the "Clean Machine" program</p>	<p>A wash program using a temperature above 60°C has not been run for a long period of time.</p> <ul style="list-style-type: none"> ■ Turn the program selector to <i>Additional programs/</i> . ■ Touch the $\wedge \vee$ sensor buttons until Maintenance appears in the display. ■ Touch the OK sensor button. <p>The following appears in the display: Clean Machine</p> <ul style="list-style-type: none"> ■ Touch the OK sensor button. ■ Run the Clean Machine program using the Miele Machine Cleaner or a universal powder detergent. <p>The washing machine is cleaned which prevents bacteria and odour buildup.</p>
<p>i Align the washing machine</p>	<p>The <i>SoftSteam</i> extra option which runs at the end of the program could not be carried out properly.</p> <ul style="list-style-type: none"> ■ Check whether the washing machine is aligned correctly (see "Installation – Levelling the machine"). ■ Check whether the maximum delivery height of 1 m has been exceeded. <hr/> <p>If the fault message appears again, contact Miele Service. The washing machine can still be used, but without the <i>SoftSteam</i> extra option.</p>

The messages will appear at the end of the program and when the washing machine is switched on, and need to be confirmed with the OK sensor button.

Problem solving guide

Messages or faults affecting the TwinDos system

Problem	Possible cause and solution
i ① is almost empty. Only a few more cycles are possible	The detergent in the cartridge is running low. There is enough left for approx. 4 to 8 wash programs. ■ Order a new cartridge.
i TwinDos ① is empty. Check wash results	The cartridge is empty. ■ Replace the cartridge. ■ Check if the laundry is clean. There may not have been enough detergent. If there was not enough detergent, wash the laundry again.
i Use “TwinDos” or start Maintenance. See 	TwinDos dispensing via compartment ① and / or ② has not been used for a long time. ■ Use TwinDos for one of your next wash cycles. ■ Carry out the TwinDos maintenance program as described in “Cleaning and care – TwinDos maintenance”.
 TwinDos Maintenance for compartment ① and compartment ② must be started. See 	TwinDos dispensing via compartment ① and / or ② has not been used for too long a time. It is possible that detergent has dried inside the hoses. ■ Immediately carry out the TwinDos maintenance program as described in “Cleaning and care – TwinDos maintenance”.
The messages shown on this page are examples. They may differ depending on whether they refer to compartment ① or ②.	

The messages will appear at the end of the program and when the washing machine is switched on, and need to be confirmed with the *OK* sensor button.

Messages or faults affecting the TwinDos system




Problem	Possible cause and solution
No detergent was dispensed during washing.	TwinDos is deactivated. ■ Before the next wash program, ensure that the <i>TwinDos</i> sensor button is lit.
	Detergent is not dispensed even though the <i>TwinDos</i> sensor button is lit. ■ Try again. ■ If detergent is still not dispensed, contact Miele Service.
A new detergent cartridge has been inserted, but the cartridge is identified as empty when the machine is switched on.	The washing machine was switched off when the detergent cartridge was replaced. ■ Switch on the washing machine. ■ Remove the detergent cartridge and then reinsert it into the compartment. The counter is set to 0.

Problem solving guide

General problems with the washing machine

Problem	Possible cause and solution
The washing machine smells.	<p>The hygiene info was not observed. A wash program using a temperature above 60°C has not been run for a long period of time.</p> <ul style="list-style-type: none">■ Run the <i>Clean Machine</i> program using the Miele Machine Cleaner or a universal powder detergent. <p>The washing machine is cleaned which prevents bacteria and odour buildup.</p> <hr/> <p>The door and detergent dispenser drawer were closed after washing.</p> <ul style="list-style-type: none">■ Leave the door and the detergent dispenser drawer slightly open to allow them to dry.
The machine shakes during the spin cycle.	<p>The machine feet are not level.</p> <ul style="list-style-type: none">■ Level the machine and adjust the feet correctly.
The laundry has not been spun properly and the laundry is still wet.	<p>The machine detected an imbalance during the final spin and reduced the spin speed automatically.</p> <ul style="list-style-type: none">■ Wash large and small items together in order to achieve a more even load distribution.
Strange pump noises can be heard.	<p>Not a fault. Slurping noises occur at the start and end of the pump sequence as a normal part of operation.</p>
The display is in a different language.	<p>A different language has been selected in “Settings, Language 🚩”.</p> <ul style="list-style-type: none">■ Set the language you want. The flag symbol will guide you.

General problems with the washing machine



Problem	Possible cause and solution
Large amounts of detergent residue remain in the detergent dispenser drawer.	The water pressure is too low. ■ Clean the filter in the water inlet.
	Powder detergent used in conjunction with water softeners tends to become sticky. ■ Clean the detergent dispenser drawer and in future, add detergent first and then the water softener.
Fabric softener is not completely dispensed or too much water remains in the  compartment.	The siphon tube is not correctly positioned or clogged. ■ Clean the siphon (see “Cleaning and care – Cleaning the detergent dispensing drawer”).
At the end of the program there is still liquid in the capsule.	The small pipe in the detergent dispenser drawer onto which the capsule is placed is blocked. ■ Clean the small pipe.
	Not a fault. For technical reasons, a small amount of water will remain in the capsule.
There is water next to the capsule in the fabric softener compartment.	The  sensor button was not activated. ■ Activate the  sensor button when a capsule is next used.
	An empty capsule was not removed at the end of the last wash program. ■ Remove and then dispose of the empty capsule at the end of each wash cycle.
	The small pipe in the detergent dispenser drawer onto which the capsule is placed is blocked. ■ Clean the small pipe.

Problem solving guide

An unsatisfactory wash result

Problem	Possible cause and solution
Liquid detergent is not achieving the required results.	<p>Liquid detergents do not usually contain bleaching agents. Consequently, fruit, coffee, and tea stains cannot always be removed.</p> <ul style="list-style-type: none">■ Use the Miele 2-phase system. The deliberate addition of UltraPhase 2 during the wash process removes stains effectively.■ Use powder detergent containing a bleaching agent.
Grey, greasy particles cling to washed laundry.	<p>Insufficient amounts of detergent were used. The laundry was heavily soiled with grease (oils, ointments).</p> <ul style="list-style-type: none">■ Use more detergent or liquid detergent with this type of soiled laundry.■ Before washing the next load, run the <i>Clean Machine</i> wash program using Miele clean machine or a universal powder detergent.
White residues which look like powder detergent are seen on dark fabrics after washing.	<p>The detergent contained compounds (zeolites) to aid water softening which are not soluble in water. These have ended up on the laundry.</p> <ul style="list-style-type: none">■ Try and brush off the residues with a soft brush once the laundry is dry.■ In future, wash dark fabrics using a detergent which contains no zeolites. Liquid detergents do not usually contain zeolites.■ Use the <i>Darks/Denim</i> program to wash the fabrics.

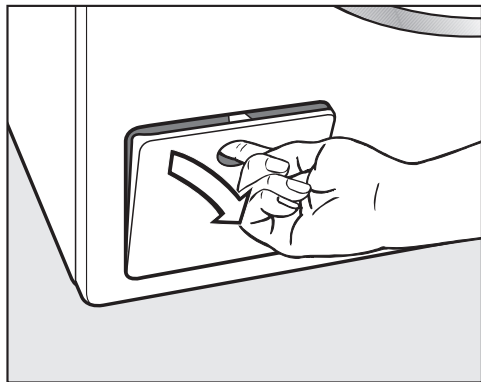
The door will not open

Problem	Possible cause and solution
The door cannot be pulled open during a program.	The drum is locked during a program. ■ Follow the description in “6. Starting a program – Adding or removing laundry”.
Comfort cooling appears in the display after a program has been cancelled.	To protect the user against scalding, the door cannot be opened if the suds temperature is higher than 55°C. ■ Wait until the temperature in the drum has decreased and the message has gone out in the display.
The following appears in the display:   Service Door release fault F35	The door lock has jammed. ■ Contact Miele Service.

Problem solving guide

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

- Turn off the washing machine.



- Open the drain pump flap.

Blocked drain outlet

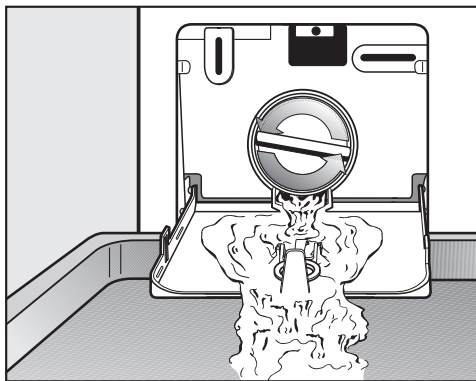
If the drain outlet is blocked, a larger quantity of water can remain in the washing machine.

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

Draining the washing machine

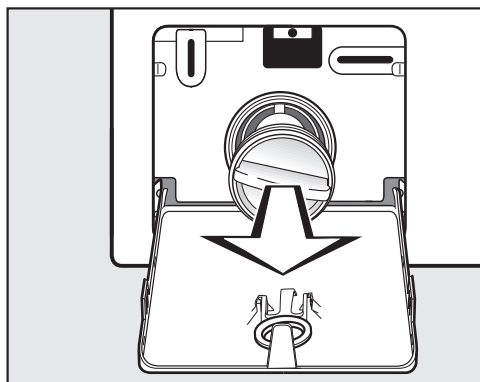
Remove the drain filter, though not completely.

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

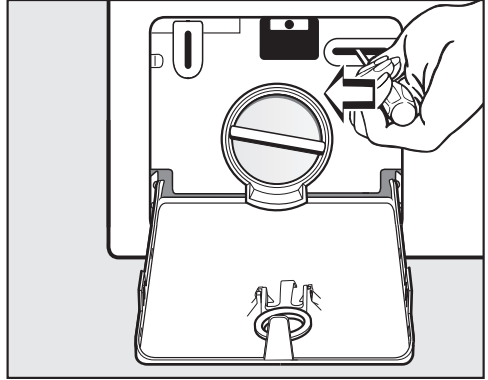
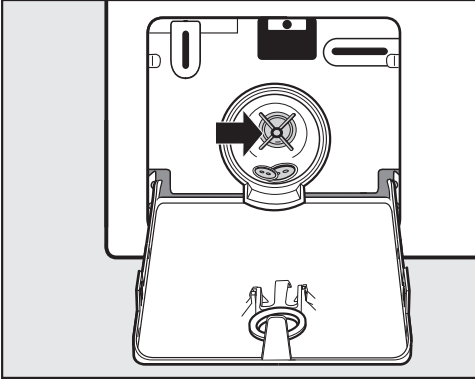


- Slowly unscrew the drain filter to let the water out.
- Tighten the drain filter back up again if you need to interrupt the flow of water.

Once the flow of water stops:



- Remove the drain filter completely.



- Clean it thoroughly.
 - Remove any foreign objects (e.g. buttons, coins, etc.) and clean the interior. Turn the impellers by hand to check that they rotate freely.
 - Replace the drain filter correctly and tighten it securely.
 - Close the drain pump flap.
- Use a screwdriver to unlock the door.
 - Pull open the door.



Risk of water damage

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

Replace the drain filter correctly and tighten it securely.

Opening the door



Risk of injury due to rotating drum.

Reaching into a rotating drum is extremely dangerous.

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

Technical Service

Information to help you rectify malfunctions yourself and about Miele spare parts can be found at www.miele.com/service.

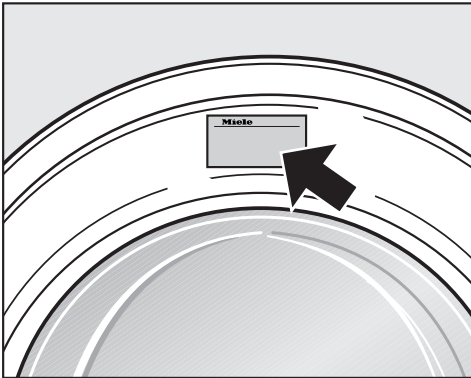
Contact in the event of a fault

In the event of a fault which you cannot remedy yourself, please contact your Miele dealer or Miele Service.

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

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

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



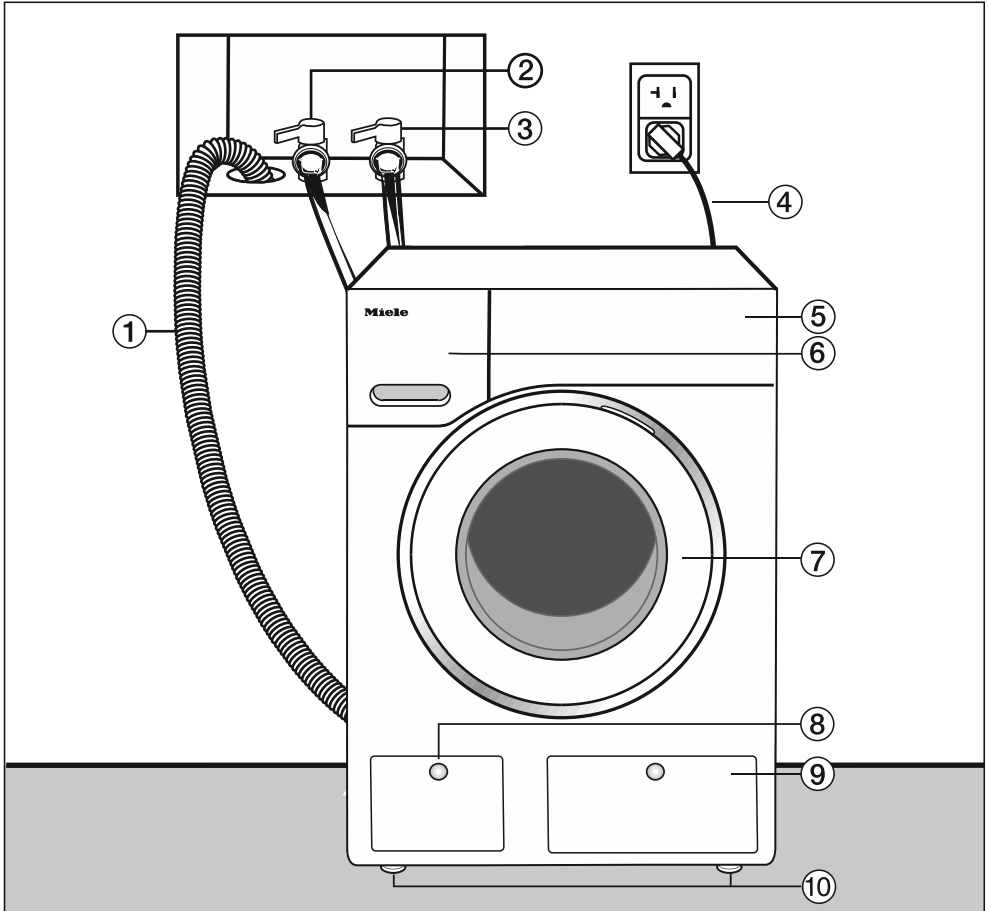
Optional accessories

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

Warranty

For further information, please refer to your warranty booklet.

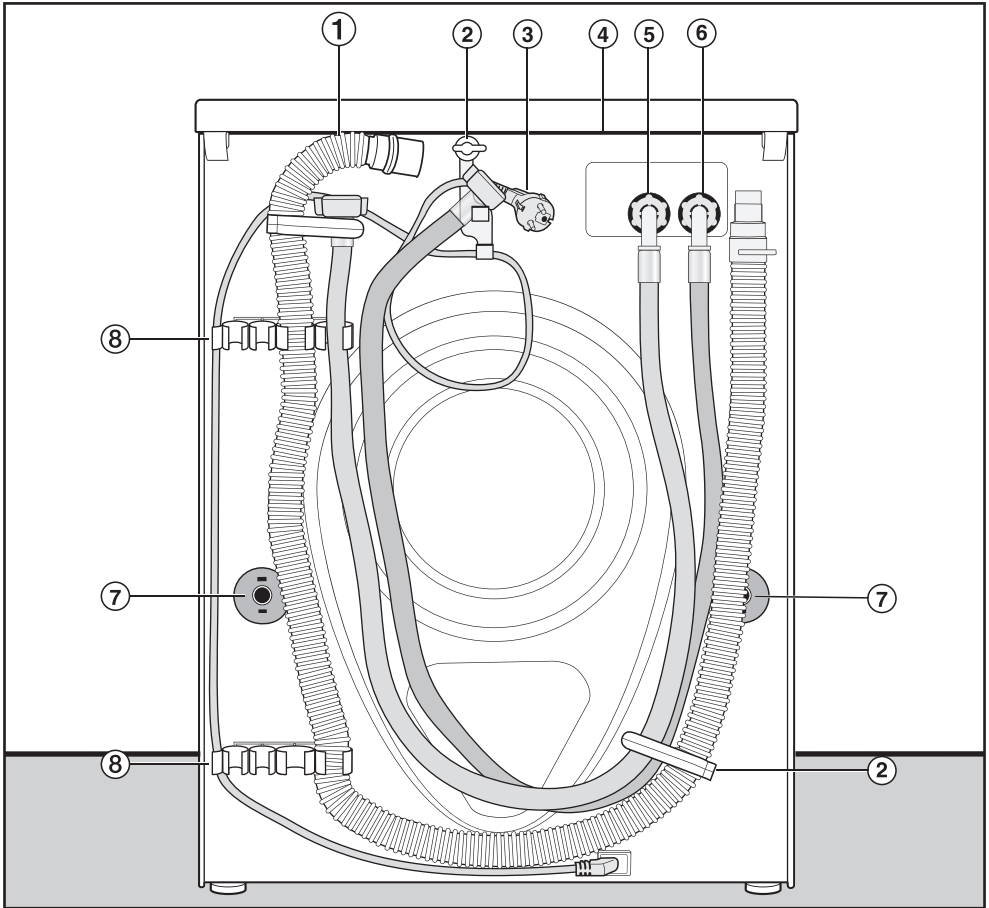
Front view



- ① Drain hose
- ② Hot-water inlet hose (pressure-proof to 1,015 psi/7,000 kPa)
- ③ Cold-water inlet hose (pressure-proof to 1,015 psi/7,000 kPa)
- ④ Electrical connection
- ⑤ Control panel
- ⑥ Detergent dispenser drawer
- ⑦ Door
- ⑧ Flap for drain filters, drain pump, and emergency release
- ⑨ Flap for TwinDos cartridges
- ⑩ Four height-adjustable feet

Installation

Rear view



- ① Drain hose
- ② Transport clips for inlet and drain hoses and electrical supply cable
- ③ Electrical connection
- ④ Protruding lid for holding when moving the machine
- ⑤ Cold-water inlet hose (pressure-proof to 1,015 psi/7,000 kPa)
- ⑥ Hot-water inlet hose (pressure-proof to 1,015 psi/7,000 kPa)
- ⑦ Safety caps for transit bars
- ⑧ Transport clips for inlet and drain hoses and for storing transit bars when not in use

Installation surface

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


Please note:

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

If installing on a wooden joist floor:

- Install the machine on a plywood base (at least 59 x 52 x 3 cm). The base should span several joists and be bolted to the joists, not just the floorboards.

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

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

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

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

Transporting the washing machine to its installation site

 Danger of injury due to unsecure lid.

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

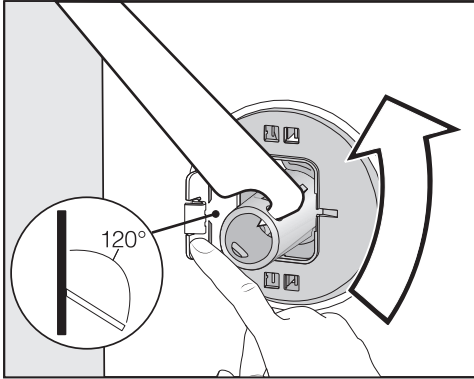
Before carrying the appliance, check that the lid is secure where it protrudes at the back of the appliance.

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

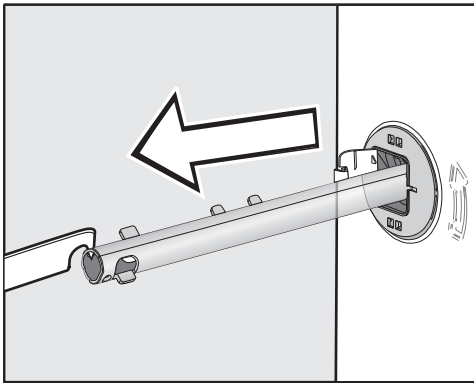
Installation

Removing the shipping struts

Removing the left-hand shipping strut

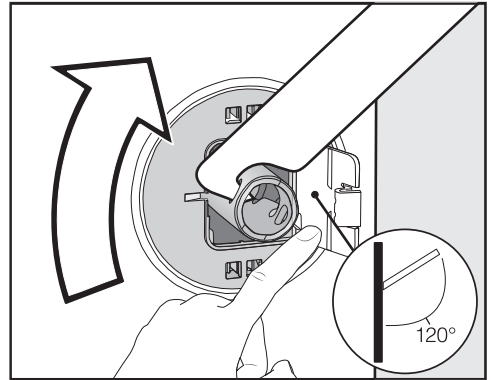


- Open out the cover and use the open spanner supplied with the washing machine to turn the shipping strut 90°.

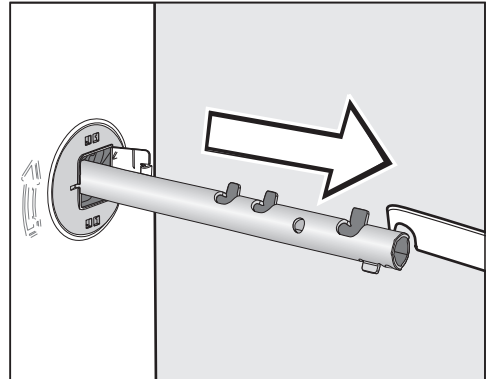


- Pull out the shipping strut.

Removing the right-hand shipping strut




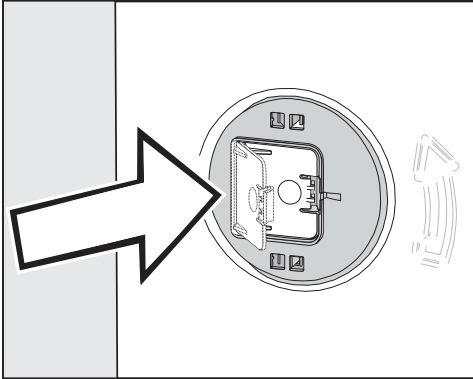
- Open out the cover and use the open spanner supplied with the washing machine to turn the shipping strut 90°.



- Pull out the shipping strut.

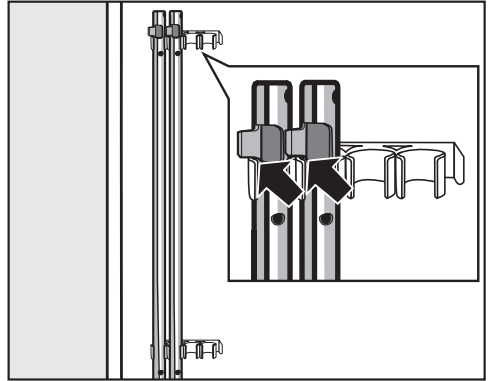
Covering the holes

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




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

Securing the shipping struts



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

 Risk of damage from incorrect transport.

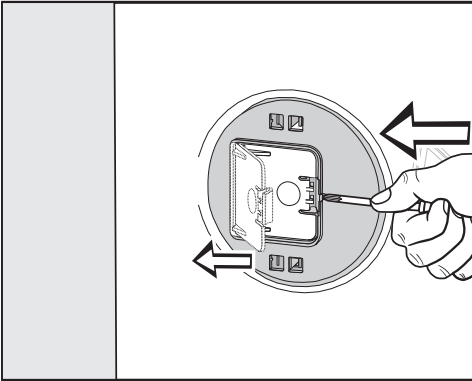
The washing machine may become damaged if moved without the shipping struts in place.

Keep the struts in a safe place. Install them again if the washing machine is to be moved (when moving to a new house, for example).

Installation

Installing the shipping struts

Opening the covers



- Press against the catch with a sharp object (a narrow screwdriver, for example).

The cover opens.

Installing the shipping struts

- Install the shipping struts by following the instructions for their removal in reverse order.

Useful tip: The struts will slide in more easily if you lift the drum slightly.

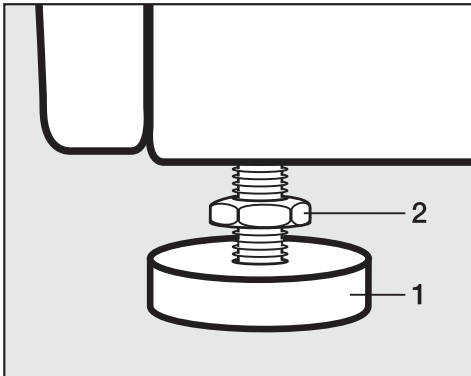
Levelling the machine

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

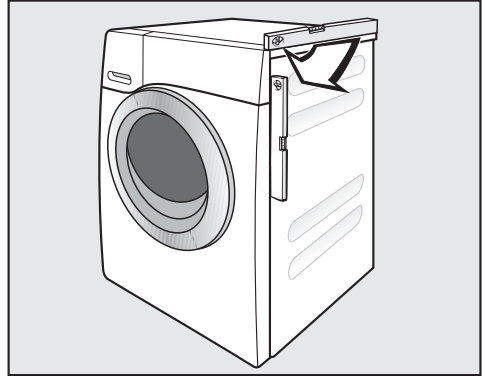
Incorrect installation may increase electric and water consumption and may cause the machine to move about.

Unscrewing and adjusting the feet


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



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



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

 Risk of damage due to incorrectly aligned washing machine. There is a danger of the washing machine moving about if the feet are not secured. Turn all four counter nuts for the feet until they sit firmly up against the housing. Please also check this for the feet which did not need adjustment.

Installation

Installing under a countertop



Risk of electric shock due to exposed cables

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

Do not remove the washing machine lid.

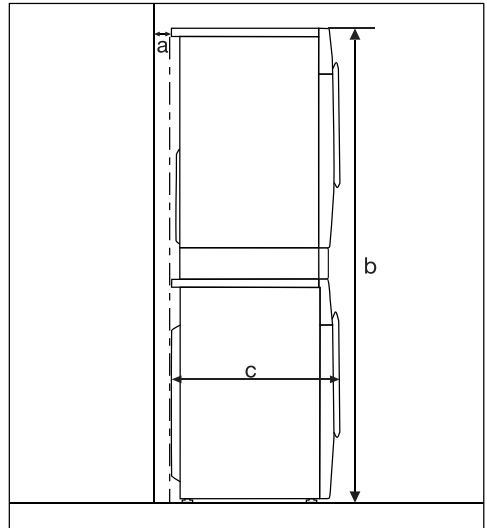
This washing machine (with lid intact) can be pushed under a countertop if there is space to do so.

Washer-dryer stack

The washing machine can be installed as a washer-dryer stack together with a Miele Tumble Dryer. A WTV stacking kit* is required for this.

Parts marked with * are available from your Miele dealer or Miele Service.

Please note:



a = at least 2 cm

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

c = 65 cm

Additional installation requirements

The washing machine must be installed in accordance with the relevant local regulations.

⚠ Damage resulting from failure to remove the transit bars.

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

Remove the shipping struts as described in “Installation and connection”.

Installing under a countertop

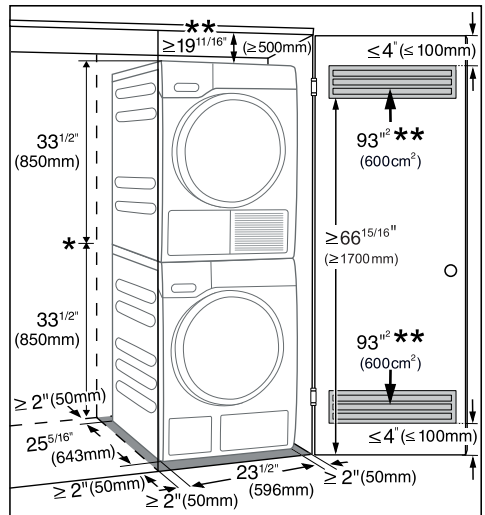
⚠ Risk of electric shock due to exposed cables

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

Do not remove the washing machine lid.

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

Setting up the cabinet



* Height with Stacking Kit
 WTV502 = 67^{3/8"} (1711 mm)
 WTV512 = 71^{1/8"} (1806 mm)

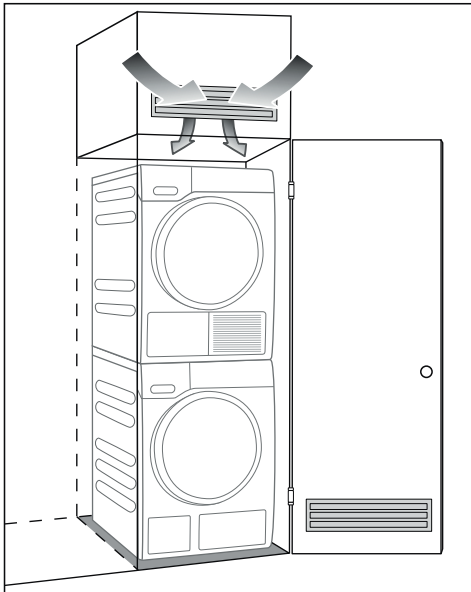
** If it is not possible to fulfill the dimension specification you may have longer drying and process time.

Installation

For closets at room height

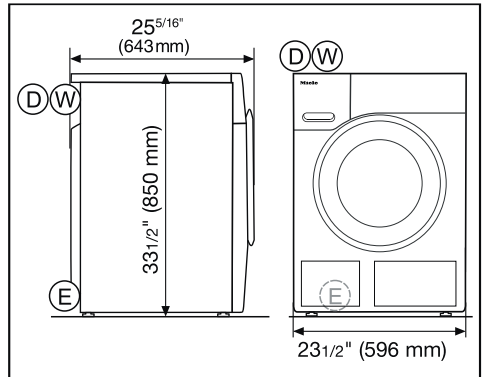
You can also insert a ventilation opening at the top of the closet. In addition, you must also provide an opening on the bottom side of the door.

⚠ Risk of damage due to overheating of the washing machine. The air supply must not be hindered by an additional closet or shelf. Please ensure that air is able to circulate freely at the top of the closet.



Product dimensions

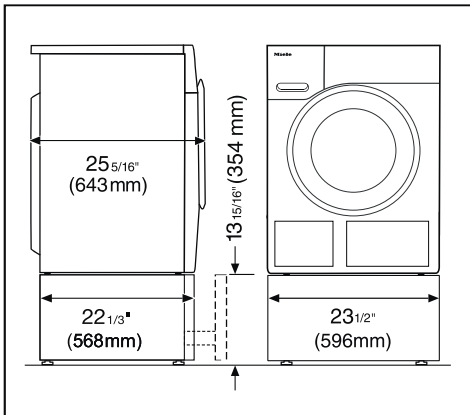
Dimensions



- ⓓ = 1.50 m drain hose with connection to the top left on the rear
- ⓔ = 2.00 m electrical cord with plug for 120 V, 15 A (NEMA 5-15 configuration) to the top left on the rear
- Ⓦ = 1.60 m hot and cold-water intake hoses to the top left on the rear

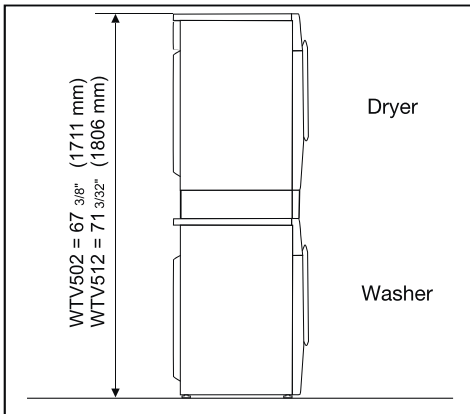
Installation on a plinth

- WTS 510 (only available in white)



Washer-dryer stack

- WTV 512 and WTV 502 washer-dryer stacking kit



Installation

The Miele water protection system

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

The system mainly consists of the following components:

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


Inlet hoses

- Protection against the hoses bursting
The inlet hose can withstand pressure of more than 1,015.26 psi/7,000 kPa.

Electronic unit and machine housing

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

Water intake

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

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


The flow pressure must be at least 100 kPa and must not exceed an overpressure of 1,000 kPa. If it is higher than 1,000 kPa, a pressure reduction valve must be installed.

For the connection, a water tap with a $\frac{3}{4}$ " screw thread is required. If not available, only a qualified installer may connect the washing machine to the water supply.

The connection points are subject to water supply pressure. Turn on the tap slowly and check for leaks. Correct the position of the seal and union if necessary.

Maintenance

Only use a genuine Miele hose that has been tested to withstand pressure of over 1,015.26 psi/7,000 kPa should you ever need a replacement.

 A filter is located in the open end of the inlet hose and another in the intake point to protect the inlet valve. Neither filter may be removed.

Hose extension

Longer hoses of 2.5 m or 4.0 m in length are available from your Miele dealer or Miele Technical Service as optional accessories.

Installation

Drainage

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

If required, the hose can be extended to a length of up to 5 m. Accessories are available from your Miele dealer or Miele Service.

For a delivery head of more than 1 m (up to a max. of 1.8 m), a replacement drain pump will need to be installed. Please contact Miele Service for advice. For a delivery head of 1.8 m, the hose can be extended to a length of up to 2.5 m. Accessories are available from your Miele dealer or Miele Service.

Drainage options:

1. Direct into a sink or basin:

Please note:

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

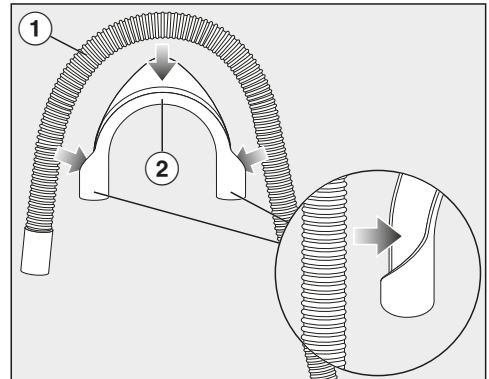
2. Connected securely to a plastic drain pipe with a rubber nipple (there is no need to use a non-return valve).

3. Connected securely to a floor drain.

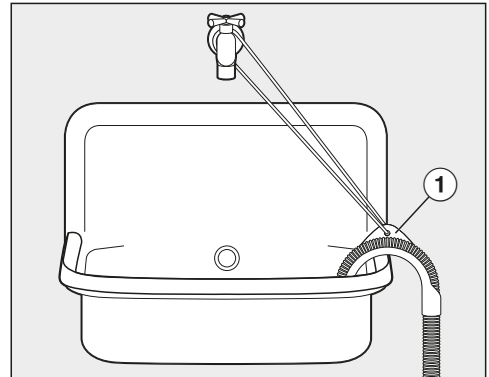
4. Connected securely to a sink with a plastic nipple.

Fitting the elbow

Use the elbow supplied to stop the drain hose from slipping.



- Attach the elbow ② to the drain hose ①.



- Place the end of the drain hose in a sink.
- Use a strap and the eye ① to stop the elbow from slipping.

Electrical connection

GROUNDING INSTRUCTIONS

The washing machine must be grounded. Connecting the appliance to ground reduces the danger of electric shock in the event of a malfunction. The grounding is a protective conductor which provides a path of least resistance for the current. The washing machine comes complete with a power cord and plug with the corresponding protective conductor. The plug must be inserted into a suitable socket.

The socket must be installed and grounded in accordance with the locally applicable regulations.

WARNING! Incorrectly connected ground conductors will pose the danger of electric shock. Contact a qualified electrician or customer service staff if you have any doubts as to whether the washing machine has been grounded properly.

Do not replace or make any changes to the plug supplied. If there is no suitable socket available, one must be installed by a qualified electrician.

Instructions for electrical connection

The installation must be carried out by an experienced and qualified specialist in accordance with local regulations.

The washing machine is equipped with a 5' 3" (1.6 m) long, 3-wire cable with a NEMA-5-15 plug, which is ready for connection to a 120 V, 15 A, 60 Hz AC power supply.

The manufacturer recommends operating the washing machine on a dedicated circuit to avoid overloading the electrical circuit.

A suitable socket can be furnished by an electrical retailer.

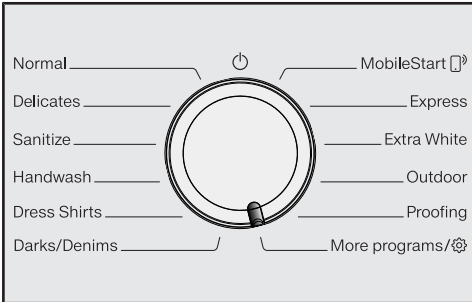
Technical data

Height	33 7/16" (850 mm)
Width	23 7/16" (596 mm)
Depth	25 1/16" (636 mm)
Depth with door open	41 1/2" (1054 mm)
Height for building under	32 5/16" (+5/16"/-1/16") (820 mm)
Width for building under	23 5/8" (600 mm)
Weight	Approx. 220.5 lb (100 kg)
Capacity	17,6 lb/8 kg dry laundry
Connection voltage	See data plate
Rated load	See data plate
Fuse rating	See data plate
Minimum water flow pressure	14.5 psi (100 kPa)
Maximum water flow pressure	145 psi (1,000 kPa)
Inlet hose length	63" (1.6 m)
Drain hose length	59 1/16" (1.5 m)
Power cord length	78 3/4" (2 m)
Maximum drain height	39 3/8" (1 m)
Maximum drainage length	196 7/8" (5 m)
LEDs	Class 1
Test certificates awarded	See data plate
Frequency band	2.412 GHz–2.462 GHz
Maximum transmitting power	< 100 mW

You can use the settings to alter the washing machine's electronics to suit changing requirements.

The settings can be altered at any time.

Calling up settings



- Turn the program selector to the *Additional programs/* position.



- Touch the ∨∧ sensor buttons until the following appears in the display:



- Confirm with the OK sensor button.



You are now in the *Settings* sub-menu.

Selecting settings

- Touch the ∨∧ sensor buttons until the setting you want appears in the display.
 - The ∨ sensor button scrolls down the list.
 - The ∧ sensor button scrolls up the list.
- Touch the OK sensor button to select the setting displayed.

Changing a setting

- Touching the ∨∧ sensor buttons will call up the different options for the setting.

The option which is selected will have a check ✓ next to it.

- Touch the OK sensor button to activate the option you want in the display.


Closing the settings menu

- Turn the program selector.

Settings

Language

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

The  flag after the word Language acts as a guide in case a language which is not understood has been set.

The language selected is saved to memory.

TwinDos

You can set the type of detergent and dispensing quantities and check the fill level of the UltraPhase 1 and UltraPhase 2 cartridges.

Change dosage

The set values for dispensing UltraPhase 1 and UltraPhase 2 detergent can be checked and corrected.

Check level

The level is displayed with a bar chart.

The display only works correctly when the following conditions are met:

1. New (full) cartridges are used.
2. The cartridges must not be removed from the washing machine in the interim period.


Useful tip: The level can be corrected via the Miele@mobile app.

Select detergent

You can either use UltraPhase 1 and UltraPhase 2, or switch TwinDos dispensing off.

Use the No agent setting to switch TwinDos dispensing off.

Degree of soiling

You can specify the degree of soiling that is pre-set for the  sensor button.

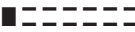

Options:

- Light
- Normal (factory default setting)
- Heavy

Buzzer volume

The buzzer can be set to be louder or quieter.

Options

-  (quiet)
-  (loud) (factory default setting)

Keypad tone

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

Options

- Off
- ■■■■■■■■ (quiet)
- ■■■■■■■■ (factory default setting)
- ■■■■■■■■ (loud)

Welcome tone

The volume for the welcome tone can be set to one of 7 different settings.

Options


- Off
- ■■■■■■■■ (quiet)
- ■■■■■■■■ (factory default setting)
- ■■■■■■■■ (loud)

Code

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

Options

- Activate
When the PIN code has been activated, you have to enter the PIN code after switching the washing machine on. Otherwise the washing machine cannot be operated. The factory default PIN code is 125.
- Change
However, you can set a different, three-digit PIN code.

 Do not forget the PIN code you have set.

Without a PIN code, only Miele Technical Service can unlock the washing machine.

Make a note of the new PIN code.

- Deactivate
The washing machine is to be operated again without entering the PIN code. Only appears when the PIN code has been activated in advance.

Settings

Units

The temperature and spin speed values can be displayed in different ways.

Options

- Clear text (factory default setting)
The values are displayed as words.
- °C + rpm
The temperatures are displayed as figures in the unit °C.
- °F + rpm
The temperatures are displayed as figures in the unit °F.

Brightness

You can set the brightness of the display, the sensor buttons, and the dimmed sensor buttons.

Options

- Display
Controls the brightness of the display.
 - ■ □ □ □ □ □ □ □ (dark)
 - ■ ■ ■ ■ ■ ■ ■ ■ (light) (factory default setting)
- Button lighting on
Controls the brightness of the activated sensor buttons.
 - ■ □ □ □ □ □ □ □ (dark)
 - ■ ■ ■ ■ □ □ □ □ (factory default setting)
 - ■ ■ ■ ■ ■ ■ ■ ■ (light)
- Button lighting off
Controls the brightness of the sensor buttons that can be activated.
 - ■ □ □ □ □ □ □ □ (dark)
 - ■ ■ ■ ■ □ □ □ □ (factory default setting)
 - ■ ■ ■ ■ ■ ■ ■ ■ (light)

Useful tip: Ensure that there is a discernible difference in brightness between the activated and dimmed sensor buttons. A big difference in brightness makes it easier to operate the appliance.

Display switch-off

The display and the sensor button lighting is switched off to save energy. The Start/Add laundry sensor button flashes slowly.

Options

- On(factory default setting)
The lighting switches off after 10 minutes.
- On (not crmt prog)
The lighting remains switched on throughout the program. The lighting switches off 10 minutes after the program has ended.
- Off
The lighting remains switched on.

Program info

You can select the information that will be displayed temporarily once a program has been selected in the display.

Options

- Program name (factory default setting)
The program name is shown in the display for several seconds.
- Prog. & Max load
The program name and the maximum load are shown in the display for several seconds.
- Off
Directly after the program has been selected, the standard display is shown with temperature, spin speed, and program duration.

Memory

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


When the program is chosen again, the saved settings will appear in the washing machine display.


Memory is deactivated as standard.

Water intake

You can program 2 options for the water inlet. The water inlet is controlled by the two inlet hoses.

Options

- Cold water
The washing machine will be operated with cold water only.
- Hot water  (factory setting)
Hot water is used in the main wash to save energy.
You can heat up your water with cheaper, primary energy sources, e.g. gas, solar power, oil. The temperature must be below 140 °F (60 °C).

 For technical reasons, the washing machine **must** always be connected to cold water.

Settings

Soak duration

You can set a duration for the soak process of between 30 minutes and 6 hours.

A duration can be selected in 30-minute increments. When the *Soak extra* option is selected, the laundry will be soaked for the duration selected.

A duration of 0:30 h is set as standard.

Gentle action

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

Gentle action can be activated for the *Normal* and *Wrinkle-free* programs.

Gentle action is deactivated as standard.

Temp. reduction

At high altitudes, water has a lower boiling point. Miele recommends activating the reduced temperature setting at altitudes of 2,000 m or above to prevent water from boiling. The maximum temperature is reduced to 80°C, even if a higher temperature is selected.

The reduced temperature setting is deactivated as standard.

Maximum rinse level

This function is important for allergy sufferers as it achieves excellent wash results.

The water level in the rinses can be permanently set to the highest value. The water consumption will be increased.

The maximum rinse level is deactivated as standard.

Suds cooling

Additional water flows into the drum at the end of the main wash to cool the suds down.


Suds cooling takes place when a *Normal* program with a temperature of 70°C or higher is selected.

Suds cooling must be activated:

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

Suds cooling is deactivated as standard.

Low water pressure

If the water pressure is below 100 kPa (1 bar), the washing machine cancels the program and the [Water intake](#). See  fault message appears.

If the on-site water pressure cannot be increased, activating this function will prevent the program from being cancelled.

Low water pressure is deactivated as standard.

Anti-Crease

The Anti-crease function reduces creasing after the end of the program.

At the end of the program, the drum continues to turn at intervals for up to 30 min. The washing machine door can be unlocked at any time by touching the *Start/Add laundry* sensor button and then opened.

Anti-crease is activated as standard.

Miele@home

Control the networking of your washing machine with your WiFi network.

The following points may appear in the sub-menu:

Set up

This message only appears if the washing machine has not yet been connected to a WiFi network.

Please refer to “Before using for the first time” for instructions on how to set up the connection.

Deactivate (visible if Miele@home is activated)

Miele@home remains set up; the WiFi function is turned off.

Activate (visible if Miele@home is deactivated)

The WiFi function is reactivated.

Connection status (visible if Miele@home is activated)

The following values are displayed:

- the quality of WiFi reception
- the network name
- the IP address

Set up again (visible if set up)

Resets the WiFi login (network) to immediately re-establish a new connection.

Reset (visible if set up)

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

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

A new connection setup has to be carried out in order to use the Miele@home setting again.

Settings

Remote control

The Remote control setting is only visible if the Miele@home setting is set up and activated.

Once the Miele app has been installed on your mobile device, you can check the status of your washing machine from anywhere and start it remotely. You can also control it remotely via the *MobileStart* program.

You can switch off the Remote control setting if you do not want to operate the washing machine with your mobile device.

If Remote control is not switched on, the app can cause the program to be cancelled.

Use the Delay start button to set a time by when you want to start the washing machine and start the delay start function (see “Delay start/SmartStart”). The washing machine will then start within the timeframe specified when it receives your signal.

If it has not received a start signal by the latest start time set, the washing machine will start automatically.

Remote control is activated as standard.

SmartGrid

The SmartGrid setting is only visible if the Miele@home setting is set up and activated.

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

Activating SmartGrid gives the *Delay Start* sensor button a new function. You set the SmartGrid via the Delay start button. The washing machine will then start within the time period specified by you when it receives an external signal. If an external signal has not been received by the latest start time set, the washing machine will start automatically (see “Delay start”).

SmartGrid is deactivated as standard.

RemoteUpdate

The RemoteUpdate menu option is only displayed and can only be selected if the requirements for using Miele@home have been met (see “Before using for the first time – Miele@home”).

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

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

Activating / deactivating

The RemoteUpdate function is activated as standard. Available updates will be downloaded automatically but will only be installed if you initiate installation manually.

Deactivate RemoteUpdate if you do not want any updates to be downloaded automatically.

Running a RemoteUpdate

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

A message will appear in your washing machine display if a software update is available.

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

Deactivate RemoteUpdate if you do not want to install the update.

The update may take several minutes.

Please note the following information about the RemoteUpdate function:

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

Settings

Bleach

You can activate the automatic addition of chlorine bleach at the end of the main wash.

Chlorine bleach may only be used in some programs. See “5. Adding detergent – Using chlorine bleach” for more detailed information.

Activating chlorine bleach extends the program duration by approximately 10 minutes.

The washing machine is delivered with the chlorine bleach setting deactivated.

Copyrights and licenses for the communication module

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

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

Detergents and care products

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

These and many other useful products can be ordered via the Miele online shop, from your Miele dealer, or from Miele directly.

Detergent

Miele UltraPhase 1 and 2

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

Miele UltraPhase 1 and 2 Sensitive

- 2-component detergent for whites and colours
- No fragrances or colorants – particularly kind to the skin
- Eco-friendliness verified by Nordic Swan
- Excellent stain removal even at low temperatures

UltraWhite (powder detergent)

- Best results at 20 / 30 / 40 / 60 / 75°C
- Radiant white laundry thanks to powerful formula with active oxygen
- Excellent stain removal even at low temperatures

UltraColor (liquid detergent)

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

WoolCare delicates detergent (liquid detergent)

- For wool, silks, and delicates
- Special care complex based on wheat protein and with colour-protection formula
- Best wash results at 20 / 30 / 40 / 60°C

Detergents and care products

Special-purpose detergents

These special-purpose detergents are available as convenient single-use caps.

Caps Sport

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

Caps DownCare

- For down-filled items
- Retains the elasticity and breathability of down
- Lanolin for effective cleaning and gentle care
- Down does not clump and remains fluffy

Caps Woolcare

- Wool and delicates detergent
- Special wheat-protein-based agents
- Fibre-protection technology to help prevent pilling
- Colour-protection formula for gentle cleaning

Caps CottonRepair

- Special-purpose detergent for cotton fabrics
- Visibly renews fabrics with just one wash
- Special Miele formula with Novozymes technology
- Removes pilling and renews colour intensity and brightness
- Depending on fabric do not use more than 1–2 times per year

Fabric care

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

Fabric softener cap

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

Additives

Additives are available as convenient single-use caps.

Cap Booster

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

Machine care

TwinDosCare

- Cleaning agent for the TwinDos dispensing system
- For use prior to a longer pause in use (at least 2 months)
- For use prior to changing to a different product

Descaling agent

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

IntenseClean

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

Water softener tablets

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

**Please have the model and serial number
of your appliance available when
contacting Customer Service.**

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