

Instruction manual
for washing machine
W 1903

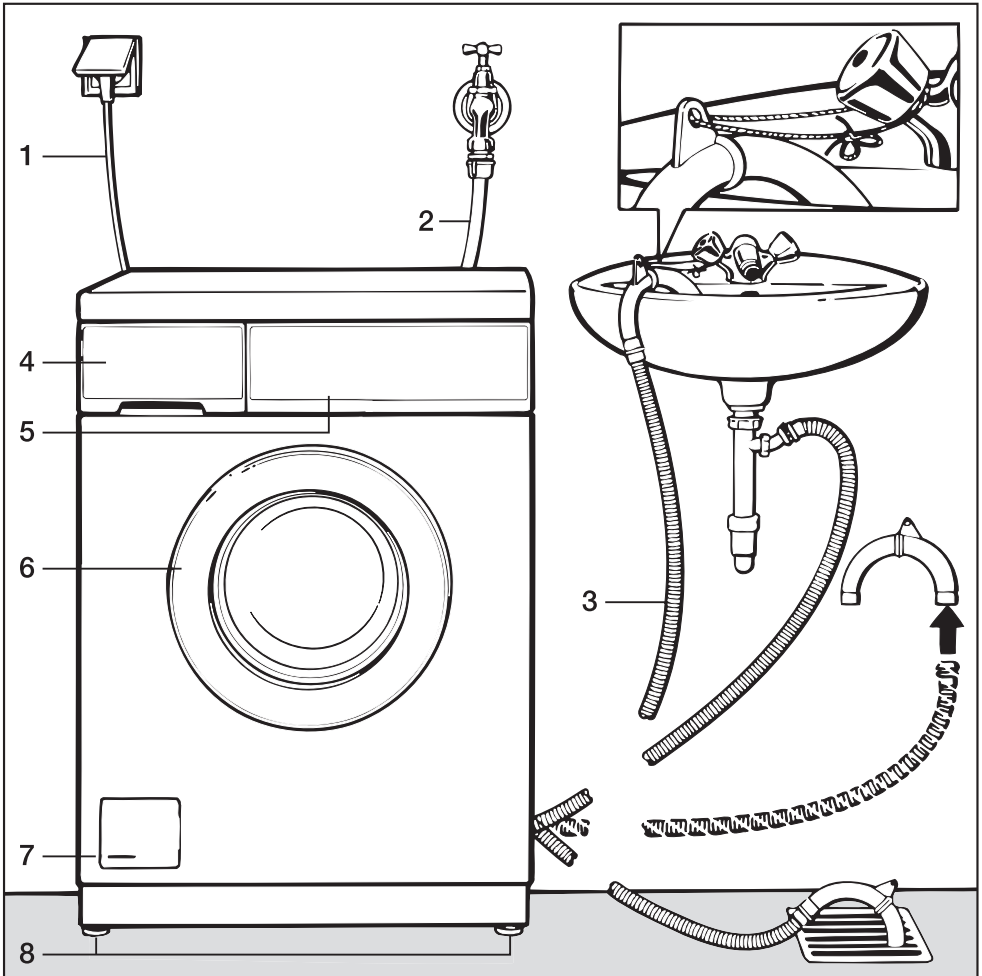
It is **essential** to read these operating instructions before installing or using the machine to avoid the risk of accident, or damage to the machine.



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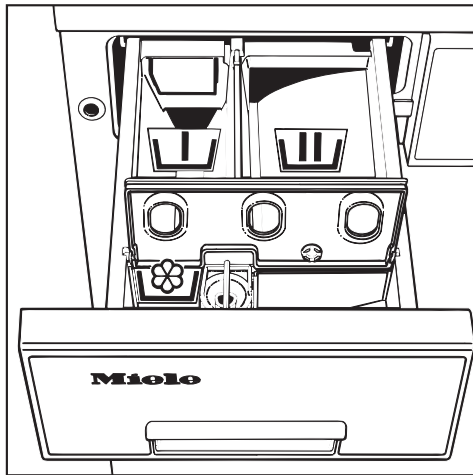
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Guide to the machine





- | | |
|--|---|
| 1 Supply cable | 5 Control panel |
| 2 Cold water pressure hose | 6 Drum door |
| 3 Flexible drain hose, with detachable swivel elbow | 7 Panel for access to lint filter and drain pump |
| 4 Detergent dispenser drawer | 8 Four height-adjustable leg levels |


Guide to the machine

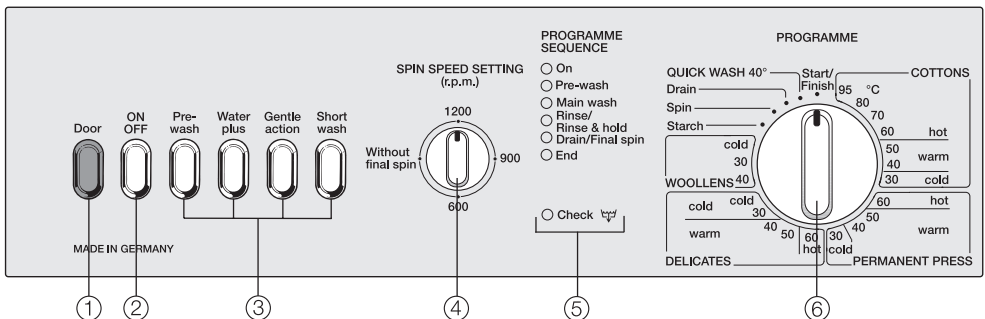


Detergent dispenser drawer

Compartment  - for the pre-wash

Compartment  - for the main wash

Compartment  (with lid) - for fabric softener or starch.



① “Door” button
opens the drum door

② “ON/OFF” button
to turn machine on or off or
to interrupt a programme.
“On” light illuminates

③ Pushbutton switches for additional
options

④ SPIN SPEED SETTING

⑤ PROGRAMME SEQUENCE indicator
(LED indicator lights)

⑥ PROGRAMME SELECTOR switch

Important safety instructions

WARNING – To reduce the risk of fire, electric shock, or injury to persons when using your appliance, follow basic precautions, including the following:

1. Read all instructions before using the appliance.
2. Do not wash articles that have been previously cleaned in, washed in, soaked in, or spotted in gasoline, dry-cleaning solvents, other flammable or explosive substances as they give off vapors that could ignite or explode.
3. Do not allow children to play on the appliance. Close supervision of children is necessary when the appliance is used near children.
4. Before the appliance is removed from service or discarded, remove the door to the washing compartment.
5. Do not reach into the appliance if the drum is moving.
6. Do not install or store this appliance where it will be exposed to the weather.
7. Do not tamper with controls.
8. Do not repair or replace any part of the appliance or attempt any servicing unless specifically recommended in the user-maintenance instructions or in published user repair instructions that you understand and have the skills to carry out.
9. Do not add gasoline, dry-cleaning solvents, or other flammable or ex-

plosive substances to the wash water. These substances give off vapors that could ignite or explode.

10. Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for 2 weeks or more. **HYDROGEN GAS IS EXPLOSIVE.** If the hot water system has not been used for such a period, before using the washing machine, turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.

SAVE THESE INSTRUCTIONS

Refer to the Electrical Connection Section for Grounding on installation instructions.

Help protect our environment

Disposal of the packing material

The transport and protective packing is mostly manufactured from the following recycled or re-useable materials:

- corrugated paper/cardboard
- polystyrene - CFC-free
- polyethylene foil (transparent)
- Untreated wood
- Polypropylene (PP) strapping

Rather than throwing these materials away, please take them to your community recycling center.

Disposal of your old machine

Old machines contain materials which can be recycled. Please contact your recycling center or scrap merchant before disposing of the appliance.

WARNING – To reduce the risk of fire, electric shock, or injury to persons, read the IMPORTANT SAFETY INSTRUCTIONS before operating this appliance.

The key to good wash results is selecting the correct combination of detergent and temperature, and then allowing the washing machine to optimize their usage through its programming.

Programme lengths can vary for this reason: With the “Hydromatic” system, the drum can revolve at various speeds. Faster and slower agitation speeds along with pauses for soaking, combine to assure excellent results.

The automatic load control feature ensures the correct water level for the type of fabric and size of load being washed (even though it may appear as if there is too little water in the drum!).

Because of the accurately balanced drum and special sound insulation, machine noise is minimal when running.

The fully electronic controls offer a combination of simple operation with many optional features.

For instance, since a main wash generally gives good results for a normal load, the pre-wash cycle has been made a user selectable option, saving time, water and energy over older full-cycle machines.

Economy

For optimum economical usage remember the following tips:

- The automatic load control feature will adjust the water level for loads between 1 and 5 kg. However, if possible, load the machine to its maximum capacity in order to use water and energy to the best advantage.
- Use only the correct amount of detergent required for the water hardness in your area. Miele recommends the use of low-sudsing powder detergents, as their characteristics allow them to perform better in front-loading machines than regular powder or liquid detergents.
- If the wash is not heavily soiled, select a lower temperature than indicated on the wash care label, but do not use the “Short” option.
- Alternatively, for lightly soiled loads, use the “Short” option with no reduction in temperature.

Before using for the first time

Important:

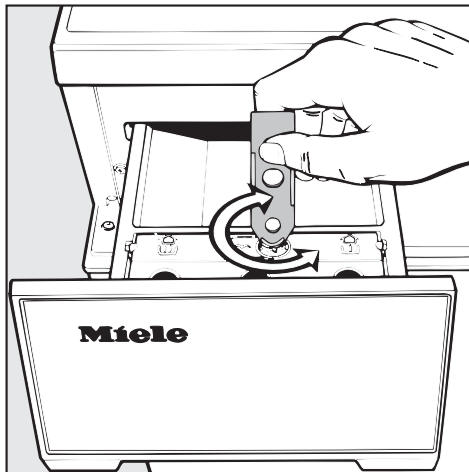
The appliance must be properly installed and connected to the water and electrical supply in accordance with local and national codes.

Installation instructions can be found on pages 33 - 37.

Make sure the transport struts on the rear of the washer have been removed.

Any residual water left in the machine from the testing process should be flushed out as follows:

- Do not put any laundry in the machine.
- Add a small amount of detergent to compartment **III**.
- Turn on the machine.
- Turn the programme selector to the "COTTONS 60°C" programme.
- Press the "Short" button.
- Any residues will be flushed out during the course of the programme.



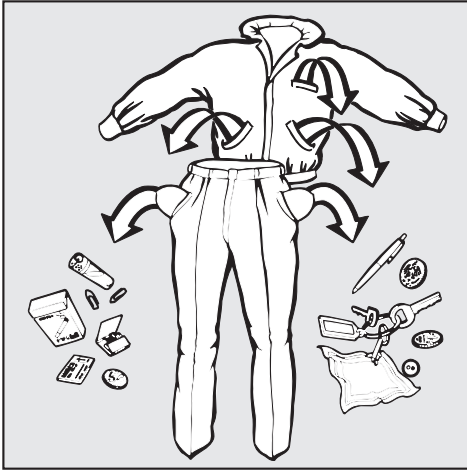
Water hardness reminder

The amount of detergent to use can depend on various factors, including the water hardness level in your area. You can set the water hardness dial in the detergent dispenser box as a reminder of the water hardness level in your area.

- Turn the dial to the applicable water hardness range 1-4. Use the tool supplied with the machine. It is located behind the detergent drawer door, on the left hand side (see page 24).

Water hardness ranges

in grains per imperial gallon and PPM (mg/l) CaCO ₃			
1	2	3	4
soft water	medium water	hard water	very hard water
less than 8 grains per imp. gal.	9-17 grains per imp. gal.	18-27 grains per imp. gal.	over 28 grains per imp. gal.
less than 125 PPM CaCO ₃	130-250 PPM CaCO ₃	260-390 PPM CaCO ₃	over 400 PPM CaCO ₃



- Empty all pockets.

Foreign objects inadvertently left in pockets (e.g. nails, coins, paper clips, etc.) can cause damage to clothes and the machine.

Sort the laundry

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

Dark textiles often contain “excess dye” and should be washed separately several times before being included in a mixed load.

Delicate textiles should be washed separately using a delicates programme.

Pre-treating the laundry

Badly soiled areas (e.g. collars and cuffs) and water soluble stains can be pre-treated with bar soap, liquid stain pre-treatment or detergent mixed into a solution or paste.

Do not use detergents containing solvents in the machine.

Loading the machine

Unfold the laundry and place in the drum. To achieve best results it is advisable to make up mixed loads consisting of both large and small items. This improves the washing effect and helps distribute the load evenly to keep the machine stable and reduce noise during spinning.

Recommended load sizes are noted below:

COTTONS.....	5.0 kg
PERMANENT PRESS.....	2.0 kg
DELICATES.....	1.0 kg
WOOLLENS.....	1.0 kg
QUICK WASH.....	2.5 kg

With curtains: Remove lead weights or strips and place in a laundry bag.

Woollens and knitted garments should be turned inside out if recommended by the manufacturer.

Close the machine door

Make sure there are no clothes caught between the drum door and seal.

Textile care symbols


The textile care symbols on clothing indicate the maximum temperature at which the clothing should be washed and are a good guideline when choosing a programme. In choosing a programme, it can be taken into account that front-loading machines are gentler on clothing than most top-loading, vertical tub machines.

Do not use chlorine bleach!


Chlorine bleach will damage the machine.

The following is an explanation of textile care symbols:

Washing

 Do not wash

 Hand wash in 40°C water


 Machine wash at 40°C

Chlorine bleach


Do not use chlorine bleach! Chlorine bleach will damage the machine.

Drying


 Dry flat


 (Yellow symbol) Tumble dry low temperature
(Green symbol) Tumble dry medium to high temperature

 Hang to dry


 Drip dry

Ironing


 Do not iron

 Iron at low setting

 Iron at medium setting

 Iron at high setting

Dry cleaning

 Do not dry clean

 Dry clean

Powder detergent should be added to compartment **III** at the beginning of each wash cycle.

Miele recommends the use of low-sudsing powder detergents, as their characteristics allow them to perform better in front-loading machines than regular powder or liquid detergents.

Due to the Miele "Eco-System", approximately 2/3 of the manufacturer's recommended amount of detergent is generally sufficient for excellent wash results.

If you have difficulty finding a low-sudsing detergent, contact Miele Appliances Limited.

Do not use chlorine bleach! Chlorine bleach will damage the machine.

For extremely hard water:

Water is taken in through compartment **III** in the main wash. If your water is extremely hard (above 400 ppm CaCO₃) and the capacity of compartment **III** is insufficient for the amount of detergent needed, a Service Technician can re-programme the machine so that water and detergent can also be taken in through compartment **II**.

For small loads:

- Gradually reduce the amount of detergent used with each small load.
- Check the wash results and the condition of the laundry.

- If the laundry is not clean or if it is grey or hard to the touch, add slightly more detergent the next time you use the machine.

It is important to add the correct amount of detergent, because...

...too little detergent can result in:

- grey laundry
- grease/stains not being removed
- lime deposits on the heater elements and drum.

...too much detergent can result in:

- excessive foam
- low level of agitation
- poor cleaning and rinsing results.

Water Softeners


If you wish to use a water softener to cut down on detergent usage in hard water areas:

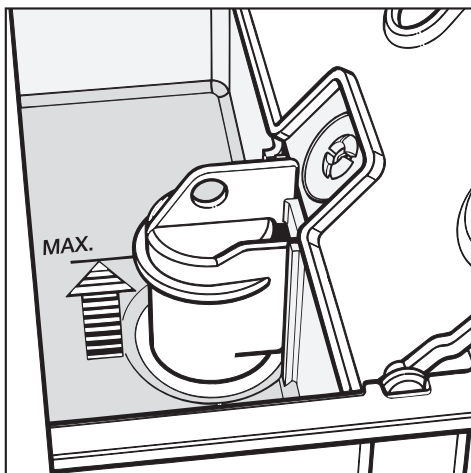
- add the amount of detergent necessary for a soft water area.
- Following the manufacturer's recommendations, add the specified amount of water softener.


Always add the detergent first, in compartments **II** and **III** followed by the softener, to ensure that both are properly dispensed.

Adding fabric softener


If fabric softener is desired, it will work more effectively and be gentler on the clothes if it is dispensed in the final rinse cycle of the wash, rather than in the tumble dryer, through the use of softener sheets. To automatically dispense fabric softener:

- Open the lid of compartment .





- Following the manufacturer's recommendations, pour the specified amount of liquid fabric softener into compartment . However, do not exceed the maximum fill level marked inside the compartment, as any excess will prematurely activate the siphon and be wasted.
- Close the compartment lid and push in the dispenser drawer.

The conditioner will automatically be dispensed during the last rinse cycle.


At the end of the programme a small amount of water will normally remain in compartment . A high water level in this compartment, however, may indicate that the siphon is clogged or the dispenser drawer was opened during the last cycle, thereby interrupting the distribution of fabric softener. In this case, the siphon tube should be cleaned as described on Pg.23.

Starch

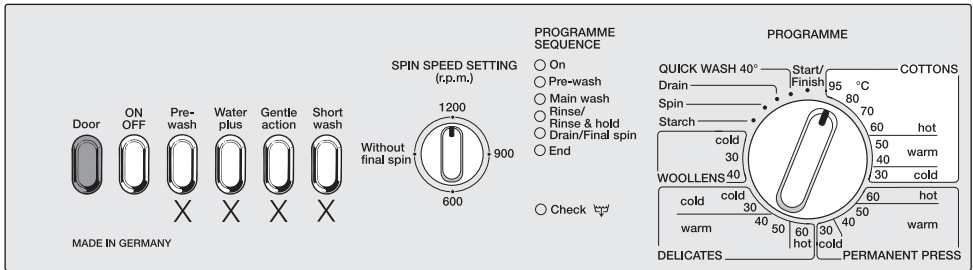
If starch is used for shirts, blouses, table cloths, napkins, etc., pour the liquid starch into compartment  (use the same procedure as for fabric softener).

Never mix fabric softener and starch together in compartment . This can lead to a blockage in the washer's overflow system.

Use the "Starch" programme for dispensing liquid starch (see Pg. 15).

- Prepare the starch solution in accordance with the manufacturer's instructions and pour into compartment .
- Use the normal water level (Water plus button "out") when starching so that the solution will have the maximum effect.
- "Without final spin" can be selected to reduce fabric creasing.

The run time of front-loading machines is longer than that for most top-loading, vertical tub machines. This is because front-loading machines balance the 5 basic washing factors (mechanical action, water, detergent, temperature and time) differently than do vertical tub machines. Miele's front-loading machines use an advanced hydromatic washing action, precise and steady temperatures, less water and detergent than vertical tub machines but more time. The longer run time is part of the equation that produces Miele's excellent wash results.



COTTONS

For cotton fabrics without special finishes.
For most everyday loads, e.g. sheets, towels, jeans, sweatshirts, t-shirts, underwear.

1) Water levels used:

- wash - low
- rinse - low

2) Rinse cycles used:

- Normal programme - four
- Short programme - four

X = additional options

Temperature guidelines:

- 30 - 40°C - dark coloured items.
- 40 - 50°C - light coloured items.
- 60 - 95°C - exclusively white items.

80°C - e.g. whites, such as socks, which would commonly be bleached in a top-loading, vertical tub machine.
95°C - e.g. diapers.

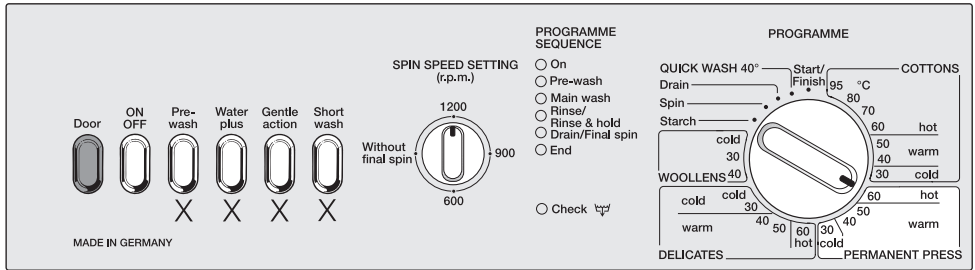
max/load: 5.0 kg (11 lbs.)

max/spin: 1200 rpm

Normal run time: 1 h 55 min

Short run time: 1 h 20 min

Programmes



PERMANENT PRESS

For cotton blend fabrics, polyester blends and other synthetics such as acrylic, nylon and ramie.

- 1) Water levels used:
 - wash - low
 - rinse - high (to reduce wrinkling)
- 2) Rinse cycles used:
 - Normal programme - three
 - Short programme - three

X = additional options

30°C - dark fabrics which are a blend or 100% synthetic fabrics.

40 - 50°C - light coloured cotton or synthetic items.

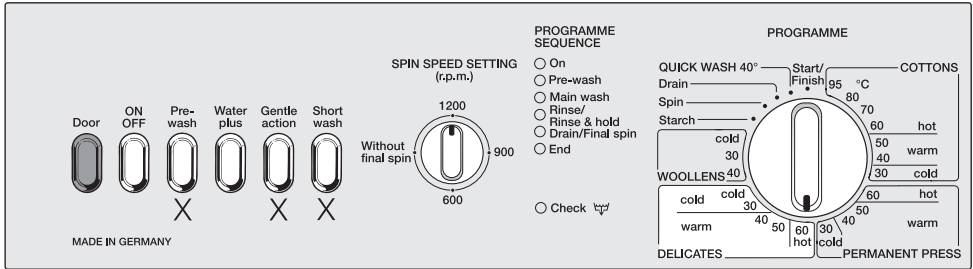
60°C - white polyester/cotton items.

max load: 2.0 kg (4.5 lbs)

max spin: 900 rpm

Normal run time: 1 h 11 min

Short run time: 50 min



DELICATES

For synthetics, machine washable silks, fine washables commonly washed by hand (e.g. blouses, sweaters, but not wool or wool blends), lace or crocheted (non-woolen) items, curtains and knit garments.

1) Water level used:

wash - high
rinse - high

2) Rinse cycles used:

Normal programme - three
Short programme - three

X = additional options

Temperature guidelines:

cold - 30°C - dark coloured silks and all synthetic items (lingerie)

40 - 50°C - light coloured silks and lace tablecloths.

60°C - white cotton lace and crocheted items.

For machine washable curtains, use cold -30°C with a pre-wash. Load the drum loosely up to 1/3 full.

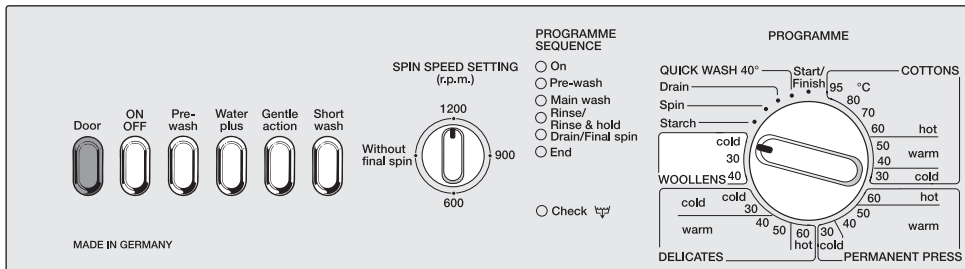
max load: 1.0 kg (2.2 lbs)

max spin: 600 rpm

Normal run time: 59 min

Short run time: 42 min

Programmes



WOOLLENS

For all machine washable woollens and wool blends, including blankets and wool mixtures with cotton or rayon. Also suitable for woollens commonly washed by hand (e.g. sweaters) and silks.

1) Water level used:

wash - low
rinse - high

2) Rinse cycles used:

Normal programme - three

No additional options can be selected in this programme.

Reduced agitation is also used.

Temperature guidelines:

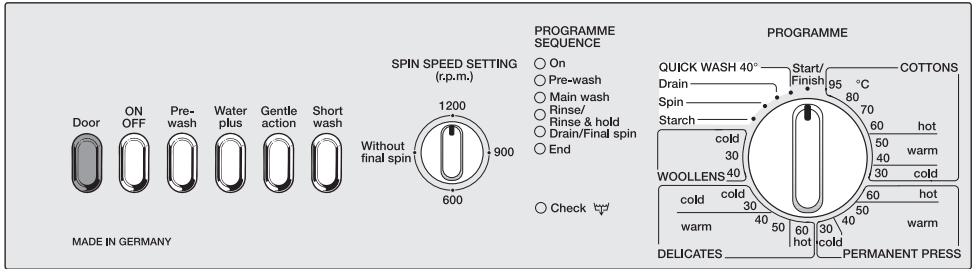
cold - 40°C - for all colours of wool.

cold - 30°C - for silk.

max load: 1.0 kg (2.2 lbs.)

max spin: 900 rpm

Run time: 48 min



Starch

For tablecloths, napkins, aprons, shirts.

max load: 5.0 kg (11 lbs.)

max spin: 1200 rpm

Run time: 21 min

Spin

For spinning wet items not washed in the machine (hand washed). Such items must be suitable for machine spinning.

max load: 5.0 kg (11 lbs.)

max spin: 1200 rpm

Run time: 12 min

Drain

For draining water from the machine when "Without final spin" has been selected as the spin speed so that laundry may be removed wet for drip drying.

QUICK WASH 40°C

For very lightly soiled items or new garments which need to be washed before wearing for the first time.

max load: 2.5 kg (5.5 lbs.)

max spin: 1200 rpm

Run time: 40 min

NOTE:

If "cold" is selected in "WOOLLENS" or "DELICATES", the machine will heat the water to 24°C to help the detergent dissolve and to compensate for temperature fluctuations in the plumbing system.



To soak clothing, select one of the programmes "COTTONS", "PERMANENT PRESS", "DELICATES" or "WOOLLENS", wait for the machine to fill and press the "ON/OFF" button. The machine will turn off. After soaking, select "Drain".

Additional options

By selecting one or more of the push-button options, basic programmes can be tailored to the type of laundry being washed.

“Pre-wash”

- Use for heavily soiled or stained laundry items.
- Available in the “COTTONS”, “PERMANENT PRESS” and “DELICATES” programmes.

Add the required amount of powder detergent to compartment  and .

“Water plus”

This increases the normal water level to a slightly higher level:

- for particularly delicate fabrics in addition to the “Gentle action” option,
- in hard water areas, if more water is required for dispensing the detergent,

The “Water plus” option is active in the following programmes:

- the wash and rinse cycles for COTTONS.
- the wash cycle for PERMANENT PRESS.

“Gentle action”

For actioning of lightly soiled items, or delicate fabrics which tend to pill.

Drum movement is reduced by half.

Available in the “COTTONS”, “PERMANENT PRESS” and “DELICATES” programmes.

“Short”

For lightly soiled items. The length of the main wash is shortened. An additional reduction in temperature is not recommended as this may lead to poor wash results.

Selecting the spin speed

Set the selector switch to the highest setting to save energy if the laundry is to be dried in a tumble dryer. The lower the spin speed selected, the more residual moisture left in the clothing after spinning. A lower spin speed may be selected for especially delicate fabrics. The spin speed in the “PERMANENT PRESS” and “WOOLLENS” programme is automatically limited to 900 rpm, and in the “DELICATES” programme to 600 rpm.

“Without final spin”

If this option is selected, the laundry will remain suspended in water at the end of the programme. If the wash is to be spun, turn the spin speed selector from “Without final spin” to the desired spin speed. If spinning is not desired, turn the programme selector switch to “Drain”.

Changing the programme sequence

Selecting a programme

A programme can only be started when:

- The machine is turned on.
- The drum door is properly shut.
- The programme selector switch is at the “Start/Finish” position.

Turn the programme selector switch to the desired programme to begin.

To cancel a programme:

- Turn the programme selector switch to the “Start/Finish” position.

To interrupt a programme:

- Turn the machine off. To re-start a programme, turn the machine on again.

To change an incorrectly selected programme:

- Turn the programme selector switch to “Start/Finish”. When only the “On” LED is illuminated, a new programme can be selected.

To change a programme where the child safety option has been set, see page 19.

During operation, it is possible to:

- omit one or more programme stages
- or
- repeat one or more programme stages.

To omit a programme stage:

A programme stage must first be reached to be omitted. When the PROGRAMME SEQUENCE indicator lamp indicates the stage to be omitted:

- Turn the programme selector to “Start/Finish”.

As soon as the PROGRAMME SEQUENCE indicator lamp for the stage at which you wish to continue starts flashing:

- turn the programme selector switch to the appropriate programme.

To repeat a programme stage:

A programme stage must have finished before it can be repeated. When the PROGRAMME SEQUENCE indicator lamp indicates the stage after the one to be repeated:

- Turn the programme selector switch to “Start/Finish”.

When only the “On” LED is illuminated:

- select a programme.
- After approx. 5 seconds, turn the programme selector switch back to “Start/Finish”.

Once the PROGRAMME SEQUENCE indicator lamp of stage you wish to repeat starts flashing:

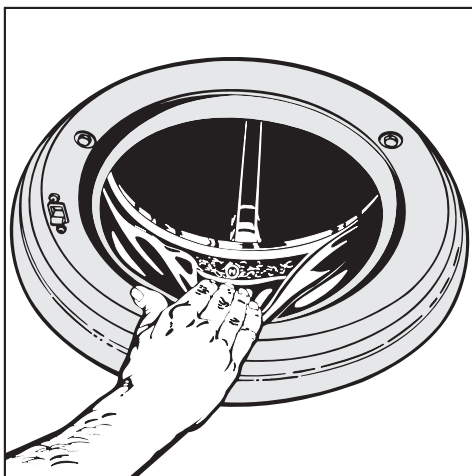
- turn the programme selector switch to the desired programme within a period of 3 seconds.

End of Programme

After washing:

- Turn the programme selector switch to “Start/Finish”.
- Open the door.
- Turn the machine off.

Do not remove laundry from the machine if the drum is turning. You may seriously injure yourself. If the drum turns with the door open, contact the Miele Service Department.



- Check the folds in the door seal for any small articles such as buttons or nails which may be lodged there.
- Close the drum door.

Make sure the drum is empty or, during the next use, items may be damaged (e.g. shrink) or cause other laundry to discolour.

Additional options can be programmed into the machine if desired:

A High water level (only in “Cottons” rinses)

Where rinse results are particularly important (e.g. Soap allergies).

B 5th Rinse in the “Cottons” programme

For soft water areas (up to 135 ppm).

In soft water areas a higher water level can be selected in addition to a 5th rinse cycle, if required.

C Programme Lock (Child safety feature)

When activated, the washing machine will ignore any changes made after the first three minutes of operation. For example, if the programme selector switch is moved to a different setting or an additional option is selected, the “On” lamp will flash, notifying you that the Child safety feature has been activated, but the programme will continue uninterrupted. This prevents children from inadvertently changing or stopping a wash programme by playing with the dials.

If the programme selector switch is turned to its original position, the “On” lamp will stop flashing.

To change a programme:

- Turn the programme selector switch to “Start/Finish”.

The sequence indicator lamps will start flashing in succession after about 30 seconds. A new programme can be selected as soon as the “On” lamp is the only one remaining lit.

The three options described above can be programmed by the Customer using the steps shown on pages 22-23.

There are other programmable functions which are reserved for Miele Service Engineers. They are not normally activated and require access to internal machine components. In areas with low water pressure, the machine can be adjusted such that a programme interruption due to low water pressure will occur after 6 minutes rather than after 4 minutes. In areas with extremely hard water (above 400 ppm CaCO₃) such that the capacity of compartment **U** is insufficient for the amount of detergent needed, the machine can be adjusted to take water and detergent in through compartment **L** in the main wash.

Programmable options

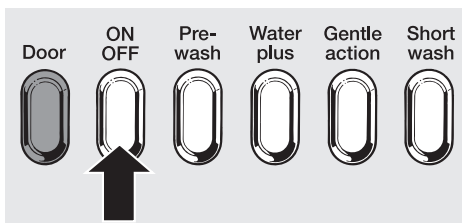
To activate the additional options:

Turn off the machine, close the door, and release all pushbuttons. Set the programme selector switch to “Start/Finish”.

Carry out steps 1 and 2 within **4 seconds**.

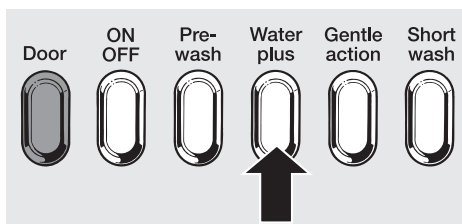
Step 1:

- Press the “ON/OFF” button

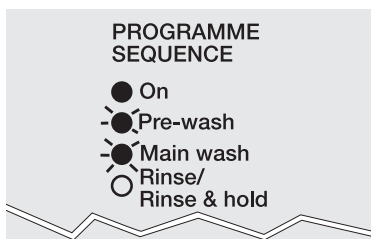


Step 2:

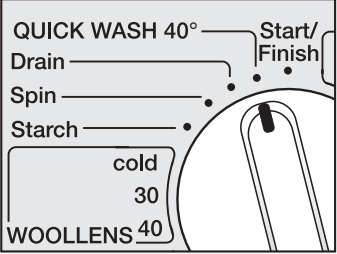
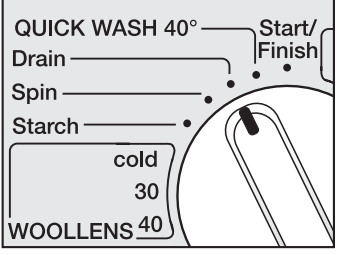
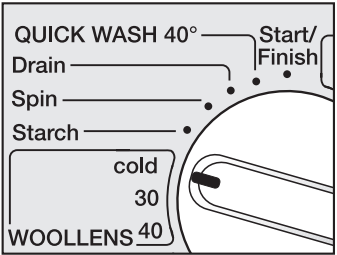
- Press the “Water plus” button 4 times (i.e. press in and out twice)



The “On” LED will light up and the “Pre-wash” and “Main-wash” lights will flash. If this does not occur, press the “ON/OFF” button to switch the machine off and repeat step 1 and 2.



Programmable options

<p>Step 3:</p> <p>■ Set the Programme selector to:</p> <p>“Quick Wash”</p>	 <p>additional options</p> <p>Ⓐ High water level (Only in “Cottons” rinse cycles)</p>
<p>or</p> <p>“Drain”</p>	 <p>additional options</p> <p>Ⓑ 5th rinse in “Cottons” programme</p>
<p>or</p> <p>“Woollens cold”</p>	 <p>additional options</p> <p>Ⓒ Programme Lock (Child safety feature)</p>
<p>Step 4:</p>	<p>■ Press the “Water plus” button twice (i.e. in and out once)</p>
<p>Then:</p>	<p>The “Rinse/Rinse & hold” LED will light up</p>
<p>Step 5:</p>	<p>■ To store the option: press the “ON/OFF” button</p>

Programmable options

Deleting the additional options:

Follow the same instructions given under “activating the additional options”, steps 1 to 4.

When the “Rinse/Rinse & hold” lamp goes out;

- Press “ON/OFF”.

The additional option has now been deleted.

If, after Step 2, the selector switch is accidentally turned to a setting other than one of the three shown:

- If the Rinse/Rinse & hold indicator does not light up - no option was activated.
- If the Rinse/Rinse & hold indicator lights up - proceed as for “Deleting the additional options” above.

Exception: the Rinse/Rinse & hold indicator will light up if the switch is set to “Cottons 95°C”. This is only an indicator that this machine is programmed for cold water intake. No option was activated.

USER MAINTENANCE INSTRUCTIONS Cleaning and Care

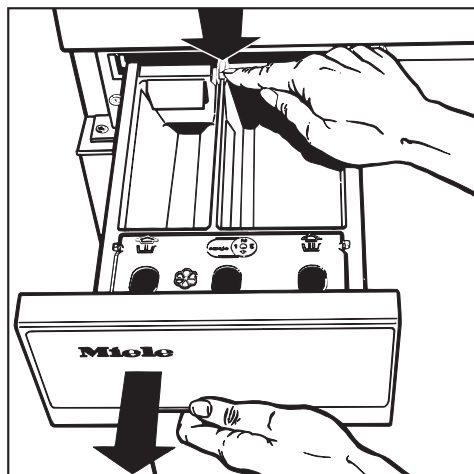
Cleaning the washing machine

- Clean the casing with a mild non-abrasive detergent, or soap and water.
- Wipe dry with a soft cloth.
- Clean the fascia panel with a damp cloth and dry with a soft cloth.
- The drum can be cleaned using a stainless steel cleaner according to the manufacturer's instructions.

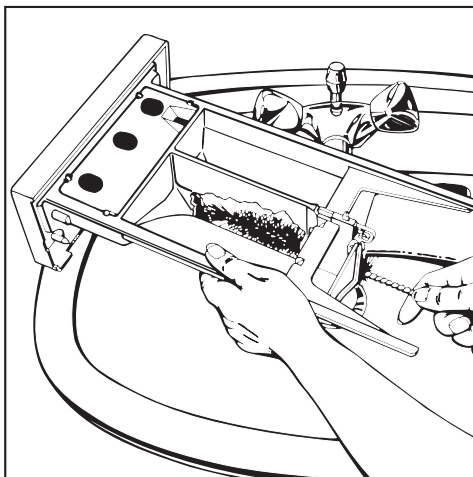
Do not use abrasive cleaners or solvents.

Cleaning the detergent drawer

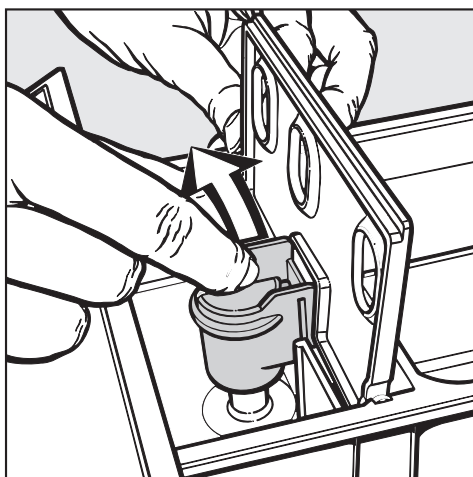
- Should the detergent drawer become clogged or dirty, it can be cleaned as follows:
- Pull out the drawer until resistance is felt.




- Press down the red release lever and, at the same time, pull the drawer out of the machine.



- Clean the dispenser compartments and the fabric softener duct.

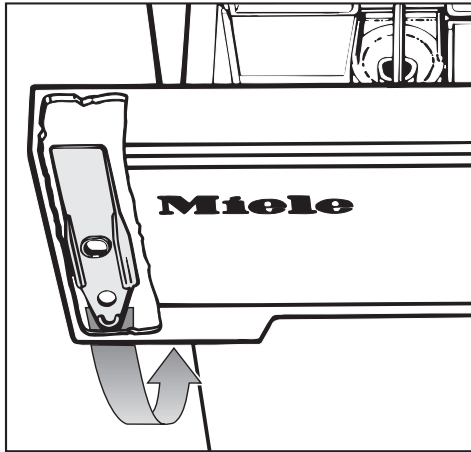


- Remove the siphon tube from compartment  and rinse in warm water.

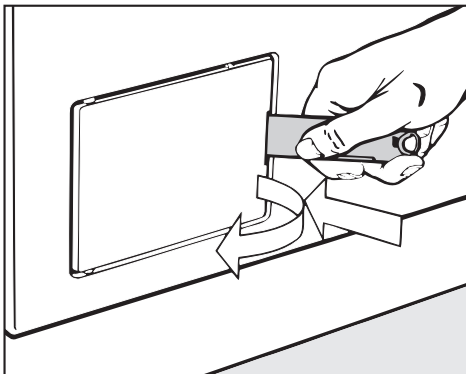
Cleaning and Care

Cleaning the drain pump and lint trap

The lint trap generally will require cleaning only if small items are frequently left in pockets, or if objects containing long fibers or hair (Afghans, dog blankets, etc.) are often washed.

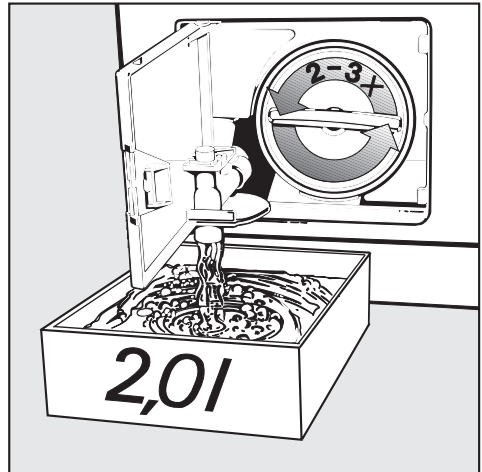


To clean this filter: Remove the tool from behind the detergent dispenser drawer.



- Open the lint trap door.

- Place a 2 litre (2 quart) capacity dish underneath the drain tube.

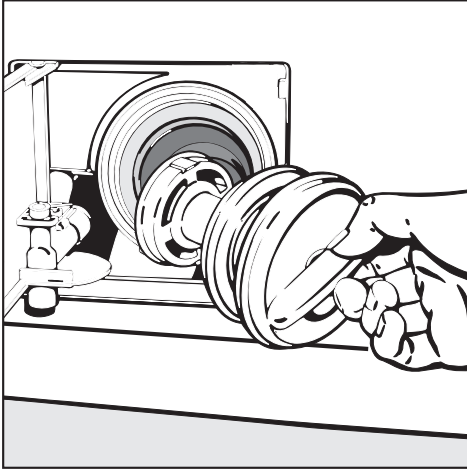


- Turn the lint trap lid counterclockwise 2-3 times. Do **not** remove it. Approx. 2 litres (2 quarts) of water will drain out of the hose.

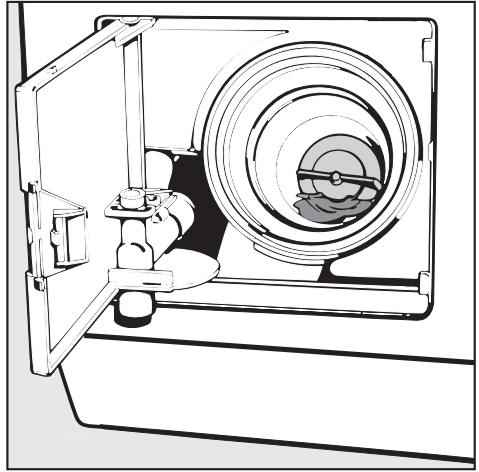
If the main drain hose is clogged, more water will remain in the machine (max. 25 l or 5.5 gal.). In this case, tighten the lint trap lid and empty the dish before repeating the procedure as often as necessary.

Caution: if laundry has been washed at a high temperature, the water draining out of the machine will still be hot! Stop and allow it to cool before proceeding.

- Once the flow of water ceases, remove the lint trap and clean it.
- Remove any foreign objects (e.g. buttons, coins, etc.) and lint.



- Turn the drain pump impeller (in the back of the chamber) by hand to check that it rotates freely. Any foreign objects causing an obstruction should be removed.



- Clean inside the lint trap housing.

Remove any detergent deposits or foreign objects from the threads of the filter housing and filter unit.

- Wipe all contact surfaces clean of sand and lint before re-assembling.

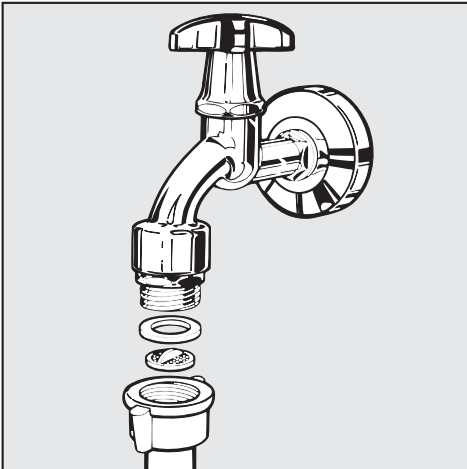
Cleaning and Care

Cleaning the water inlet filter

The washing machine has two water inlet filters to protect the inlet valve:

To clean the filter in the inlet hose:

- Close the valve.
- Carefully unscrew the inlet hose from the valve by turning the connector counterclockwise, using a wrench, if necessary.
- Remove the rubber seal from the connector.



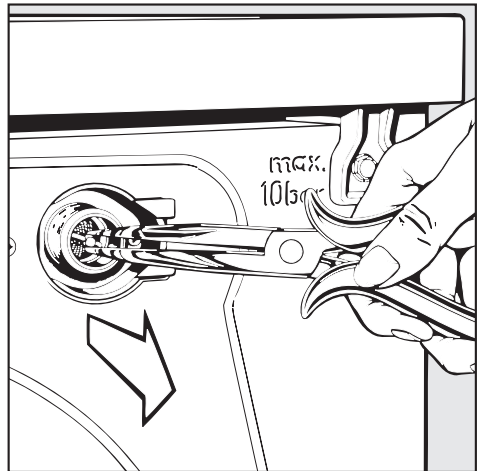
- Using needle nose pliers, grasp the plastic filter bar and remove the filter. Clean under running water and carefully remove any large particles.
- Replace the filter and seal in the reverse order and reconnect the hose. Slowly turn on the valve and check for leaks.

Inspect the inlet hose regularly. The hose should be replaced if there are small cracks in the surface, or if it has been otherwise damaged or pinched.

If a replacement is necessary, use only a genuine Miele inlet hose, as other hoses may burst under pressure.

To clean the filter in the inlet valve:

- Using a wrench, carefully loosen and remove the plastic hose connector on the inlet valve.



- Use needle nose pliers to withdraw the plastic filter by pulling on the bar (see illustration). Rinse under water to clean and then replace.

The two filters - one at the pressure hose/valve connection and one at the inlet connection to the solenoid valve - must not be removed.

Any work on the electrical components of this appliance should only be performed by a qualified and trained person in accordance with all local and national codes and regulations. Unauthorized repairs may cause injury and damage to the machine.

The following are minor faults that can be corrected without contacting the Service Department.

A selected programme does not begin

The “On” indicator lamp does not light up.

Check that

- the door is properly closed,
- the machine is plugged in and that the fuse or circuit breaker has not tripped.

The “On” indicator lamp is on, a programme has been selected, but the “Pre-wash” or “Main wash” indicator lamps do not light up.

The programme selector switch was not at the “Start/Finish” position when the programme was selected. The following selection sequence is important:

1. Turn the programme selector switch to “Start/Finish”.
2. Select a programme.

Check warning lamp flashes

Drainage fault

- Check if the lint trap is clogged. Clean the trap and pump impeller as described on page 25, if necessary.
- Check whether the drain hose is kinked or clogged.

The check lamp will go out when the programme selector switch is turned to the “Start/Finish” position.

The “End” indicator lamp is on, but the laundry in the machine has not been washed.

The water valve is not open:

- Turn the programme selector to “Start/Finish”.
- Turn on the water supply valve.
- Select a programme.

The water inlet system is blocked:

- The valve is not fully open.
- The inlet hose is kinked or clogged.
- The water pressure is too low.

Check if the water flow through the valve is at least 5 l (1 gal.) in 15 seconds.

- The filters in the inlet hose are clogged (see “Cleaning and Care” on page 26).

If, after checking the above, too little or no water is taken in during the next programme, call the Miele Service Department.

Problem solving guide

The “Pre-wash” indicator lamp flashes.

- Start the programme again. If the indicator still flashes, call the Miele Service Department.

The “Main wash” indicator lamp flashes during, or after the end of a programme.

If this occurs again during the next programme, call the Miele Service Department.

Despite adequate water supply pressure, the machine takes a long time to fill.

Clean the filters in the water inlet system as described on page 28.

Large amounts of unused detergent remain in the dispenser drawer.

Water supply pressure is too low.

- Clean the filters as described on page 28.
- Select the “Water plus” option if necessary.
- If using a water softener, pour the detergent into the dispenser before adding the water softener.

Fabric softener is not completely dispensed or water remains in the compartment .

The dispenser drawer was opened while the fabric softener was being flushed in,

or

The siphon tube is incorrectly positioned or clogged. Clean as described on page 25.

Excessive build-up of foam

To avoid this problem from the outset, take note of the following points:

- Use only low-sudsing powder detergents. If foaming still occurs, cut back to approximately 2/3 of the manufacturer's recommended quantity.
- For lightly soiled articles or a small load, reduce the amount of detergent accordingly.
- Pre-soaked items should be rinsed thoroughly before washing.

It may be necessary to run a short wash cycle without detergent or clothes in order to flush excess foam out of the machine. The machine should run normally after this procedure.

Lime deposits are visible on the surface of the drum

- Use a descaling agent to remove the deposits. Consult the manufacturer's instructions before use to ensure that the product is suitable for use in washing machines.

Pilling is evident on the fabrics

Normal, everyday wear of certain fabrics causes pilling to occur. The Gentle action option should be selected when washing these fabrics, or use a programme with a higher water level and reduced agitation to decrease the risk of further pilling (e.g. Fine/Delicates or Woollens).

Grey, greasy particles cling to washed laundry

The wash load was heavily soiled with greasy substances such as ointments or lotions, and the amount of detergent was insufficient to break down the particles of grease.

- In the future, when washing loads of this nature, add more detergent to the main wash compartment or use the pre-wash cycle with detergent. Before washing the next load, run a Cottons 60°C programme with detergent, but without a load, to clean the machine.

Problem solving guide

Laundry washed with liquid detergent is not clean

Liquid detergent does not contain any bleaching agents capable of removing stains such as fruit, coffee or tea.

- Miele recommends the use of a low-sudsing powder detergent. These detergents usually contain agents capable of removing these stains. Laundry can also be pre-treated.

If using a liquid detergent, only those specifically formulated for front-loading machines are recommended.

The machine shakes during the spin cycle

If this is a new installation, check to see that the transport struts have been removed from the back of the washer. If this occurs on an existing washer, the most likely cause is that the machine's four feet are not resting securely on the floor. Level the machine as shown on page 37.

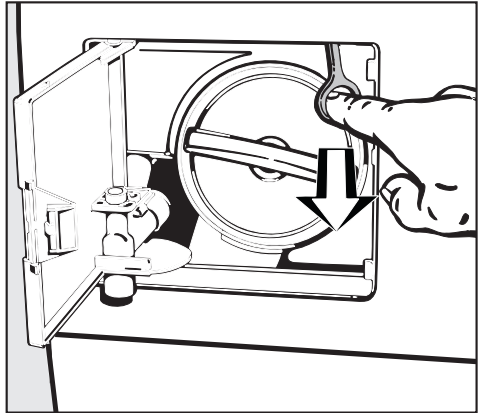
Weak floorboards not only lead to excessive noise but also to shaking during the spin cycle (see page 35 for advice).

The laundry is too wet or the machine does not spin at all

- The selected spin speed was too low.
- The machine was not able to distribute the laundry load evenly. To protect the machine, the laundry was spun at a reduced speed or not at all.
- Large items which tangle or roll up in the drum (e.g. bath mats) can cause an imbalance during the spin cycle. For safety reasons, the machine does not spin if this is the case. Attempts to build up spin speed are repeated, however, until the time allocated to spinning has expired. It is therefore important to wash mixed loads consisting of large and small items.
- The lint trap may be clogged. Clean the filter and the pump as described on pages 26-27.

Opening the drum door in the event of a power failure

- Turn off the washing machine.
- Open the drain pump access panel and drain off any water as described on page 26.



- Pull down the ring in the upper right corner of the access area, and the door will open.

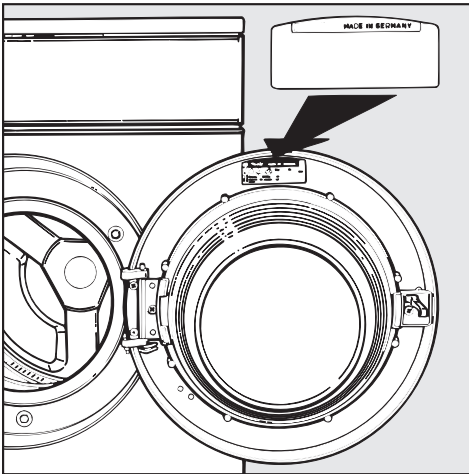
Always make sure the drum is stationary before reaching in to remove laundry. Reaching into a moving drum is extremely dangerous.

After sales service

If problems occur that cannot be easily repaired, or if the appliance is under warranty, please contact:

- Your Miele Dealer or
- The Miele Service Department (see back cover).

When contacting the Service Department, please have the Model and Serial numbers of your appliance available, both which can be found on the dataplate visible above front glass, on the inside of the door.



Specimen:



INSTALLATION INSTRUCTIONS Installation

Installation surface

Experience has shown that a concrete floor is the most suitable surface for a washing machine. Concrete floors are far less prone to vibration during the spin cycle than wooden floors.

Please note the following points:

- The machine must be level and securely positioned.
- To avoid vibration during spinning, the machine should not be installed on soft floor coverings.
- If installation will be on a wooden joist floor: we recommend the use of a plywood base at least 3cm thick and 59 x 52 cm wide. Ideally the base should be large enough to span several joists and should be anchored to the joists and not just the floorboards.
- As a general rule, we recommend the installation of the machine (or washer/dryer stack) in the corner of a room where the stability of the floor is at its greatest.
- If the machine is installed on a raised platform, it should be secured using retaining clips (available from the Miele Parts Dept.). If installed on a masonry or concrete base, the base should be provided with a rim 1 to 2 cm high.

Installation

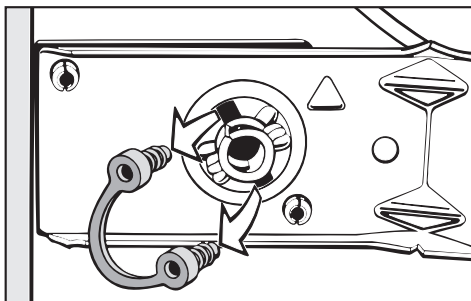
Lift the machine from its shipping pallet and move it to the installation site.

Please note:

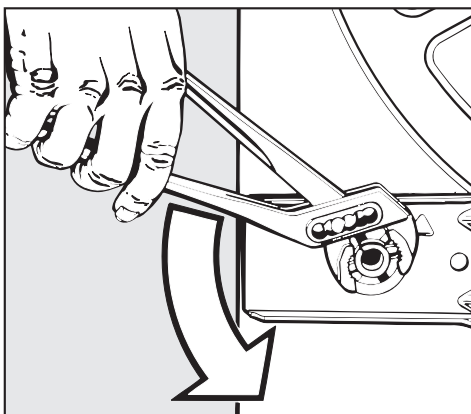
- Do not lift the machine by the drum door.

- Ensure that the machine feet and the floor are dry to prevent slippage during the spin cycle.

Removing the transport struts

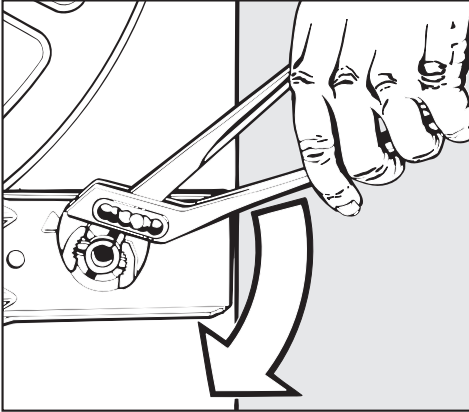


- Using adjustable pliers, pull out the retaining clips on the right and left of the support plate.

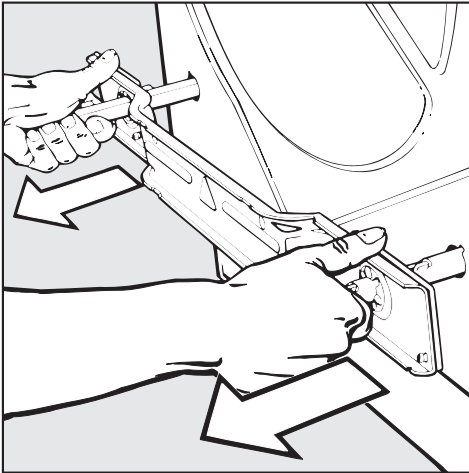


- Turn the left-hand transport strut 90° counterclockwise.

Installation



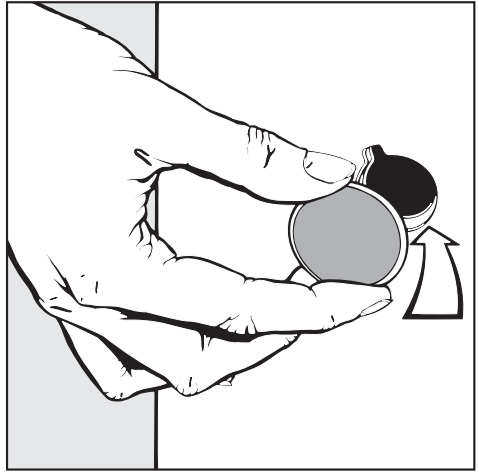
- Turn the the right-hand transport strut 90° clockwise.



- Withdraw the two struts together with the support plate.
- Plug the two holes with the plastic caps provided.

The machine should not be moved without the transit struts in place.

The transit fitting should be stored in a safe place for future use. It must be reinstalled before the ma-



chine moved. Reinstallation can be carried out by reversing the procedure.

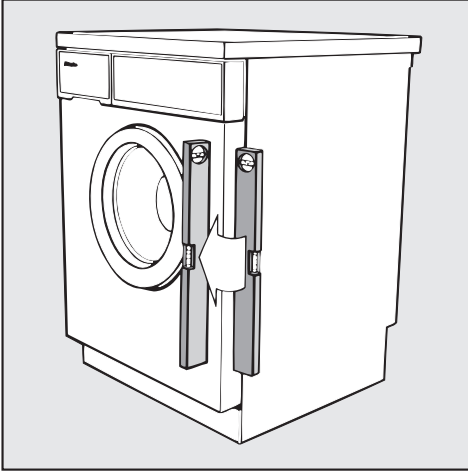
Washer-Dryer stack

A Miele tumble dryer can be stacked on top of this washing machine. A stacking kit* can be purchased from the Miele Parts Department.

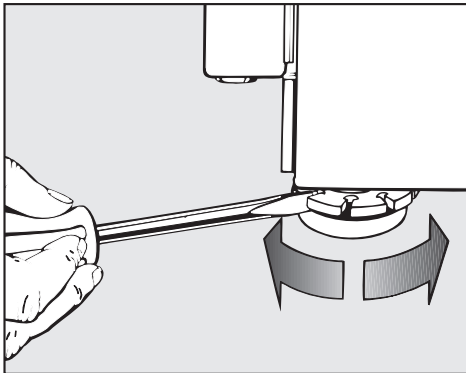
All parts marked * are available from the Miele Parts Department.

Levelling the machine

The machine must be level to ensure smooth operation. Check with a spirit level.



The feet are adjusted using the leg levellers as follows:



Note: All 4 legs have counter-nuts.

- Shorten front left leg until the machine stands on 3 legs only; push machine diagonally to be sure that machine is standing on 3 legs only.

- Use a level to check levelling of machine in both directions as shown above.
- Adjust the 3 legs in use until a level position is attained. Turn the counter-nuts upright and tighten them against bottom of machine.
- Lower the front left leg to make firm contact with the floor, turn the counter-nut upward and tighten.
- Check levelling of machine by pushing and pulling diagonally on top of machine casing. The same stiffness should be felt in both directions.

Grounding instructions and Electrical connection

GROUNDING INSTRUCTIONS

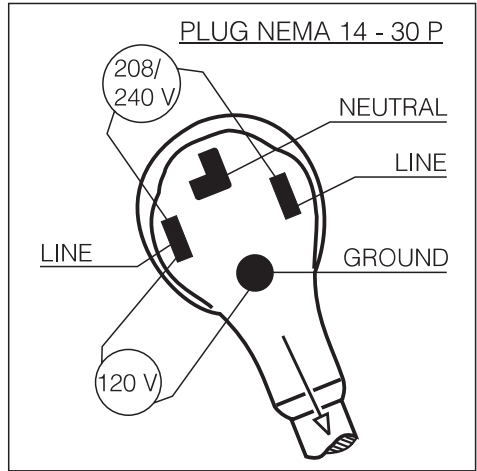
This appliance must be grounded.

In the event of a malfunction, grounding will reduce the risk of electrical shock by providing a path of least resistance for the electric current. This appliance is equipped with a cord having an equipment grounding conductor and plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all national and local codes and regulations.

WARNING

Improper connection of the grounding conductor can result in the risk of electric shock. Check with a qualified electrician if you are in doubt as to whether the appliance is properly grounded.

Do not modify the plug provided with the appliance; if it will not fit the outlet, have a proper outlet installed by a qualified electrician.



ELECTRICAL CONNECTION

The washing machine comes supplied with a 1.5 m (5 ft.) long, 12/4 AWG cord with a 4 wire, 3 pole grounding plug. (NEMA 14-30P regular Canadian dryer plug). It is ready for connection to a 120V/240V (208V), two phase, 60 Hz power supply. The proper outlet can be purchased from any electrical supply dealer. Ask for a NEMA 14-30R receptacle. (See Canadian Electrical Code, Part I, CSA Configurations for Non-Locking Receptacles.)

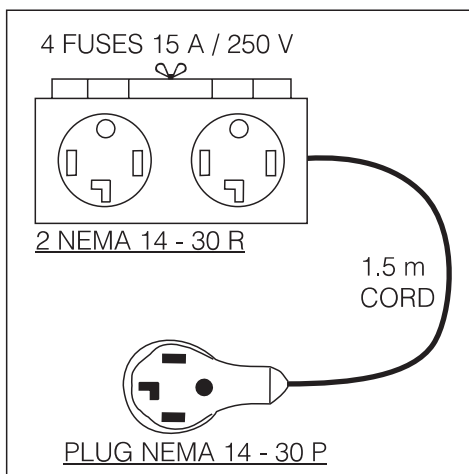
Grounding instructions and Electrical connection

“DOUBLE RECEPTACLE”

Miele offers a “Double Receptacle”, which will allow you to use a standard dryer, 4 wire, 30A outlet that most laundry rooms already have. Two 15A appliances can be powered from this kit.

For more information on the “Double Receptacle”, please contact

- your Miele dealer or
- the Miele Service Department.



Plumbing

Connect the water supply hose (the hose marked blue) to the cold water valve.

Turn on the valve and check for leaks. The water pressure must be within 14-140 psi (0.1-1 MPa). If the water pressure is greater than 140 psi (1 MPa), a pressure reducer must be installed. At pressures below 14 psi (0.1 MPa), the standard inlet valve of the machine must be exchanged for a low pressure version available from the Miele Parts Dept.

The water supply hose is equipped with a filter; please do not remove this filter.

Connection to the drain system

The 1.5 m (5 ft.) drain hose may be connected as follows:

1. Directly into a sink: hook the hose over the edge of the sink and secure it firmly (e.g. by tying the hose to the water faucet).
2. Connection to a stand pipe: place the drain hose into a 38 mm (1 1/2") stand pipe and firmly secure it. (An antisiphoning device is not required; there is one built into the machine.)
3. To a floor drain: if desired, the drain hose may be extended to 4.5 m (15 ft.) maximum.

The machine drains using a pump with a maximum delivery head of 1 m (4 ft.).

Make sure there are no kinks in hose.

The machine is equipped with an air-gap/anti-siphoning system so that no minimum drain height is required.

1.1 Dimensions

Height	850 mm (+ 10/-0.5mm)
Width	600 mm
Depth (including distance from wall)	600 mm
Weight	99 kg (219 lbs.)
Capacity	5 kg dry laundry
Rated load	2.8 kW
Fuse rating	15 Amp
Water pressure	1 – 10 bar (0.1-1 MPa)
Maximum delivery head	1.25 m
Drain hose	25 mm
Maximum length	5.0 m
Power supply	120V / 240V ~ 2 phase 60 Hz (208 V)
Max floor load	164 kg (360 lbs.)

Technical data

1.2 Specifications

Cold water connection hose with 3/4" Female hose thread (typical thread for washing machine or garden hose).

Drainage via 1.5 m (5 ft.) long , 1 1/4" OD hose.

Electrical: 1.5 m (5 ft.) long cable with plug for connection to a two phase, 120/240 (208) VAC, 60 Hz power supply (3-pole-4 wire grounding).

Power consumption: (Extended cycles)

Cottons without prewash	95°C	1.8 kWh
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Water consumption:

Cottons without prewash	63 l
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Programme duration:

Cottons without prewash	95°C	115 minutes
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Spin speed:

W 1903	from 600 to 1200 rpm
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Detergent dispenser:

Automatic for:	Prewash Mainwash Fabric softener or starch
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Temperature control variable:	from cold to 95°C
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