



Operating instructions for the W 1903 Washing Machine

To prevent accidents
and machine damage,
read these Operating Instructions
before installation or use.



M.-Nr. 05 018 530

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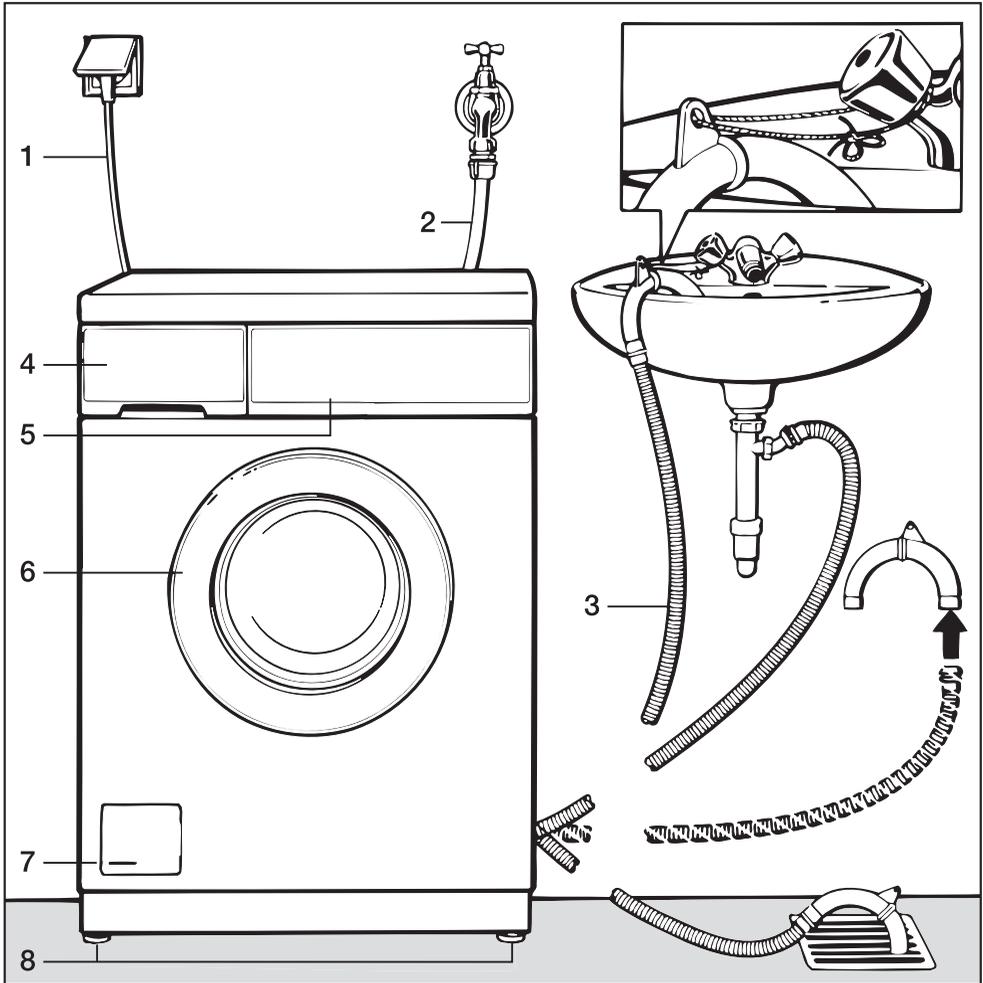
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INSTALLATION INSTRUCTIONS

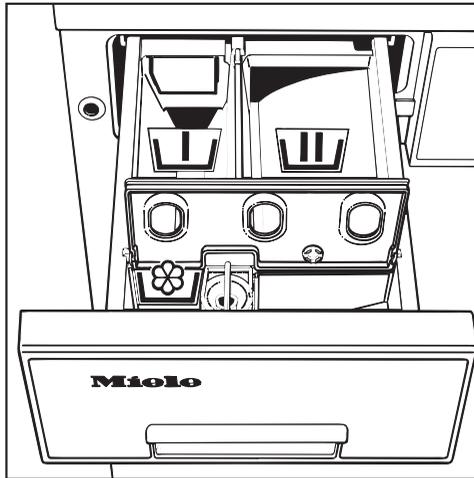
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- | | |
|---|--|
| 1 Supply cable | 5 Control panel |
| 2 Cold water pressure hose | 6 Drum door |
| 3 Flexible drain hose, with detachable swivel elbow | 7 Panel for access to lint filter and drain pump |
| 4 Detergent dispenser drawer | 8 Four height-adjustable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

Guide to the machine

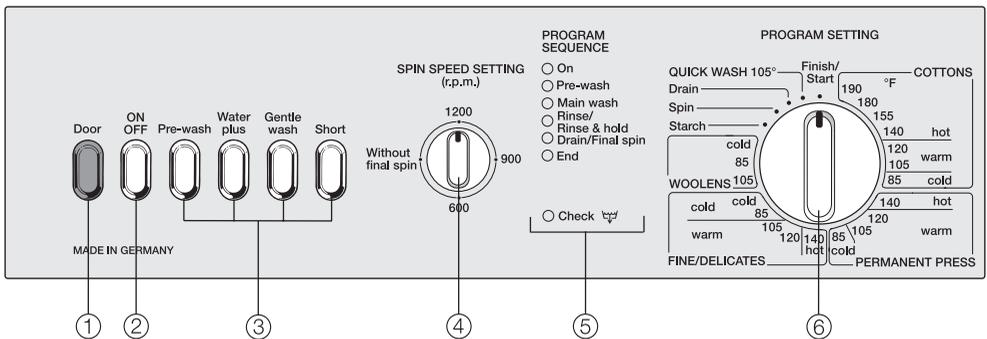


Detergent dispenser drawer

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; Turns the machine on and off or interrupts a program. The “On” lamp illuminates.
- ③ Pushbuttons for additional functions.
- ④ SPIN SPEED SELECTOR switch.
- ⑤ PROGRAM SEQUENCE indicators (LED indicator lamps).
- ⑥ PROGRAM SELECTOR

Important safety instructions

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

1. Read the instructions before using the appliance.
2. Do not wash materials that have been previously cleaned or soaked in gasoline, dry cleaning solvents, or other flammable or explosive substances. Do not add gasoline, dry cleaning solvents, or other flammable or explosive substances to the wash water. These substances give off vapors that could ignite or explode.
3. Do not allow children to play on or in the appliance. Close supervision is necessary when the appliance is used near children.
4. Before discarding an old appliance unplug the unit and remove the power cord. Also, remove the door to the wash compartment to prevent it from becoming a hazard.
5. Do not reach into the appliance if the drum is moving.
6. This appliance should never be installed or stored outdoors.
7. Do not tamper with the controls.
8. Do not repair or replace any part of the appliance, or attempt any servicing unless specifically recommended in these Operating instructions.
9. Do not add gasoline, dry-cleaning solvents, or other flammable or explosive 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 built up hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.

SAVE THESE INSTRUCTIONS

For installation and grounding instructions, refer to the Electrical Connection Section of this manual.

Help protect our environment

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

Disposal of the packing material

The transport and protective packing is mostly manufactured from the following recycled or recyclable materials:

- corrugated paper/cardboard
- - CFC free polystyrene
- polystyrene 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 appliance

Old appliances contain materials that can be recycled. Please contact your local recycling center about the possibility of recycling these materials.

Before discarding an old appliance, unplug it from the outlet and cut off its power cord and remove any doors to prevent it from becoming a hazard.

Before using the first time

Since all Miele washing machines are tested for proper operation before leaving the factory, some residual water may be left inside.

As this water is not visible, we recommend you perform the following steps before you use your new machine for the first time, or if it has been in storage for more than a few weeks between uses.

- Do not put any laundry in the machine.
- Add a small amount of detergent to compartment .
- Turn "On" the machine.
- Press the "Short" button.
- Turn the dial to "COTTONS 140°F".

The machine will start to run and will flush out any residual water that may be inside.

The key to good wash results is finding the correct combination of detergent and temperature, and then allowing the washing machine to optimize their usage through its programming. Program lengths can vary for this reason.

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.

With the "Hydromatic" system, the drum can revolve at various speeds. Faster and slower agitation speeds along with pauses for soaking, combine to ensure excellent wash results.

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

Operational noise, no matter what program is selected, is minimized through the use of an accurately balanced drum and special sound insulation.

Economy

To conserve energy, remember the following tips:

- The automatic load control feature will adjust the water level for loads up to 11 lbs (5kg). Washing with the maximum load specified for each program water and energy saves.
- Use the correct amount of detergent required for the water hardness in your area.
- Miele recommends the use of powder detergents, as their characteristics allow them to perform better in this machine than liquid detergents.

If the wash is not heavily stained, select a lower temperature than indicated on the wash care label.

Before using 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.

See “Installation instructions”.

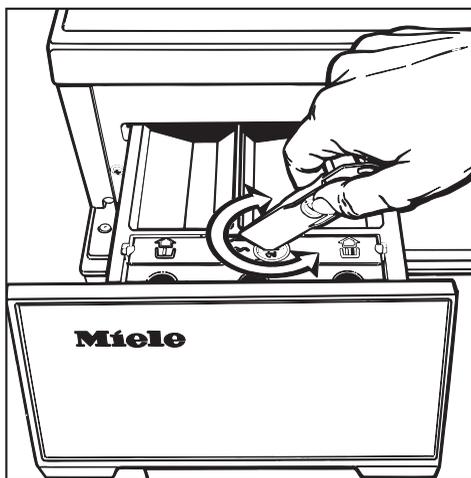
Make sure the shipping struts on the rear of the washer have been removed.

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.
- Place 1/4 of the recommended amount of detergent in compartment **III**.
- Turn on the machine.
- Turn the program selector to the “COTTONS 140°F” program.
- Press the “Short” button.
- Any residues will be flushed out during the course of the program.

Water hardness reminder.

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



- Turn the dial to the required setting. Use the tool supplied with the machine. It is located behind the detergent drawer door, on the left hand side (see “Cleaning and Care”).

Water hardness ranges

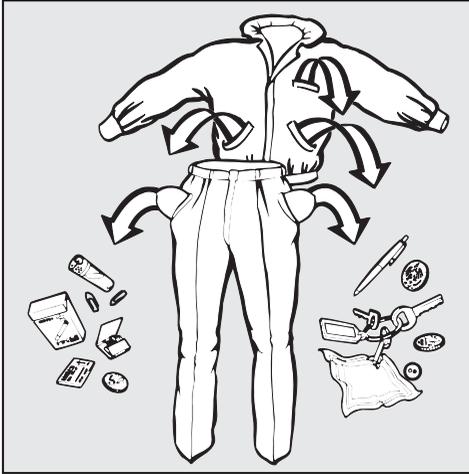
(in grains per gallon and PPM calcium carbonate)			
1	2	3	4
soft water	medium water	hard water	very hard water
less than 7 grains per gallon	8-14 grains per gallon	15-22 grains per gallon	over 22 grains per gallon
less than 125 PPM calcium carbonate	130-250 PPM calcium carbonate	260-390 PPM calcium carbonate	over 400 PPM calcium carbonate

Preparing the Laundry

The headings numbered (1, 2, 3, ...) show the operating sequence and can be used as a brief guide.

Before washing

1 Prepare the wash load



- Empty all pockets.

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

- Sort the laundry

Only wash items that are labeled machine washable by the manufacturer. Some garments will have a Fabric care label in the collar or side seam. If so, sort the laundry by care label and color.

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

Delicate fabrics should be washed separately using the FINE/DELICATES program.

Only wash wool or wool mixtures if they are labeled machine washable on the textile care label.

- Pre-treat the laundry

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

Do not use detergents containing solvents in the machine.

- For curtains: Remove any lead weights or strips.

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

Preparing the Laundry

2 Press the “Door” button to open the door

3 Load the machine

Unfold the laundry and place it in the drum. For best results we recommend washing mixed loads consisting of both large and small items. This improves washing effectiveness and helps distribute the load evenly to keep the machine stable and reduce noise during spinning.

Recommended load sizes are noted below:

COTTONS

13 lbs (6.0 kg)

PERMANENT PRESS

6.5 lbs (3.0 kg)

FINE/DELICATES

3.5 lbs (1.5 kg)

WOOLENS

4.5 lbs (2.0 kg)

FINE RINSE

6.5 lbs (3.0 kg)

4 Close the machine door

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

5 Add detergent

See the “Adding detergent” section for details.

To start a program

1 Turn the program selector to Finish / Start

2 Press the “ON/OFF” button

3 Press any desired “Additional function” pushbuttons

(See the “Delay start” section if this feature is desired.)

4 Select the final spin speed

5 Turn the program selector to the desired program

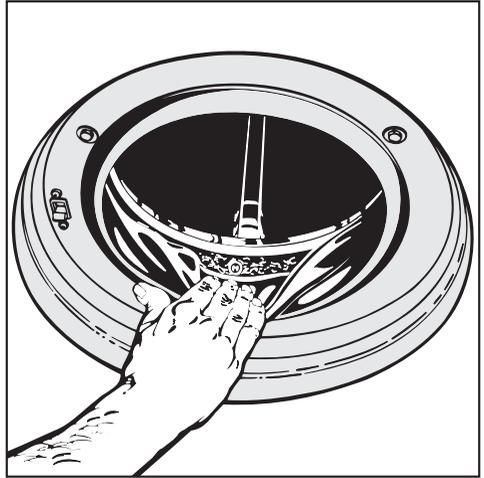
The program selector can be turned to the left or the right.

After washing

- 1 Turn the program selector switch to “Finish/Start”
- 2 Press the “ON/OFF” button.
- 3 Press the “Door” button.

Do not attempt to 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.

- 4 Remove the wash.



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

Make sure the drum is empty by manually turning it completely around. Items inadvertently left in the machine may be damaged (e.g. shrink) or cause discoloration of other laundry during the next wash cycle.

- 6 Close the drum door.

Textile care symbols

Some clothing manufacturers have started placing textile care symbols on their products. The following is an explanation of some of these symbols.

Washing (°C)

 COTTONS

 PERMANENT PRESS

 FINE / DELICATES, WOOLENS

The significance of the bar beneath the wash tub is:

no bar normal (maximum) agitation;
 used in the Cottons program

bar reduced (medium) agitation;
 used in the Permanent Press, Gentle wash, or Delicates program.

broken bar minimal agitation;
 used in the Woolens program



Hand wash



do not wash



dry clean only



do not dry clean



suitable for chlorine bleaching



not suitable for chlorine bleaching

Tumble dry



at normal temperature



at low temperature



do not tumble dry

Ironing



hot iron



medium hot iron



cool iron



do not iron

Powder detergent should be added to compartment  (main wash) and compartment  (pre wash, if selected) at the beginning of each wash cycle. Due to the design of the Miele 1/3 to 1/2 the manufacturer's recommended amount of detergent is plenty for excellent wash results.

Do not use chlorine bleach!

Water is taken in through compartment  during the main wash. If your water is extremely hard (above 400 ppm calcium carbonate) and compartment  is too small for the amount of detergent needed, a service technician can re-program the machine so that water and detergent can also enter through compartment .

For small loads:

- Proportionately reduce the amount of detergent used for each small load.
- Check the wash results and the condition of the laundry.
- If the laundry is not clean or if it is gray or hard to the touch, add slightly more detergent the next time you use the machine.

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

...too little detergent can result in:

- gray laundry
- grease/stains not being removed
- lime deposits on the heating elements and drum (in hard water areas).

...too much detergent can result in:

- excessive foam
- insufficient 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:

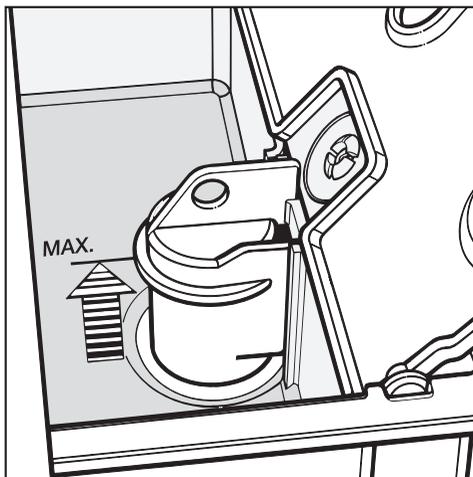
- add the amount of detergent necessary for a soft water area.
- Add the specified amount of water softener according to the manufacturer's instructions.

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

Adding fabric softener or starch

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 dryer with softener sheets. To automatically dispense fabric softener:

- Open the lid of compartment .



- Pour an amount of liquid fabric softener into compartment  according to the manufacturer's instructions. Do not exceed the maximum fill level marked inside the compartment, as the excess will prematurely activate the siphon and be wasted.
- Close the compartment lid and push in the dispenser drawer.

The softener will automatically be dispensed during the final rinse cycle.

At the end of the program a small amount of water will normally remain in compartment . A high water level in this compartment, however, may indicate that the dispenser drawer was opened, or the siphon is clogged. In this case, the siphon tube should be cleaned (see "Cleaning and Care").

Starch

Starching can be performed separately (see below) or can be included in any wash program as part of the final rinse.

Never mix fabric softener and starch together in compartment . This can clog the dispenser.

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).

Using the "Starch" program to dispense liquid starch.

- Prepare the starch solution according to the manufacturer's instructions and pour it 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.

SPIN SPEED SETTING (r.p.m.)

Without final spin

PROGRAM SEQUENCE

- On
- Pre-wash
- Main wash
- Rinse/
- Rinse & hold
- Drain/Final spin
- End

Check

PROGRAM SETTING

MADE IN GERMANY

COTTONS

For cotton fabrics without special finishes.

- 1) Water levels used:
wash - low
rinse - low
- 2) Rinse cycles used:
Normal program - four
Short program - four

X = additional options

Temperature: (guidelines)
 85 - 105°F - dark colored items.
 105 - 120°F - light colored items.
 140 - 170°F - exclusively white items.
 max. load : 11 lbs (5 kg)
 max. spin: 1200 rpm
 Normal run time: 1 h 55 min (app.)
 Short run time: 1 h 20 min (app.)

SPIN SPEED SETTING (r.p.m.)

Without final spin

PROGRAM SEQUENCE

- On
- Pre-wash
- Main wash
- Rinse/
- Rinse & hold
- Drain/Final spin
- End

Check

PROGRAM SETTING

MADE IN GERMANY

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 program - three
Short program - three

X = additional options

Temperature: (guidelines)
 85°F - dark fabrics which are a blend or 100% synthetic fabrics.
 105 - 120°F - light colored cotton or synthetic items.
 140°F - white polyester/cotton items.
 max load: 4.5 lbs (2 kg)
 max spin: 900 rpm
 Normal run time: 1 h 11 min (app.)
 Short run time: 50 min (app.)

Programs

MADE IN GERMANY

SPIN SPEED SETTING (r.p.m.)

Without final spin

PROGRAM SEQUENCE

- On
- Pre-wash
- Main wash
- Rinse/
- Rinse & hold
- Drain/Final spin
- End
- Check ㉞

PROGRAM SETTING

QUICK WASH 105° Finish/Start 190 °F COTTONS

Drain 180

Spin 155

Starch 140 hot

120 warm

85 cold

WOOLENS 105

cold cold 85 140 hot

warm 105 120 140 hot

85 cold 105 warm

FINE/DELICATES PERMANENT PRESS

FINE / DELICATES

For synthetics, machine washable silks, lace or crocheted (non-woolen) items, curtains and knit garments.

- 1) Water level used:
wash - high
rinse - high
- 2) Rinse cycles used:
Normal program - three
Short program - three

X = additional options

Temperature: (guidelines)
cold - 85°F - dark colored silks and all synthetic items (lingerie).
105 - 120°F - light colored silks and lace tablecloths.
140°F - white cotton lace and crocheted items.

max load: 2 lbs (1 kg)
max spin: 600 rpm
Normal run time: 59 min (app.)
Short run time: 42 min (app.)

MADE IN GERMANY

SPIN SPEED SETTING (r.p.m.)

Without final spin

PROGRAM SEQUENCE

- On
- Pre-wash
- Main wash
- Rinse/
- Rinse & hold
- Drain/Final spin
- End
- Check ㉞

PROGRAM SETTING

QUICK WASH 105° Finish/Start 190 °F COTTONS

Drain 180

Spin 155

Starch 140 hot

120 warm

85 cold

WOOLENS 105

cold cold 85 140 hot

warm 105 120 140 hot

85 cold 105 warm

FINE/DELICATES PERMANENT PRESS

WOOLENS

For all machine washable woollens and wool blends.
Also suitable for silks.

- 1) Water level used:
wash - low
rinse - high
- 2) Rinse cycles used:
Normal program - three

No additional options can be selected in this program.
Reduced agitation is also used.

Temperature: (guidelines)
cold - 105°F - for all colors of wool and silk.

max load: 2 lbs (1 kg)
max spin: 900 rpm
Runtime: 48 min (app.)

Additional options

By selecting one or more pushbutton functions, basic programs 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 “FINE / DELICATES” programs.
- Uses cold water only. This is important for the removal of protein stains.
- No rinsing, spinning or water heating are performed in this cycle.
- Add the required amount of detergent to compartment **U**.

“Water plus”

Slightly increases the water level, best used;

- For particularly delicate fabrics in addition to the “Gentle wash” option.
- In hard water areas, if additional water is required for dispensing the detergent.
- In soft water areas to enhance washing and rinsing results.
- For people who are skin sensitive to detergents.

The “Water plus” option is available in the following programs:

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

“Gentle wash”

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

Drum movement is reduced by half.

Available in the “COTTONS”, “PERMANENT PRESS” and “FINE / DELICATES” programs.

“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

Setting the selector switch to the highest setting saves energy if the laundry is to be dried in a tumble dryer. The spin speed in the “PERMANENT PRESS” and “WOOLENS” program is automatically limited to 900 rpm, and in the “FINE / DELICATES” program to 600 rpm.

“Without final spin”

If this option is selected, the laundry will remain suspended in water at the end of the program. This will help reduce creasing when immediate unloading of the drum is not possible.

To drain the water and complete the cycle, turn the spin speed selector from “Without final spin” to the desired spin speed. If spinning is not desired, turn the program selector to “Drain”.

Changing the program sequence

To cancel a program:

- Turn the Program Selector to the “Finish/Start” position.

To interrupt a program:

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

To change an incorrectly selected program:

- Turn the Program Selector to “Finish/Start”. When only the “On” LED is lit, a new program can be selected.

To change a program when the Child Safety Feature has been set, see “Programmable functions”.

During operation, it is possible to:

- manually omit one or more program stages

or

- manually repeat one or more program stages.

To omit a program stage:

- Turn the Program Selector to “Finish/Start”.

As soon as the program sequence indicator lamp for the stage you wish stops flashing:

- turn the Program Selector to the desired program.

To repeat a program stage:

a program stage must end before it can be repeated:

- Turn the Program Selector to “Finish/Start”.

When only the “On” LED is illuminated:

- Re-select the program.
- After approx. 5 seconds, turn the Program Selector back to “Finish/Start”.

Once the sequence indicator lamp for the stage you wish to repeat starts flashing:

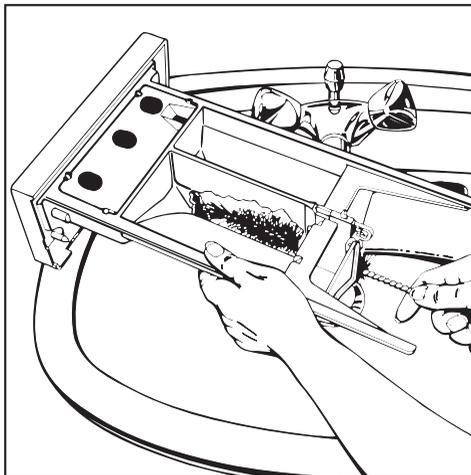
turn the Program Selector to the desired program within 3 seconds.

Cleaning and care

To clean the washing machine:

- Clean the casing using a mild non-abrasive detergent or soap and water, and wipe dry with a soft cloth.
- Clean the control panel with a damp cloth.
- If necessary, the drum can be cleaned using a stainless steel cleaner according to the manufacturer's instructions. A stainless steel cleaner specially formulated for use in washing machines is available from the Miele Technical Service Department.

Do not use abrasive cleaners or solvents.

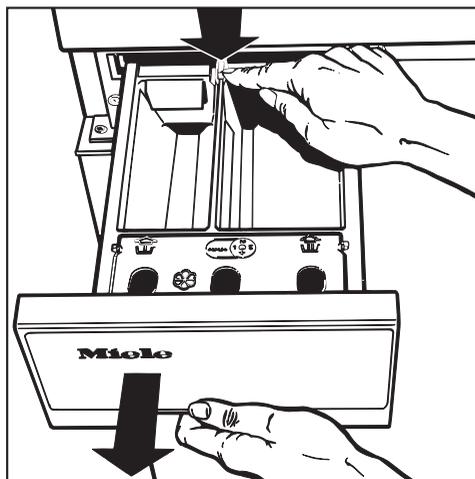


- Clean the dispenser compartments and the fabric softener duct.

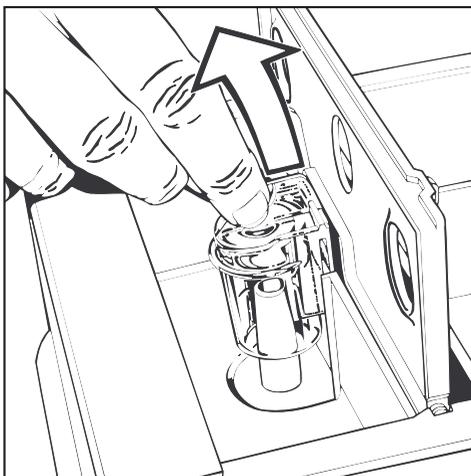
Cleaning the detergent drawer

Should the detergent drawer become clogged or dirty, it can be cleaned as follows:

- Pull the drawer out until it stops.



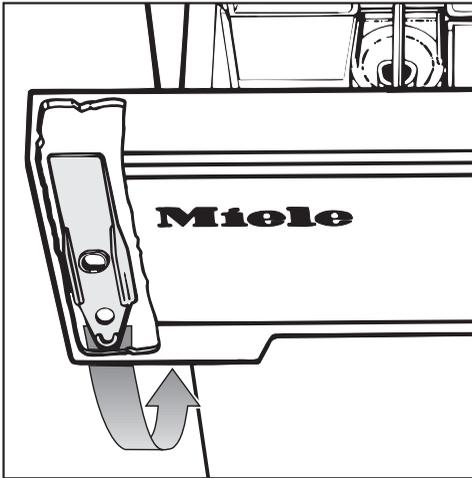
- Press down the red release lever and pull the drawer out of the machine.



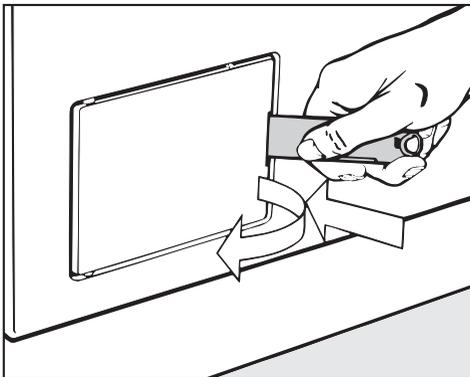
- Remove the siphon tube from compartment  and rinse in warm water.

Cleaning the drain pump and lint trap

Occasionally small objects, (buttons, coins, etc.), may find their way into the lint trap. If the machine does not drain completely, the lint trap should be checked to ensure that it is free of foreign objects.

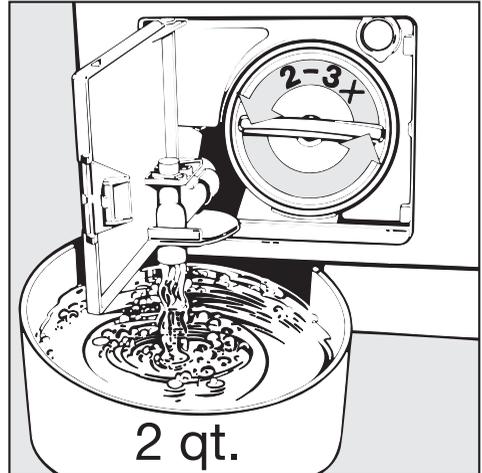


To clean the lint trap, remove the tool from behind the detergent dispenser drawer.



- Open the lint trap door.

- Place a 2 quart (2l) capacity container underneath the drain tube.



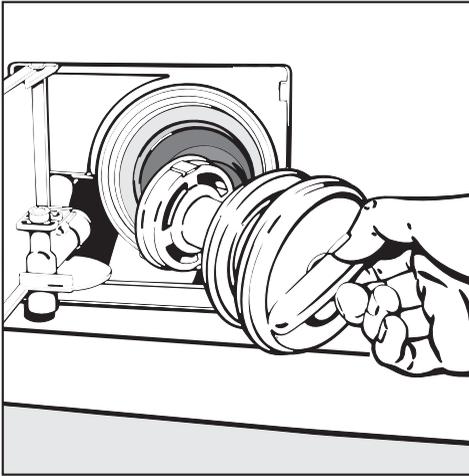
- Turn the lint trap lid counterclockwise 2 - 3 times. Do **not** remove it. Approx. 2 quarts (2 l) of water will drain out of the hose.

If the main drain hose is clogged, more water will be retained in the machine (**max. 6.5 gal/25l**). In this case, tighten the lint trap lid and empty the dish before repeating the procedure as often as necessary.

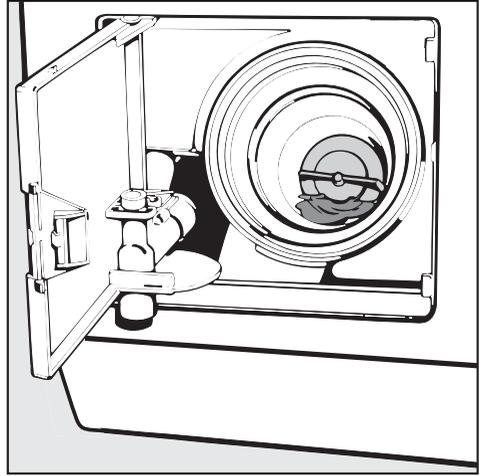
Caution: If laundry has been washed at a high temperature, the water draining out of the machine will still be hot! Stop and allow it to cool before proceeding.

Cleaning and care

- Once the flow of water stops, remove the lint trap and clean it.



- Remove any foreign objects (e.g. buttons, coins, etc.) or lint.
- Turn the drain pump impeller (in the back of the chamber) by hand to check that it rotates freely.



- Clean the inside of the lint trap housing.

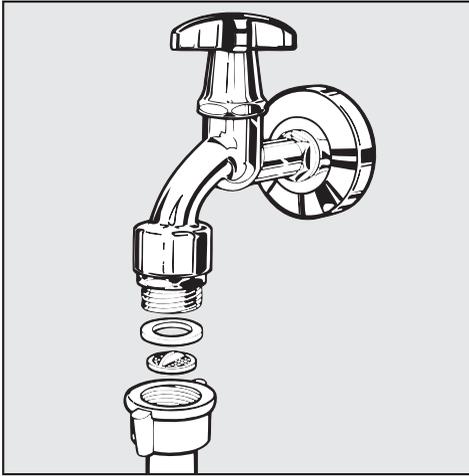
Remove any detergent deposits or foreign objects from the thread of the filter housing and filter unit before replacing the lint trap.

Cleaning the water inlet filters.

The washing machine has two water inlet filters to protect each inlet valve.

To clean the filter in the inlet hose:

- Turn off 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.



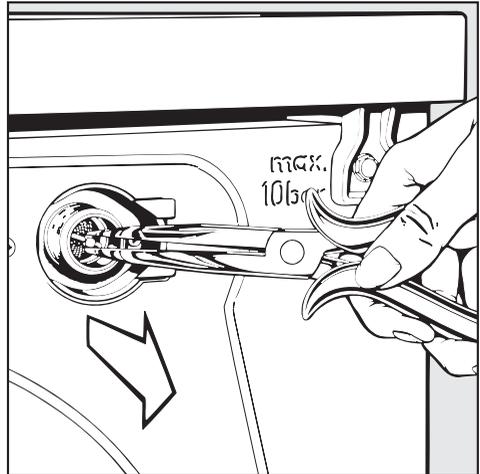
- Using needle nose pliers, grasp the plastic filter and pull it out of the hose connector. Clean the filter under running water and carefully remove any large particles.
- Replace the filter and seal and reconnect the hose. Slowly turn on the valve and check for leaks.

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 cut.

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.



- Using needle nose pliers, 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.

Problem solving guide

Any work done 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 result in personal injury and damage to the machine.

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

A selected program does not begin

The “On” indicator does not light

- 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 is on, a program has been selected, but the “Pre-wash” or “Main wash” indicators do not light

The Program Selector was not at the „Finish/Start“ position when the program was selected. The following selection sequence is important:

1. Turn the Program Selector to “Finish/Start”.
2. Turn the machine “On”.
3. Select a program.

Check warning lamp flashes

Drainage fault:

- Check if the lint trap is clogged. Clean the trap and pump impeller (see „Cleaning and Care“).
- Check whether the drain hose is kinked or clogged.

The warning lamp will go out when the Program Selector is turned to the „Finish/Start“ position.

The „Finish“ indicator is on, but the laundry in the machine has not been washed

The water valve is not open:

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

The water intake system is blocked:

- The valve is not fully open.
- The inlet hose is kinked or clogged.
- The filters in the inlet hose are clogged (see „Cleaning and Care“).

The water pressure is too low:

- Check if the water flow through the supply valve is at least 1 gallon (3.8l) in 15 seconds.

If too little water is taken in during the next program, the water pressure may be too low. If the pressure is adequate, there may be a machine fault. In this case, call the Miele Technical Service Department.

The „Pre-wash“ indicator flashes

- Start the program again.

If the indicator still flashes, call the Miele Technical Service Department.

The „Main wash“ indicator flashes during, or after the end of a program

If this occurs again during the next program, 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 (see „Cleaning and Care“).

Large amounts of unused detergent remain in the dispenser drawer

The water supply pressure is too low.

- Clean the filters (see „Cleaning and Care“).
- Select the „Water plus“ function 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 it (see „Cleaning and Care“).

Problem solving guide

Excessive build-up of foam

To avoid this problem please note:

- Use only powder detergents, and carefully follow the manufacturer's dosage recommendations. If foaming still occurs, cut back to 1/2 of the recommended dosage.
- 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 from the machine. The machine can be 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 on fabrics

Normal, everyday wear of certain fabrics causes pilling to occur. The „Gentle wash“ function should be selected when washing these fabrics, or use a program with a higher water level and reduced agitation to decrease the risk of further pilling.

Gray, greasy particles cling to washed laundry

The wash load was heavily soiled with greasy substances such as cosmetics 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 140°F program with detergent, but without a load, to clean the machine.

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.

- To remove such stains, use a general purpose powder detergent which contains oxygenated bleach or enzymes, or pre-treat the laundry.

The machine shakes during the spin cycle

If this is a new installation, check to see that the shipping 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 (see „Installation instructions“).

Weak floorboards can also lead to excessive noise and shaking during the spin cycle (see „Installation instructions“).

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 will be repeated until the time allocated to spinning has expired. To reduce the chances of this occurring, wash mixed loads consisting of large and small items.

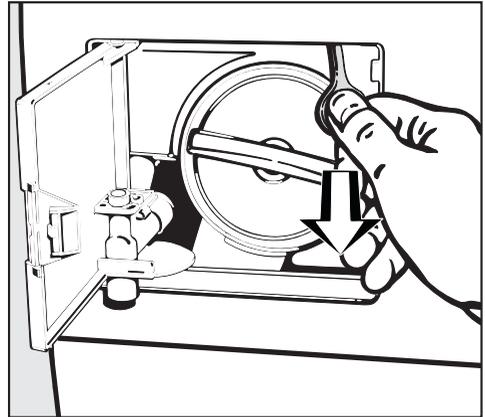
- The lint trap may be clogged. Clean the filter and pump (see „Cleaning and Care“).

Opening the drum door during a power failure

To prevent water from spilling on to the floor, make certain the machine is drained before opening the door.

- Turn off the washing machine.
- Open the drain pump access panel and drain off any water (see „Cleaning and Care“).

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



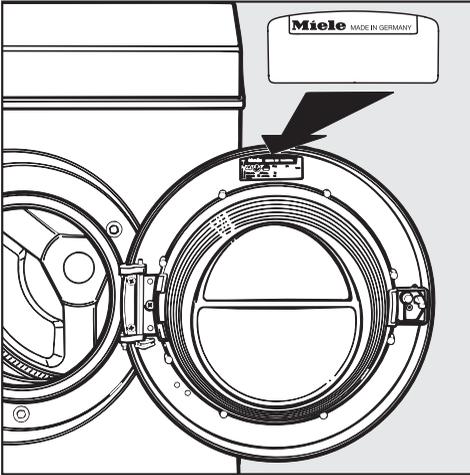
- Pull down the ring in the upper right corner of the access area, and the door will open.

After sales service

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

- The nearest Miele Technical Service Department (see back cover).

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



INSTALLATION INSTRUCTIONS

Installation surface

Experience has shown that a concrete floor is the most suitable surface for a washing machine. Concrete floors are 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 must be on a wooden joist floor, we recommend the use of a plywood base at least 1 1/4" thick by 23 5/8" X 23 5/8" wide (30mm X 600mm X 600mm). 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 greatest.
- If the machine is installed on a raised platform, it should be secured using retaining clips (available from the Miele Technical Service Dept.). If installed on a masonry or concrete base, the base should be provided with a rim 1/2" to 3/4" (12-20 mm) high.

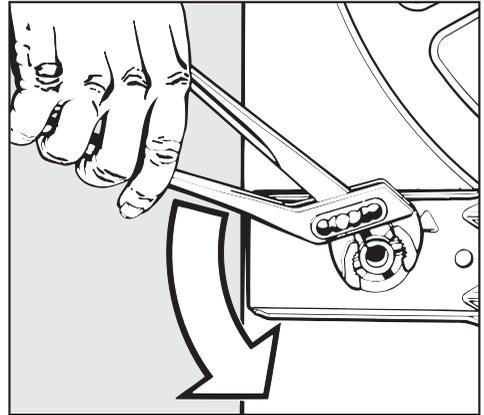
Installation

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

Please note:

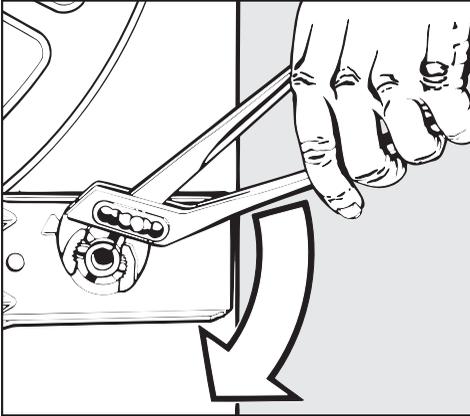
- Do not lift the machine by the drum door.
- Ensure that the machine feet and the floor are dry to prevent slippage during the spin cycle.

Removing the shipping struts

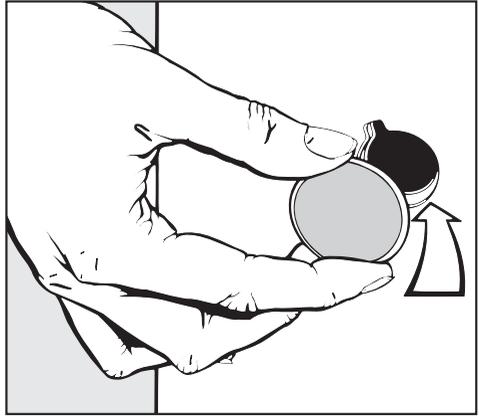


- Turn the left shipping strut 90° counterclockwise.

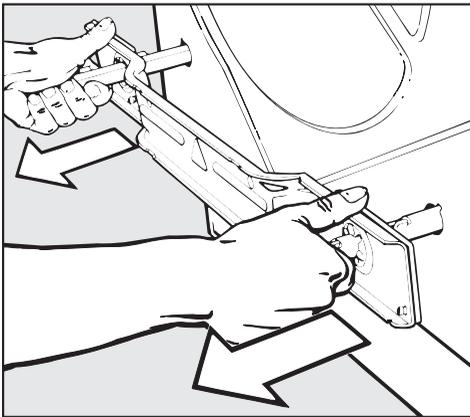
INSTALLATION INSTRUCTIONS



- Turn the right shipping strut 90° clockwise.



- Plug the two holes with the plastic caps provided.



- Withdraw the two struts together with the support plate.

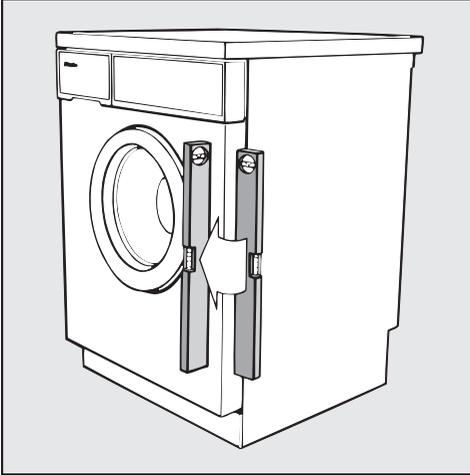
Movement of the machine without the shipping struts in place should be kept to a minimum.

The shipping struts should be stored in a safe place for future use. They must be reinstalled before the machine is moved. Reinstallation can be performed by reversing the above procedure.

INSTALLATION INSTRUCTIONS

Leveling the machine

To ensure smooth operation, it is **essential** that the machine is level.



Failure to level the machine can result in the machine “banging” in the spin cycle or “walking” across the floor during operation. Energy and water use will also increase.

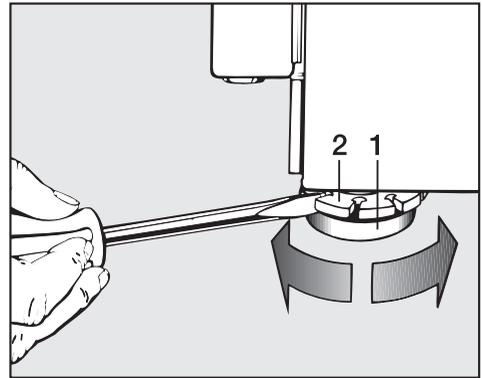
Adjust the four leveling feet as follows:

- Tip the machine slightly and place a support, such as a block of wood, underneath it.

BEWARE : The washing machine is heavier than it looks! When tipping the machine, be careful that it does not slip or slide along the floor. Take care not to injure yourself or damage any surrounding furniture.

- Unscrew each of the four feet as much as necessary by turning both the foot **1** as well as the locking ring **2** to the left using a screwdriver (see illustration).
- Remove the supports, stand the machine on its feet and check to see if it is level.

Repeat this procedure as often as necessary until the machine stands level.



- Once level, hold the foot **1** immobile using a wrench while turning the locking ring **2** to the right using a screwdriver. Turn each locking ring until it is tight against the bottom of the machine frame.

All four locking rings must be tight against the bottom of the machine. In addition, check to see that the feet were not inadvertently unscrewed while tightening the rings. Running a machine that is not level or whose feet are not tight may cause damage to both the machine and its surrounding area.

INSTALLATION INSTRUCTIONS

If a countertop is placed over the washer, at least a 1/4 gap must be left between the top of the machine and bottom of the countertop; and nothing should be within 1/2" of any other side of the washing machine.

Washer / Dryer Stack

This Miele washing machine can be installed as part of a washer dryer stack in combination with a Miele tumble dryer. The dryer can only be stacked on top of the washer and never vice versa.

For this purpose, a stacking kit is available from the Miele Technical Service department or your Miele dealer.

A washer and dryer should never be stacked without using the proper stacking kit. Doing so is extremely dangerous, as the dryer may vibrate off of the washing machine during use.

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 15-145 psi (1-10 bar). If the water pressure is greater than 145 psi (10 bar), a pressure reducer must be installed. If the water pressure is below 15 psi (1 bar), insufficient water may be available for a complete fill.

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

Connection to the drain system.

The 5 ft. (1.5m) 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. To a stand pipe:** place the drain hose into a 1 1/2" (38 mm) stand pipe and firmly secure it.
- 3. To a floor drain:** The machine is equipped with an airgap/anti-siphoning system so that no minimum drain height is required.
 - The machine drains using a pump with a maximum delivery height of 4 ft. (1.2 m).
 - Make sure there are no kinks in the drain hose.
 - If desired, the drain hose may be extended to 15 ft. (4.5 m) maximum.

Electrical connection

GROUNDING INSTRUCTIONS

This appliance must be grounded.

In the event of a malfunction or breakdown, grounding will reduce the risk of electric 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 local codes and ordinances.

Warning

Improper connection of the equipment-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 the proper outlet installed by a qualified electrician.

ELECTRICAL INSTRUCTIONS

This installation should be done by an experienced and qualified technician, in accordance with local codes and regulations.

The washing machine is supplied with a 5 ft long, 4 wire cord, ending in a NEMA 14-30 P plug, ready for connection to a 120 V/240V (208 V) 60 Hz, AC power supply.

The proper outlet can be purchased from any electrical supply dealer or from the Miele Technical Service Dept. Ask for a NEMA 14-30 R receptacle.

“EASY INSTALLATION KIT”

If you don't have a dedicated 4 wire, 120 V/240 V (208 V), 15 Amp line for this appliance, but you have a 3 or 4 wire, 240 V (208 V), 30 Amp line, you can use an optional “Easy Installation Kit”, which will allow you to connect this appliance to that line.

For more information on the electrical connection and the “Easy Installation Kit” please contact

- the nearest Miele Technical Service Department.

The following additional functions 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” program.

For soft water areas (up to 135 ppm calcium carbonate).

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

C Program 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 Program Selector is moved to a different setting or an additional function is selected, after the first three minutes, the “On” lamp will flash, notifying you that the Child Safety Feature has been activated. The program will, however continue uninterrupted. This prevents children from inadvertently changing or stopping a wash program by playing with the dials.

If the Program Selector is turned to its original position, the “On” lamp will stop flashing.

To change a program once the Program lock is activated:

- Turn the Program Selector to “Finish/Start”.

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

The three functions described above can be programmed by the owner using the steps shown on the following pages.

Programmable functions

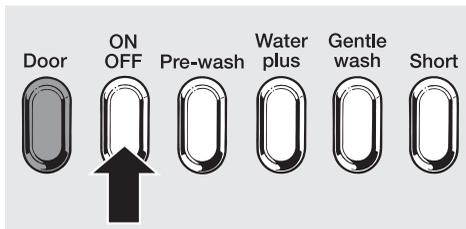
To activate the additional functions:

Turn off the machine, close the door, and release all pushbuttons. Set the Program Selector to "Finish/Start".

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

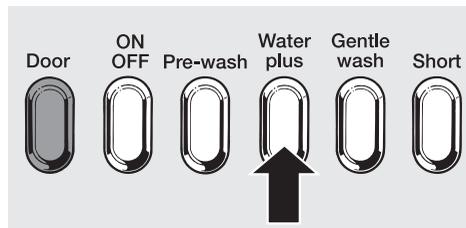
Step 1:

- Press the "ON/OFF" button

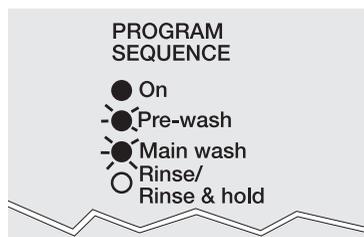


Step 2:

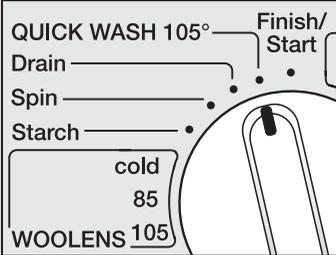
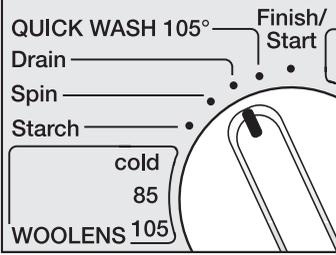
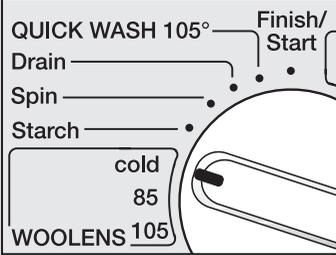
- Press the "Water plus" button 4 times (i.e. press in and out twice)



The "On" LED will light up and the "Pre-wash" and "Main-wash" lights will flash.



Programmable functions

<p>Step 3:</p> <ul style="list-style-type: none"> ■ Set the Program selector to “Quickwash”. ■ Set the Program selector to “Drain”. ■ Set the Program selector to “Woolens - cold” 		<p>additional function:</p> <ul style="list-style-type: none"> Ⓐ High water level (Only in “Cottons” rinse cycles)
		<p>additional function:</p> <ul style="list-style-type: none"> Ⓑ 5th rinse in “Cottons” program
		<p>additional function:</p> <ul style="list-style-type: none"> Ⓒ Program Lock (Child safety feature)
<p>Step 4:</p>	<ul style="list-style-type: none"> ■ Press the “Water plus” button twice, (i.e. in and out once) 	
<p>Then:</p>	<p>The “Rinse/Rinse & hold” LED will light up</p>	
<p>Step 5:</p>	<ul style="list-style-type: none"> ■ To store the function: press the “ON/OFF” button 	

Programmable functions

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

- If the Rinse/Rinse & hold indicator does not light up - no function was activated
- If the Rinse/Rinse & hold indicator lights up - proceed as in “Deleting the additional functions”.

Exception: the Rinse/Rinse & hold indicator will light up if the Program Selector is set to “COTTONS 190°F”.

Deleting the additional functions:

Follow the same instructions given under “To activate the additional functions”, steps 1 to 4.

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

- Press “ON/OFF”.

The additional function has now been deleted.

1.1 Dimensions

Height	33 ¹ / ₄ - 33 ⁷ / ₈ " (845 mm + 860mm)	
Width	23 ¹ / ₂ "	(600 mm)
Depth (including distance from wall)	24"	(610 mm)
Weight	220 lbs.	(100 kg)
Capacity	11 lbs.	(5 kgs.) dry laundry
Rated load	2.8 kW	
Circuit breaker	15 Amp	
Water pressure	15 - 145 p.s.i	(1 - 10 bar)
Maximun drain height	4.0 ft.	(1.2 m)
Drain hose diameter	1" I.D.	(25 mm)
Maximum drain length	15 ft.	(4.5 m)
Power supply	120 V/240 V (208V)	single phase, 60 Hz
Max floor load	(360 lbs.)	1600 Newton

Technical data

1.2 Specifications

Cold water hose with 3/4" female hose thread connection

Drainage is via a 5 ft. long (1.5m) , 1 1/4 " (32mm) OD hose.

This washing machine is supplied with a 5 foot long (1.5m) cable with plug for connection to a 120/240 V (208 V) 60 Hz (3-pole-4 wire grounding) power supply.

Power consumption: (Normal cycles)

"COTTONS" without prewash 190°F 1.1 kWh

Water consumption:

"COTTONS" without prewash 17 US gallons (65 l)

Program duration:

"COTTONS" without prewash 190°F approx. 115 minutes

Spin speed:

from 600 to 1200 rpm

Detergent dispenser:

Automatic for:

Prewash
Mainwash
Fabric softener or starch

Temperature control:

variable from cold to 190°F



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