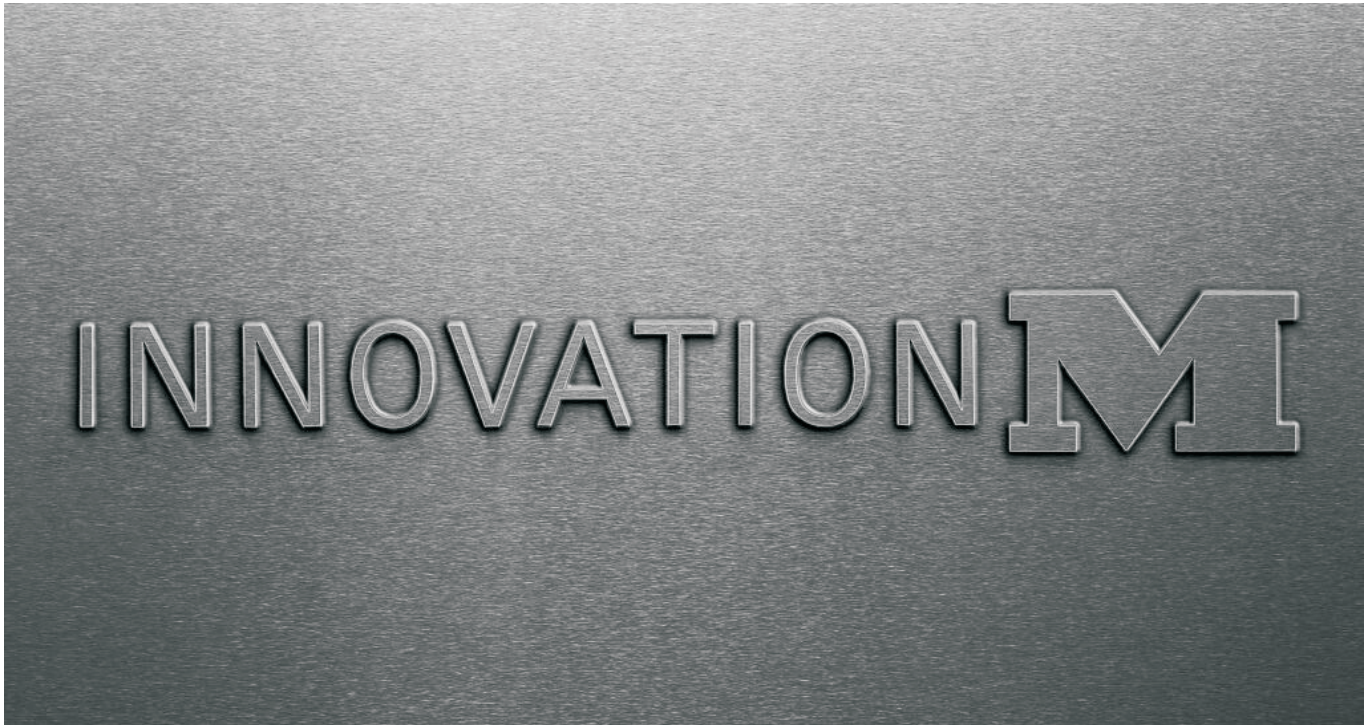# Míele

PROFESSIONAL

Operating Instructions

INNOVATION M

Washer
PW 6101
PW 6131
PW 6161
PW 6201

To prevent accidents
and machine damage
read these instructions
before installing or use.

USA CDN

M.-Nr. 06 578 520

Contents

Contents

IMPORTANT SAFETY INSTRUCTIONS

⚠️ **WARNING**
Read all instructions before installation or use to prevent injury and machine damage.

This washer-extractor is only intended for laundry which has not come in contact with flammable substances.

Dry cleaning solvents **must not** be used in this machine. Such solvents could cause a fire or explosion.

This appliance conforms to all uniform safety codes and regulations. The manufacturer cannot be held responsible for damage or injury caused by improper use of this appliance.

All personnel working with this machine must be fully trained in its use and safety.

SAVE THESE INSTRUCTIONS AND REVIEW THEM PERIODICALLY

Correct usage of the washer

Do not wash articles that have been previously cleaned, washed, soaked or spotted with gasoline, dry-cleaning solvents, organic oils or other flammable substances. These articles give off vapors that could ignite or explode. Do not add these items to the wash load.

CAUTION: Fire hazard!
Do not store or use gasoline, gasoline-based substances or any easily flammable materials near the machine. Do not use the top of the washer as a storage area.

Do not store any chemicals (liquid detergents, wash aids) on the top of the washer. The chemicals could damage the surface. Spilled chemicals must be immediately washed off with a wet sponge.

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, turn on all hot water faucets and let the water flow from each for several minutes before using the washing machine. This will release any built-up hydrogen gas. Do not smoke or use an open flame during this time, the gas is flammable.

Electrical Safety

■ GROUNDING INSTRUCTIONS
This appliance must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current.

■ Repairs to electrical or steam appliances should only be carried out by a Miele authorized technician in accordance with local and national safety regulations. Unauthorized repairs could cause injury or machine damage. The manufacturer cannot be held responsible for unauthorized work.

■ Do not repair of replace any part of the appliance or attempt any servicing unless specifically recommended in these operating instructions. Contact Miele's Technical Service Department for assistance.

■ Do not damage, remove, or bypass any of the safety features and controls of the washer.

■ Do not operate a machine with an electrical fault until repaired.

■ Only use the washer if all panels are properly in place.

■ The washer is only completely isolated from the electrical supply when the circuit breaker has been tripped or the power main shut off.

■ Do not use force to open the washer drum door. The door handle is equipped with an extra safety mechanism to guarantee that the door remains locked.

■ Faulty components must only be replaced with genuine Miele spare parts to guarantee the safe operation of this machine.

IMPORTANT SAFETY INSTRUCTIONS

Use

Do not let children play in, on or near the washer. Do not let them play with the controls or operate the unit. Close supervision of children is necessary when the appliance is used near children.

The drum door glass will be hot when washing at very high temperatures. Do not touch the glass.

Do not reach into the appliance if the drum is moving.

Do not drink washer water! Harmful residues could be present.

Chlorine or agents containing chlorine are corrosive and may cause permanent damage to components of the machine.

Always follow the instructions of the chemical manufacturer when using cleaning agents and special application chemicals. Only use such chemicals for the purpose and in the situation specified by the manufacturer. This will prevent the danger of adverse chemical reactions and material damage.
If in doubt, check with the manufacturer to be sure that the product is suitable for use in this machine.

Dyes, dye removers and descaling agents may only be used in this machine if the manufacturer states they are suitable for use in a washing machine. Always observe the manufacturer's instructions carefully.

Fabric softeners may be used with this machine. Follow the manufacturers instructions.

Do not use high pressure cleaners to hose down the washer.

Check the hoses regularly for leaks to prevent water damage.

Do not tamper with the controls.

Additional information

Disinfecting and cleaning agents often contain chlorides (salts) which can cause steel surfaces to rust. To protect the machine from rust damage, only use chloride free disinfecting and cleaning agents for washing/disinfecting and for cleaning the machine. If you are not sure about an agent contact Miele's Professional Division. If you accidentally spill an agent containing chloride on the machine it should be rinsed off with water and dried with a soft cloth.

The manufacturer of the washer does not take responsibility for the effect of the chemical on the laundry or the machine when a chemical cleaning agent is recommended on technical application grounds.

Keep the area around the machine clean and free of debris.

Before the appliance is removed for service or discarded, remove the door.

The interior of the machine should be cleaned periodically by a qualified service agent.

Using accessories

Only use genuine Miele accessories. If other parts are used, guarantee, performance and product liability claims may become void.

Ensure that any one operating this machine is familiar with these safety instructions.

SAVE THESE INSTRUCTIONS

① **Detergent compartments**

Pull the handle to open the flap.

② **Control panel**

③ **Emergency Stop button**

Pressing the red button turns the machine off.
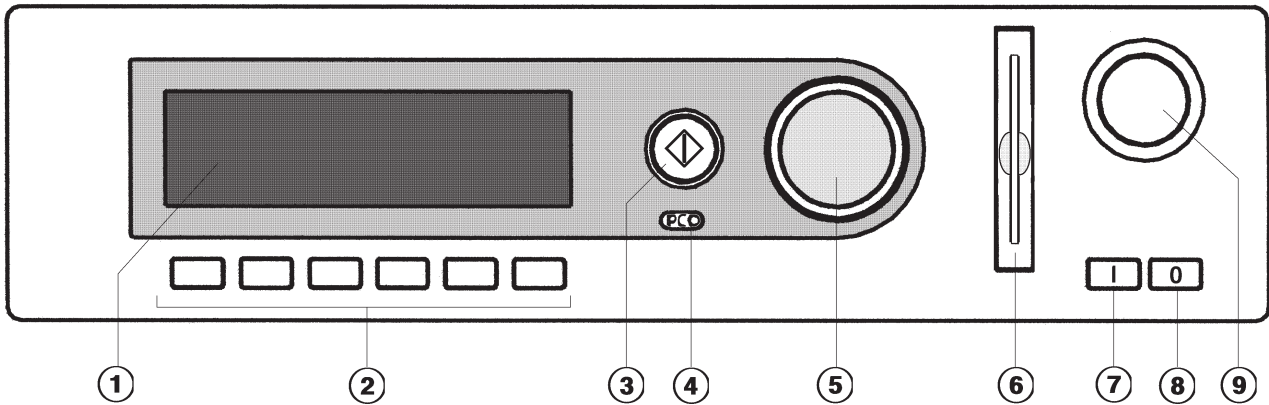
④ **Drum door**

⑤ **Door handle**

Pull the door handle to open the drum door. Do not use force.

The door handle is equipped with an extra safety mechanism to guarantee that the door remains locked.

Guide to the washer

Operating panel

① Display*

1	Hot Wash	194 °F
2	Cottons	140 °F
3	Cottons Intensive	140 °F

The display will go into standby mode 10 min. after a program is started. The display will fade. The circle illumination of the ◇ "Start" button lights up. By touching any operating button or the jog shuttle the display will switch back on (exception: power failure or emergency stop button used).

② Control keys

The control keys have different functions depending on the machine status. The functions are shown in the display above each button.

If programed to "Button allocation direct", the first 6 programs from the program list can be selected directly with the control keys 1 to 6.

③ ◇ Start button

The circle illumination flashes if a selected program can be started. To start a program press the "Start" button. Once a program has started the Start button can be pressed to show the original display.

* Contents in the display will vary with program offering.

④ Optical interface PC

The optical interface on the machine's control panel provides the connection point for data transfer between the machine's controls and a PC.

⑤ Jog shuttle

Turn the jog shuttle to display selections and input fields.
Press the jog shuttle to confirm display selections or changes.

⑥ Card reader

For card operation. Washing programs can be uploaded and downloaded for the machine on the program card. The programs on the card can be used to operate the washer.

⑦ I On button

Turns the machine on.

⑧ 0 Off button

Turns the machine off.

⑨ Emergency Stop button

Only use in case of an emergency.
Press the red button to turn the machine off. After clearing the danger, turn the button clockwise to unlock it.

Press ◇ "Start" again to continue the interrupted program.

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Control keys

■ Press once to activate the function, press again to deactivate the function.

🔧 Manual operation
(Used by Miele Service Technicians)
See the Programming manual.

▐▀⇄ Functions
Press this key to temporarily select another language and/or access the operator level.

↩ Back to the previous display

+ ⊔ Block plus
The respective program block, e.g. prewash, will be added to the program.

〰 Starch Stop
Press this button to stop the program and allow starch to be added to the laundry.

⊘ Spin Stop
Press this button if a final spin is not required after the final rinse.

🕐 Delay start
Press this key to select a start time in the display.

i Information
To show program information

▽ Stop/Finish
Press to stop a selected program or to end an already stopped program.

🜄 Drain

✛✛ Skip
Cycles of a program in progress can be skipped or repeated.

▼/▲ Following or previous line

💾 Save
See the Programming manual.

🔒 Program locked
If a program is locked it cannot be stopped or ended with the Off-button after 1 minute.
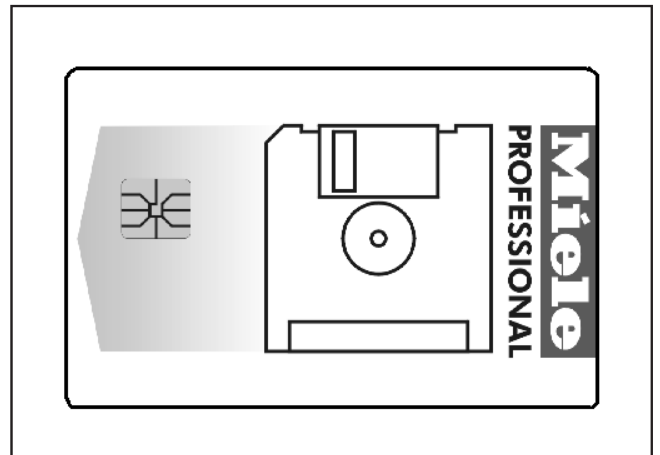
🔓 Program unlocked

⌷ Dispensing

⌷ Dispensing not available

☰ Operating data

-> l <- Reset to 0 (zero)
To reset the load sensor to "00.0" when the drum is empty and the display shows a load size.

⧖ Data transfer

Operator Card

No programs are saved on this card. To transfer the data from the control to the card and vice versa see the Programming manual.

30 programs containing 6 blocks each can be saved on the card.

The rear side of the card can be labeled.

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Use

1. Turn on the washer

■ Open the on-site water valves (and the supply valves for steam, if relevant).

■ Turn on the electrical supply at the mains (on site).

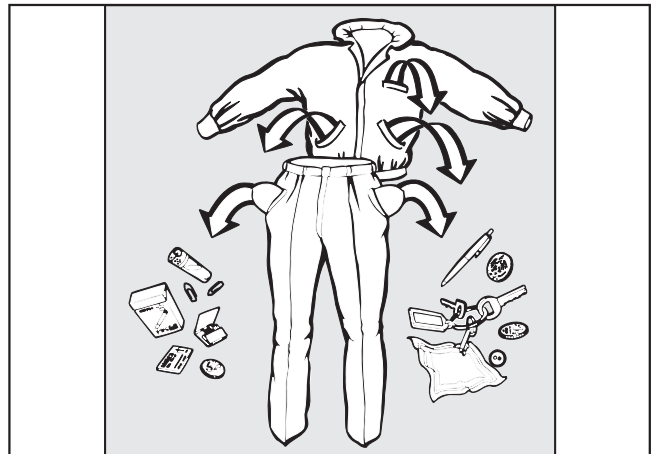■ Press **I** "On" to turn the washer on.

The welcome screen shows.

```
        Miele
   PROFESSIONAL
       PW 6xx1
       Welcome
```

Then the program list is shown. The program started last is highlighted.

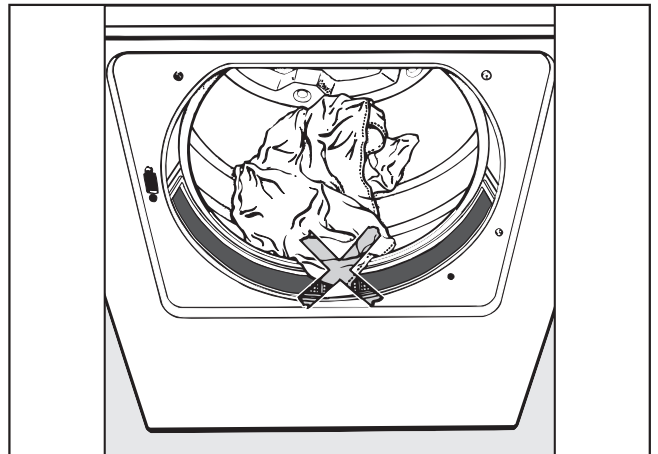| 1	Hot Wash	194 °F
2	Cottons	140 °F
3	Cottons Intensive	140 °F

2. Sort and load the laundry

■ Empty all pockets.

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

■ Sort the laundry.

■ Only wash fabrics according to their wash care label.

■ Open the drum door by pulling the handle.

■ Load the laundry loosely into the drum.

To prevent fabric damage, check that laundry will not be caught in the closed door.

■ Close the drum door with the handle. Do not swing the door shut.

Maximum dry laundry weights

PW 6101
23 lbs / 10 kg laundry
14 lbs / 6 kg wet cleaning

PW 6131
30 lbs / 13 kg laundry
18 lbs / 8 kg wet cleaning
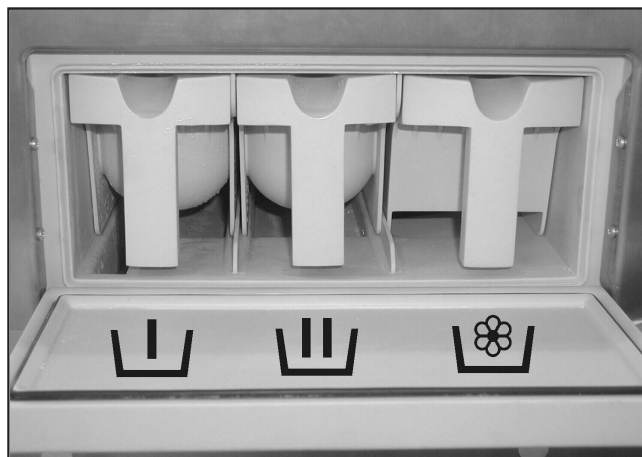
PW 6161
36 lbs / 16 kg laundry
22 lbs / 10 kg wet cleaning

PW 6201
45 lbs / 20 kg laundry
27 lbs / 12 kg wet cleaning

3. Add detergent

■ Open the detergent compartment flap, pull out the respective containers and add detergent.

⊔⫿ = Detergent for the main wash

⊔⏐ = Detergent for a Pre-Wash
($^1/_4$ of the total recommended amount of detergent)

✺ = **Front compartment**
Fabric softener or liquid starch
Rear compartment
Liquid additives e.g. bleach

■ Do not exceed the maximum fill level, the excess will flow directly into the drum.

■ Close the detergent compartment.

Use

Detergent

Only use the correct amount of high
efficiency low sudsing detergent. Too
much detergent will cause oversudsing.

Dosage

Follow the instructions on the detergent
packaging to ensure the correct usage and
dosage amount for your water hardness.

Adjust the amount of detergent if the load is
smaller and more or less soiled than normal.

Water hardness

Water hardness levels	Water quality	Hardness level in mmol/l	German hardness °d
I	soft	0 - 1.3	0 - 7
II	moderate	1.3 - 2.5	7 - 14
III	hard	2.5 - 3.8	14 - 21
IV	very hard	over 3.8	over 21

If you do not know the water hardness in
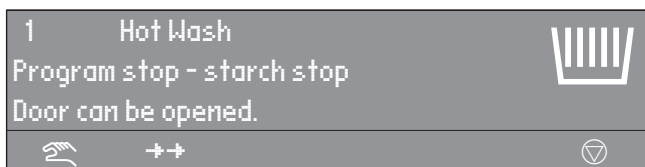your area contact your local water authority.

Fabric softener

■ Pour liquid fabric softener into the
compartment according to the
manufacturer's instructions. **Do not
exceed the maximum fill level**, the
excess will prematurely activate the siphon
and be wasted.

■ Close the compartment lid and push in the
dispenser drawer.

The fabric softener will automatically be
dispensed during the final rinse cycle.
A small amount of water will remain in the
compartment at the end of the program.

Never mix fabric softener and starch in
the fabric softener compartment ✿. This
will clog the dispenser.

Starch

In the detergent container

```
1         Hot Wash
Program stop - starch stop       [basket icon]
Door can be opened.
   [hand icon]    ++                    [stop icon]
```
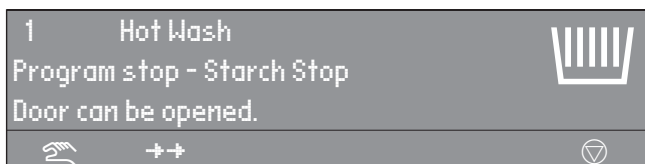
"Program stop - Starch Stop" flashes in the display when it is time to add starch to the laundry.

■ Add starch, prepared according to the manufacturer's instructions, into compartment [⊛]. The wash time is automatically extended by 4 minutes.

■ Press ◊ "Start" to continue the program.

In the drum

■ Once the program stops in "Starch Stop", open the drum door and add starch to the laundry load prepared according to the manufacturer's instructions.

■ Close the drum door.

The display shows:

```
1         Hot Wash
Program stop - Starch Stop       [basket icon]
Door can be opened.
   [hand icon]    ++                    [stop icon]
```

■ Press the ◊ "Start" button to continue the program.

Bleach

Only bleach items with the △ symbol on the fabric care label.

Liquid bleach can only be used in a program designed for bleach.

Liquid bleach must only be filled in a programmed detergent compartment. It will be automatically added to the second rinse.

A third rinse is necessary when using bleach (see the Programming manual).

⚠ The use of chlorine or chloric aids lead to corrosion and may damage the machine.

Fabric dye

Fabric dye and color aids must be suitable for use in a washer. Always follow the instructions of the manufacturer.

13

Use

4. Select a program

■ Select a program by turning the jog shuttle (e.g. Program 1 Hot Wash).

The following will appear in the display:

16	Extra Drain	
1	Hot Wash	194 °F
2	Cottons	140 °F

■ See the Programming manual for more information.

■ Confirm the selected program by pressing the inner button of the jog shuttle.

The display shows:

1	Hot Wash	22.0 /22.0 lb
194 °F	Main wash	
	Rinse	1200 rpm

5. Select wash options (if needed)

■ Press one of the wash option buttons. To deselect the option, press it again.

+ � Block Plus

A pre-wash can be selected for heavily soiled laundry in certain programs. If a pre-wash is an option the "+⎁" field is highlighted. If a pre-wash is not available, the "+⎁" will not be shown.

⎃ Starch Stop

Starch can be selected with all standard programs (excluding Extra Spin and Extra Drain). The ⎃ field is highlighted in the display.

⊘ Spin Stop

Spin Stop can be selected with all standard programs (excluding Extra Spin). The ⊘ field is highlighted in the display.

1	Hot Wash	⊘
Program stop – w/o spin		
Door can be opened.		

"Without spin" flashes in the display when the spin cycle is reached.

■ Press the ▽ "End" button.

■ The program ends without spinning.

■ To continue the program with spinning, press the ◇ "Start" button.

6. Select Delay Start (if needed)

Use the ⏱ "Delay start" button to program the washer to start automatically at a later time.

Setting the delay start

■ Press ⏱ "Delay Start".

The following will appear in the display:

```
1        Hot Wash              22.0 / 22.0 lb
Start time:  16  : 10    Start date: 2.4.2003
After selection press the Start button.
                         ⏱              ↵
```

The display shows the current time of day and date. The entry field is marked for hours.

■ Press, then turn the jog shuttle to select the hour. Press it to confirm the selection.

■ Repeat with the minutes, day, month and year.

■ Press the ◇ "Start" button to start the program at the selected start time.
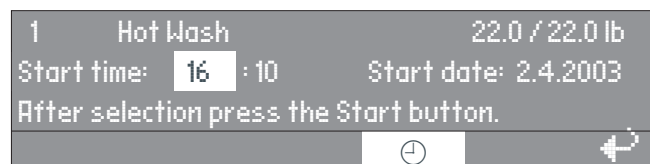
```
1        Hot Wash        22.0 / 22.0 lb
194 °F   Main wash
16:15 -2.4.2003          Start: 6:00 -3.4.2003
 +⊔      ⬛        ⊘        ⏱              ↵
```
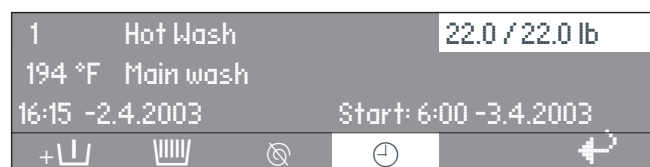
The display shows the current time of day, date and the start time.

■ If the door is opened before the delay start time has elapsed, press the ◇ "Start" button again.

Canceling the Delay Start

■ Press ⏱ "Delay Start" again or the ↵ "Back" button to cancel the delay start function.

7. Adjust the program (if needed)

Laundry weight

The laundry weight can be manually selected.

```
1        Hot Wash           22.0  / 22.0 lb
104 °F   Pre-wash
194 °F   Main wash                        ▼
 +⊔      ⬛        ⊘        ⏱              ↵
```
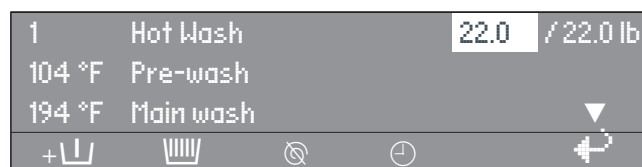
■ Turn the jog shuttle to "Laundry weight" and press to confirm the selection.

The weight shown on the right side indicates the max. weight.

■ Turn the jog shuttle to the desired laundry weight and press to confirm the selection.

Temperature

In 1°F steps from cold to the maximum program temperature.

■ Turn the jog shuttle to "Temperature" (104 °F for Pre-wash) and press to confirm the selection.

```
1        Hot Wash           22.0 / 22.0 lb
104 °F   Pre-wash
194 °F   Main wash                        ▼
 +⊔      ⬛        ⊘        ⏱              ↵
```
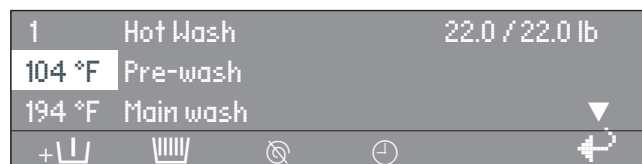
■ Turn the jog shuttle to the desired temperature and press it to confirm the selection.

Use

Spin speed

The spin speed can be adjusted from 0 - 300 then in 25 rpm increments. Depending on the model of machine and the Program selected the max. spin speed ranges from 600 - 1200 rpms.

■ Turn the jog shuttle to "Spin speed" and press to confirm the selection.

1	Hot Wash	22.0 /	22.0 lb
	Rinse	1200 rpm	▲

+⎍ ⫿⫿⫿⫿ ⊘ 🕐 ↵
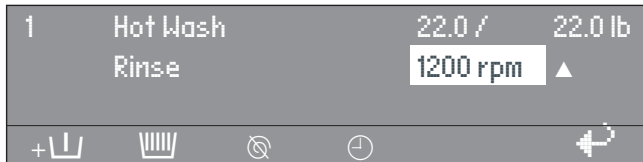
■ Turn the jog shuttle to the desired spin speed and press to confirm the selection.

8. Start the program

■ Press the ◇ "Start" button to start the program.

9. End of program

At the end of the program, once the drum is stationary and no water is in the machine the display shows (for example):

1	Hot Wash
Program end	
Door can be opened.	

🕐 ⊨⇄ ↵

At the same time a tone will sound for a short time to signal the program end.

■ Pull the door handle to open the drum door.

> Important:
> If the door cannot be opened, press against the door handle then pull again.
> **Do not use force!**

■ Remove the laundry.

■ Leave the drum door open to air dry the interior.

■ Turn the machine off with the **0** "Off" button.

■ Turn the mains off (on-site).

■ Close the gas or steam valve (on-site).

Canceling a program

To cancel a program, press the ▽ "End" button twice.
If the program was canceled with water in the machine or during spinning, the display shows:

```
1          Hot Wash
Program stop with water in the machine!

  ᴥ     ⁺⁺                          ▽
```

or

```
1          Hot Wash
Program stop - drum not stationary!

  ᴥ     ⁺⁺                          ▽
```
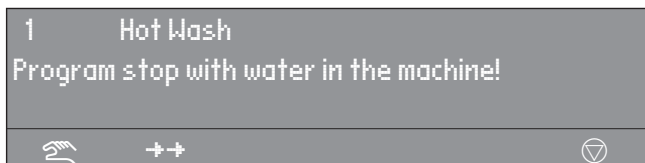
Press the "Water drain" button or select the program Extra Spin, and press the ◇ "Start" button.

Canceling a locked program

Locked programs cannot be stopped or canceled.

```
1          Hot Wash
194 °F    Main wash
          Locked!           End at 12:35
                    ᴆ                  ↵
```
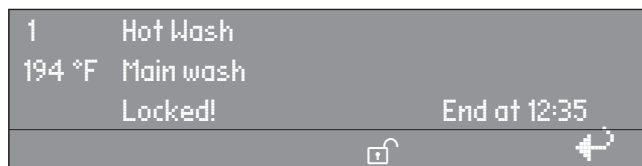
The display shows that the program is locked if the ▽ "End" button is pressed.

To unlock the program press the ᴆ "Unlock" button.

Enter the password, by turning the jog shuttle to the desired character in the alpha numeric list and then pressing the shuttle to confirm each selection.

After entering the password the display shows:

```
Unlock program?

                          ▤        ↵
```

Press the ▤ "Save" button to confirm. The normal display shows and the program can be canceled.

```
1          Hot Wash
194 °F    Main wash              140 °F
          Rinse 1         End at 12:35
                  ⏲        i        ▽
```
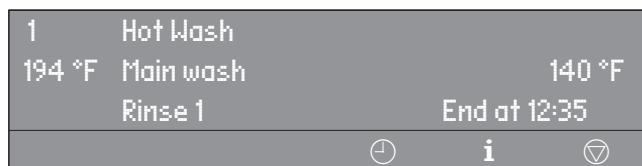
Use

Skipping program cycles

Cycles of a program in progress can be skipped or repeated.

■ Press the ▽ "End" button to stop the program.

```
1        Hot Wash
Program stop


  ☜      ⊷⊷                        ▽
```

■ Press the ⊷⊷ "Skip" button. The display shows the current area, block or step.

See also "Program structure" in the Programming manual .

```
 Skip    ->1 Hot Wash
Program stop
Area 2: Main wash                  ▼

                          🖫      ⤶
```

```
Area: 2 Main wash
Block 1: Main wash
Step: Wash time 2                  ▲

                          🖫      ⤶
```
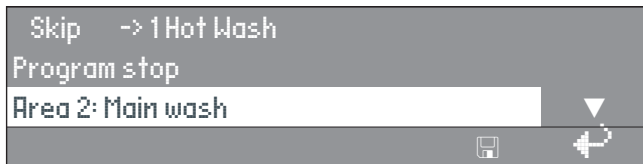
■ Turn the jog shuttle to "Area" and press it to confirm the selection.
Area: Select either 1 Prewash, 2 Main wash or 3 Rinse and confirm by pressing the jog shuttle.

■ Turn the jog shuttle to "Block" and press it to confirm the selection.
Block: Select either Prewash 1-10, Main wash 1-10 or Rinse 1-10 and confirm by pressing the jog shuttle.

■ Turn the jog shuttle to "Block" and press it to confirm the selection. Select the desired program step and confirm.

■ To start the new program step press 🖫 "Save" and ◇ "Start".

To go back without skipping a program cycle

■ Press the ⤶ "Back" to go back to the program stop.

Program sequence

The program sequence is shown in the display after the start of the program.

```
1        Hot Wash
104 °F  Pre-wash                  68 °F
         Main wash         End at 12:35
 +⊔     〰                 🕐    i    ▽
```
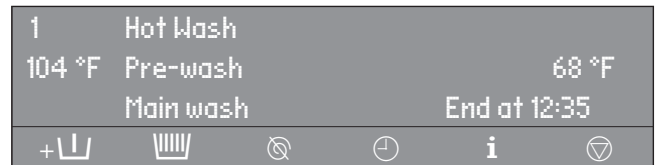
The second display line, here Pre-wash, the wash water temperature is shown.

```
1        Hot Wash
194 °F  Main wash               140 °F
         Rinse 1      Cold   End at 12:35
 +⊔     〰         ⊘     🕐    i    ▽
```
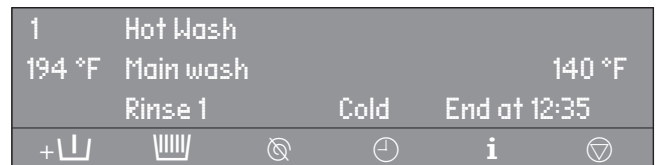
If the program block Pre-wash has ended, the 2nd line in the display shows the program block Main wash with the current wash water temperature. The 3rd line shows the following program block, here Rinse 1.

The program end display, above 12:35, shows the time of day when the program will be finished.

i Information

```
1        Hot Wash
194 °F   Main wash                    140 °F
         Rinse 1        Cold   End at 12:35
 +⊔       ⊞        ⊘        ◔        i        ▽
```
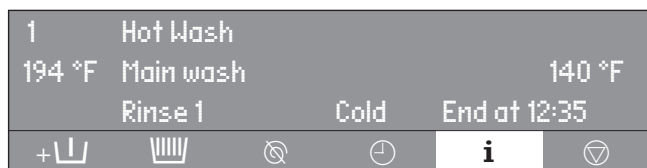
Press the **i** "Information" button during the program to show information in the display.

```
1        Hot Wash
Delay start: 10.7.2003
Start time: 9:47                        ▼
                                        ⏎
```

For more information press ▼.

```
Time after start: 0 h 23 min
Time left: 0 h 11min
Time after start: 0 h 23 min            ▼
```

```
Time left: 0 h 11min
Repetition: no
Area: Rinse 3                           ▼
```

```
Block 2: Rinse    2
Block step Wash time 1
Actual water level: 22 mm               ▼
```

```
Programmed value: 60 mm
Actual temperature: 95°F
Programmed temperature: 140 °F          ▼
```

```
1        Hot Wash
Revolution: 40 rpm
Rhythm: 12 / 3                          ▲
                                        ⏎
```
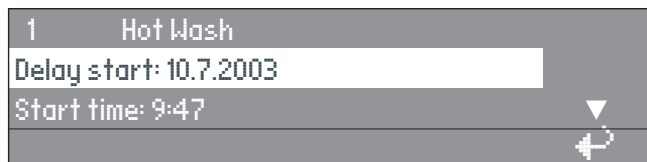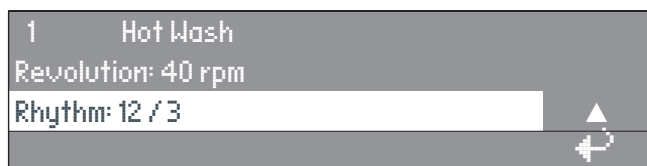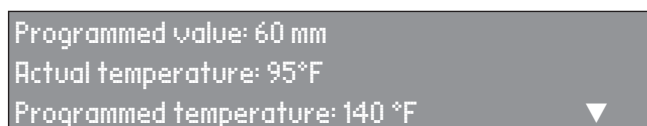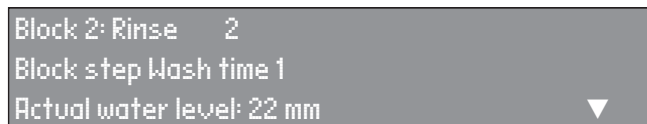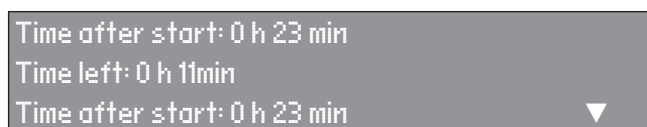
■ Press the ↵ "Back" button to return to the program sequence.

Program end with water in the drum

If the program is interrupted during a cycle, the display shows either:

```
1        Hot Wash
Program end - Water in drum

          ◔        ⊩⇄                 ⏎
```

or

```
1        Hot Wash
Program end - Drum not stationary

          ◔        ⊩⇄                 ⏎
```

> ⚠ The drum door is locked.
> **Do not use force!**
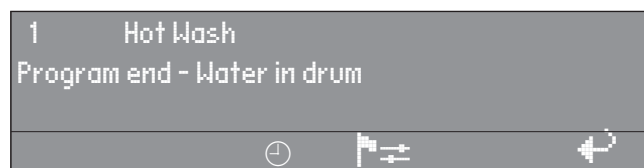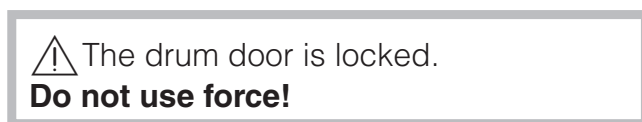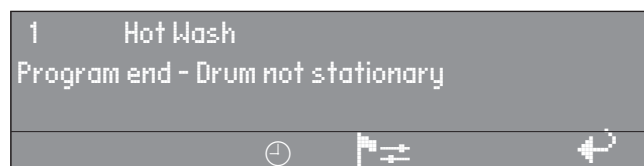
■ Press the ⊎ "Water drain" button or select the Drain Extra and press ◊ "Start".

■ At the end of the program open the door.

Program stop

■ To stop the program, press ▽ "End".

The program stops.

```
1        Hot Wash
Program stop

 ✍       ↔                             ▽
```

■ Press ▽ "End" again to continue the program.

Program Guide Standard Programs

Programs may vary depending on machine type.

Program / Display	Fabric	Program cycle	Wash options
1 Hot Wash 194 °F	Bed linens and terry cloth laundry made of cotton, linen or mixed fabrics	Pre-wash 104°F selectable Main wash 194°F 2 x Rinse last rinse warm* Final spin	+⊔ ⊞ ⊘
2 Cottons 140 °F	Lightly soiled bed linens and terry cloth laundry made of cotton, linen or mixed fabrics	Pre-wash 86°F selectable Main wash 140°F 2 x Rinse last rinse warm* Final spin	+⊔ ⊞ ⊘
3 Cottons intensive 140 °F	Bed linens and terry cloth laundry made of cotton, linen or mixed fabrics	Pre-wash 86°F selectable Main wash 140°F 2 x Rinse last rinse warm* Final spin	+⊔ ⊞ ⊘
4 Cottons 86 °F	Lightly soiled bed linens and terry cloth laundry made of cotton, linen or mixed fabrics	Pre-wash 86°F selectable Main wash 86°F 2 x Rinse Final spin	+⊔ ⊞ ⊘
5 Cottons intensive 86 °F	Bed linens and terry cloth laundry made of cotton, linen or mixed fabrics	Pre-wash 86°F selectable Main wash 86°F 2 x Rinse Final spin	+⊔ ⊞ ⊘
6 Wrinkle Free 140 °F	Lightly soiled synthetics and mixed fabrics	Pre-wash 86°F selectable Main wash 140°F 2 x Rinse Final spin 1 Min.	+⊔ ⊞ ⊘
7 Wrinkle Free intensive 140 °F	Synthetics and mixed fabrics	Pre-wash 86°F selectable Main wash 140°F 2 x Rinse Final spin 1 Min.	+⊔ ⊞ ⊘
8 Wrinkle Free 86 °F	Lightly soiled synthetics and mixed fabrics	Pre-wash 86°F selectable Main wash 86°F 2 x Rinse Final spin 1 Min.	+⊔ ⊞ ⊘
9 Wrinkle Free intensive 86 °F	Synthetics and mixed fabrics	Pre-wash 86°F selectable Main wash 86°F 2 x Rinse Final spin 1 Min.	+⊔ ⊞ ⊘

10 Delicates	Synthetics, silk, rayon	Pre-wash selectable Main wash 86°F Wash rhythm "delicate" 2 x Rinse Final spin 1 Min.	+▢▨ ⊘
11 Woolens 86 °F	Machine washable woolens, sturdy woolens and mixed woolens	Main wash limited to 104°F Wash rhythm "gentle" 2 x Rinse Final spin 1 Min.	▨ ⊘
12 Handwash Woolens 86 °F	Woolens and mixed woolens	Main wash limited to 86°F Wash rhythm "gentle" 2 x Rinse Final spin 1 Min.	▨ ⊘
13 Extra Starch			
14 Extra Rinse / Spin	Laundry which needs to be rinsed and spun	Rinse Final spin	▨ ⊘
15 Extra Spin	Laundry which needs to be spun	Final spin	
16 Extra Drain		Water drain	

* Warm rinse

The standard programs **1** Hot Wash 194°F, **2** Cottons 140°F and **3** Cottons Intensive 140°F are programmed to rinse with hot water. If a hot water connection is available, it is favorable to use this.

- The residual moisture of the laundry is lower after spinning.
- The laundry is already warmed.

If the laundry is immediately dried in a dryer or ironed with the rotary iron, time and energy is saved.
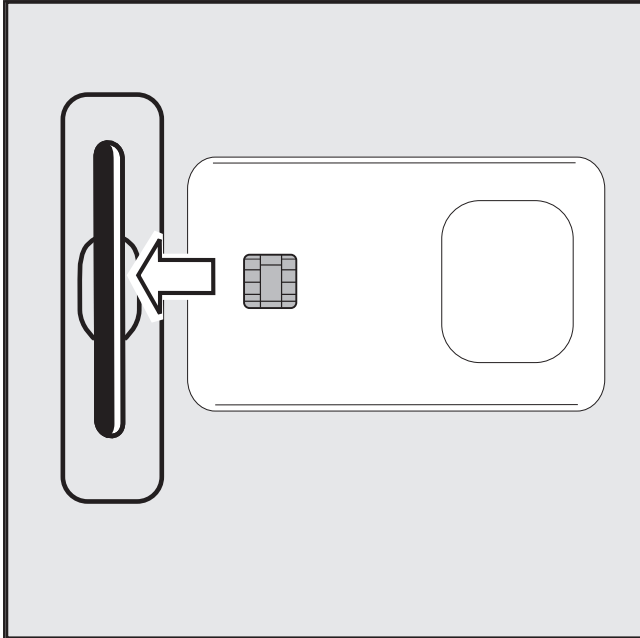
To deselect the warm rinse, see the Programming manual.

Washing using the program card

Program cards are programmed to a machine type. Empty cards can be used with any machine.

■ Press **I** "On" to turn the washer on.

The Welcome screen shows.

■ Insert the card, arrow first, into the card reader.

The display shows the list of programs on the card, example:

```
Card operation
  17     Fire department clothing  113 °F
  18     Wrinkle-free               140 °F
```

■ Turn the jog shuttle to select a program. Press the jog shuttle to confirm the selection.

■ Press the ◇ "Start" button to begin the program.

■ Remove the card from the card reader.

Once the program is finished it will be deleted from the machines memory.

> ⚠ Do not insert any items other than the card into the card reader.

If the card was inserted the wrong way, the display shows:

```
⚠  Card error
   Reinsert card correctly in card reader.
   Continue: Press Start.
```
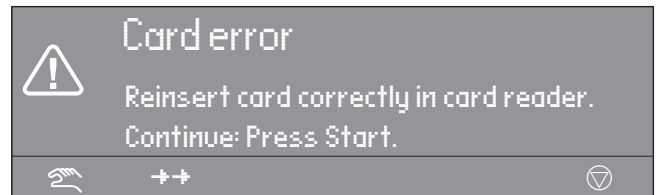
■ Reinsert the card properly into the card reader.

If the card is not suitable for this type of machine, the display shows:

```
Card operation
Programs on the card are only
suitable for machine type
```
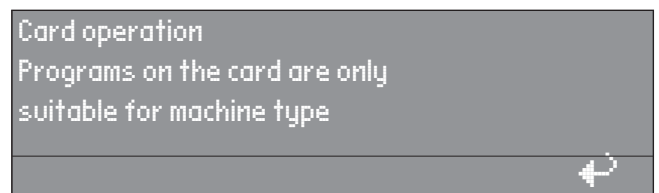
■ Insert a card suitable for this machine type.

Card only operation

A card with one particular program is enclosed for laundry with special treatment needs.

The function "Load" can be activated in the operator level. The machine will only accept cards in this function.

Those cards contain only **one** program. The programs saved in the machine control are not accessible.

Language selection

The language can be selected with the flag symbol. The language is set back to its original setting 5 minutes after the program ends or when the door is opened.

1	Hot Wash	194 °F
2	Cottons	140 °F
3	Cottons Intensive	140°F

Press the function button . The display shows:

Settings	Back
Main menu	Language
	Operator level

■ Turn then press the jog shuttle to select "Language".

Settings	Back
Language	Deutsch
	English

■ Turn the jog shuttle to select the desired language and press to confirm the selection.

Optional modules

Liquid dispensing system

(Dispensing systems vary)
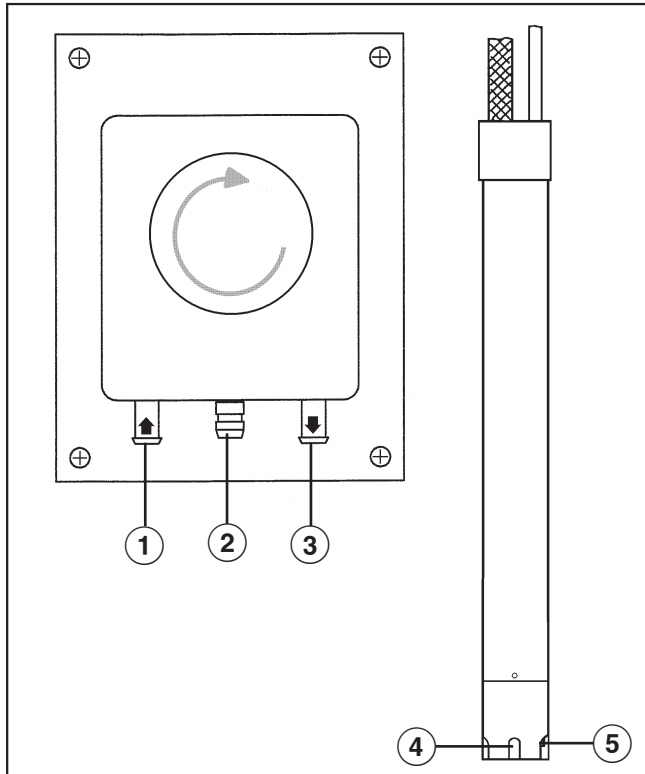
Priming the dispensing pumps

① Hose connection socket (in)

② Leakage outlet

③ Hose connection socket (out)

④ Suction inlet opening

⑤ Level indicator

When the dispenser container is empty the pump and the machine will shut off.

The display will indicate that the detergent dispenser is empty.
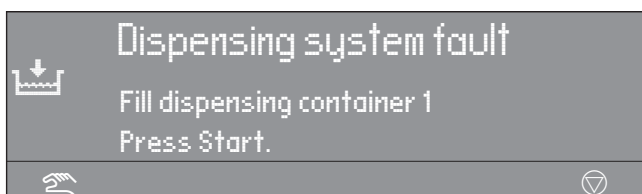
■ Refill the dispensing containers.

■ Press ◇ "Start" to continue the program.

Deselect the dispensing

The liquid dispensing can be manually deselected before a program start.

The dispensing pump is turned off.

The display shows:

Dispensing amount

⚠ Always follow the instructions of the chemical manufacturer when using cleaning agents and special application chemicals.

Only use such chemicals for the purpose and in the situation specified by the manufacturer to prevent the danger of adverse chemical reactions and material damage.

If in doubt, check with the manufacturer that the product is suitable for use in this machine.

Liquid detergent should stand at room temperature before being used to ensure proper dispensing.

Priming the dispensing pumps

Use the calibration to get liquid detergent to the pumphead. Once calibration is complete run an empty program to get detergent to the machine before actually washing a load of laundry in the machine.

Dispensing calibration

The dispensing calibration is used to calculate the flow rate of each single dispensing pump.

Direct access to the dispensing calibration when the machine is turned off:

■ Press and hold the 2nd control key.

■ Turn the machine on at the mains.

```
Dispensing calibration ▶ Main menu
Dispensing pump 1
Dispensing pump 2                    ▼
                                     ↵
```

Selections: Dispensing pump 1 to 13

After selecting a dispensing pump the display shows:

```
Dispensing calibration ▶ Dispensing pump 1
V: 100ml        t: 0s        P: 200.0 ml/min
                    0/1    ▯    ↵
```
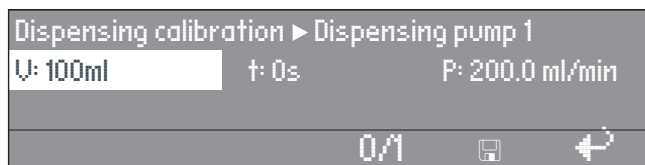
The dispensing amount can be adjusted in 1 ml increments from 0 to 999 ml.

■ Press the control key 0/1, the dispensing hose fills. Press the 0/1 button again to stop.

■ Hold the hose, of the dispensing pump to be determined, in a measuring cup.

⚠ Avoid skin and eye contact, wear protective clothing.

■ Press ↵ to get back to the main menu.

```
Dispensing calibration    Main menu
Dispensing pump 1
Dispensing pump 2                    ▼
                                     ↵
```

■ Select the dispensing pump.

```
Dispensing calibration    Dispensing pump 1
V: 100ml        t: 0s        no
                    0/1    ▯    ↵
```
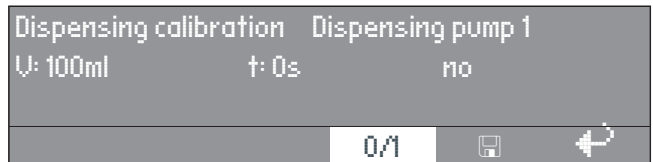
■ The dispensing can be manually stopped by pressing the 0/1 button or it will stop automatically after 60 seconds.

■ Measure the pumped amount in the measuring cup.

```
Dispensing calibration    Dispensing pump 1
V: 100ml        t: 30s       P: 200.0 ml/min
                    0/1    ▯    ↵
```
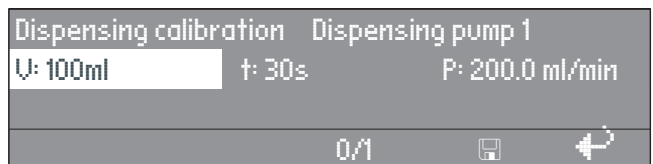
■ Enter the measured amount in the "V:" field. The flow rate P is calculated by the control.

■ Press ▯ "Save" to allocate the measured values to the dispensing pump.

■ Reconnect the hose.

Maintenance of the dispensing system

■ Rinse the dispensing system with hot water every 2 weeks, or before shutting down the dispenser pumps for any length of time, to prevent the system from clogging.

■ Rinse out the suction pipes with water.

■ Place the suction pipes in a container with warm water, 104 - 122°F (40 - 50°C).

■ Select each pump by using the dispensing calibration.

■ Turn on each pump until the dispensing system is rinsed.

■ Check the connection points, hoses and washers for leaks.

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Optional modules

Peak load cut off

When activating the peak load cut off the heat is turned off and the program is stopped. The display shows:

```
1        Hot Wash
Program stop by peak load function
The program continues.
  ☝       ⇥⇥                        ⃠
```
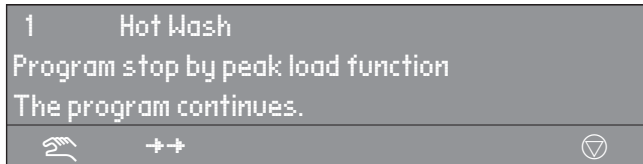
When the peak load function ends the program will continue automatically.

PC Connection
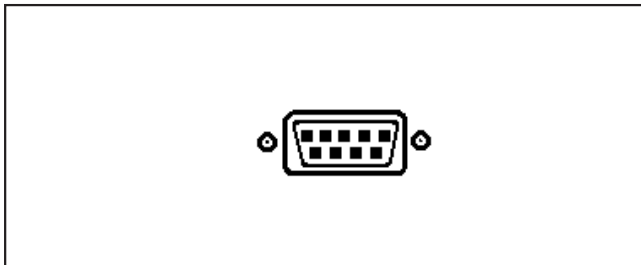
A serial interface is located at the rear of the washer to connect the machine to a PC (Personal Computer).

PC-Operation: Program changes can be made via a PC, or a new program can be downloaded.

Printer-Operation:
It is possible to print out whole programs or parts of programs.
This requires a special Editor Program which is available from the Miele Professional Department.

Load size

If the machine is equipped with a load module, the load weight will be displayed, in 0.5 lb increments, while loading the laundry. The maximum laundry weight is displayed next to the selected program.

■ Reset with the **-> I <-** "zero setting" if the weight display does not show "00.0" when the drum is empty.

```
1        Hot Wash            00.0 /  16 lb
140 °F   Main wash
         Rinse                           ▼
  +⊔     ⬛        ⃠       🕐     ->I<-   ⮐
```
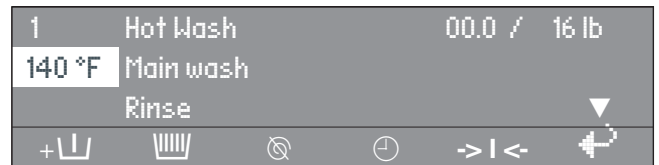
If there was still laundry in the drum when the weight display was reset, the display shows:

```
1        Hot Wash            - - . -  16 lb
140 °F   Main wash               /
         Rinse                           ▼
  +⊔     ⬛        ⃠       🕐     ->I<-   ⮐
```
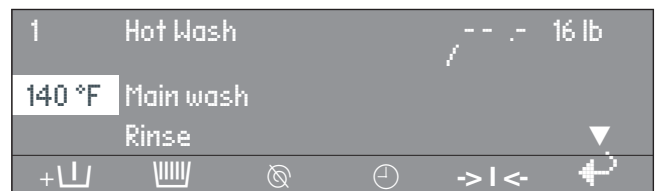
■ Reset again with the **-> I <-** button.

If the machine is overloaded (wet laundry) the machine calculates after the programs start with the nominal value. This value is saved in the operating data module.

At the end of a program, with the drum stationary, the residual moisture of the laundry is displayed.

```
1        Hot Wash
Program end         Residual moisture 60 %
Door can be opened..
                    🕐      ⊨⇄          ⮐
```
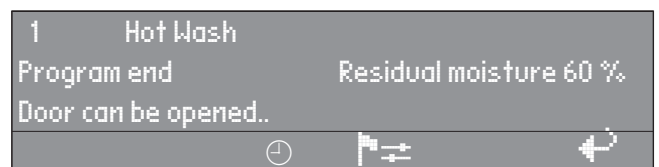
See "Use - Adjust the program" for more information.

After each use

> Never use high pressure cleaners to hose down the machine.

The machine should be cleaned immediately after use.

■ After use do not shut the drum door, allow the interior to air dry.

Cleaning the exterior

> ⚠ Never use abrasive cleaners, scouring pads, steel wool or caustic cleaners on the machine. They **will** damage the surface.

All surfaces can be cleaned with a solution of warm water and liquid dish soap applied with a soft sponge.

Door gasket

■ Clean any residues on the door gasket with a damp cloth.

Stainless steel

Stainless steel surfaces can be cleaned using a non-abrasive stainless steel cleaner.

To help prevent resoiling, a conditioner for stainless steel can also be used.

■ Apply sparingly with even pressure.

Cleaning the drip channel and siphon

■ Insert a small screwdriver into the hole on the right side of the detergent flap.

■ Push it in horizontally until the hinge disengages.

■ Take the detergent flap off.

■ Clean the drip channel and the siphon. The siphon can be cleaned with a bottle brush.

Detergent containers and siphon tube

■ Regularly clean detergent residues from the detergent dispensers, drawers and siphons with warm water.

■ Pull the siphon tube out, clean it with warm water and reinsert it.

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Cleaning and Care

Vent grille

■ Regularly check and clean the wash water vent grille at the rear of the machine.

Rust

The drum and the wash water drum are made of stainless steel. Water with a high iron content or items like paper clips or iron buttons which are in the laundry, can lead to rust in the drums.

■ To help prevent rust, a conditioner for stainless steel can be used.

■ Check the door gasket for iron residue and clean with stainless steel conditioner.

■ Clean regularly.

Leave the drum door open after use for the interior to air dry.

Water inlet filters
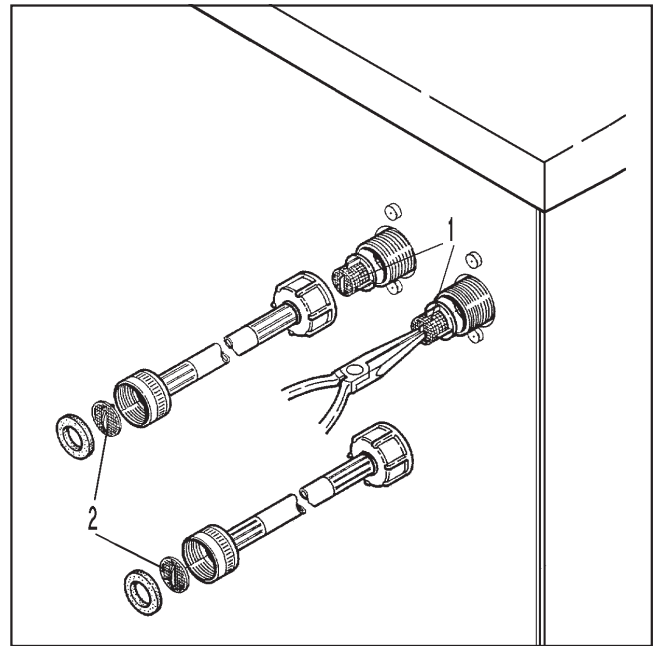
■ Regularly check and clean the filters in the water intake valves, 1, and the water intake hoses, 2.

Maintenance during downtime

■ When the machine is not used for an extended time (4 weeks or more), the drum needs to be rotated manually a couple of times to prevent bearing damage. Repeat every month.

Drum bearing lubrication
(PW 6161 and 6201 only)

If the machine needs to be serviced the following message shows:

> **DRUM BEARING LUBRICATION!**
> ⚠ Call the Miele Service
> Department.

■ Press ↵ "back" to delete the message.

The message will show each time the machine is turned on, until a Service Technician has serviced the machine.
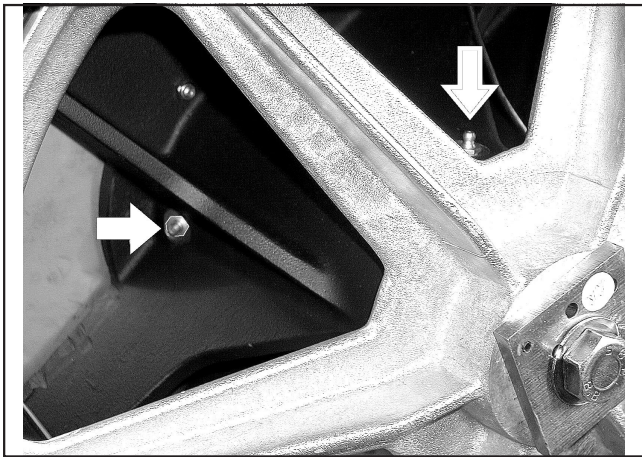
■ After about 1000 operating hours, lubricate the drum journal bearings with the lubricating nipple using Arcanol L 100 grease.

Maintenance during downtime

When the machine is not in use for an extended time (4 weeks or more), the drum bearings must be lubricated (before the downtime).

■ Lubricate the drum bearings according to the warning message and turn the drum by hand a few times.

■ Repeat every month to prevent bearing damage.

Frequently asked questions

Reasons for oversudsing

Detergent type

■ Only use detergent formulated for use in commercial washers. Detergents for domestic machines are not suitable.

Too much detergent

■ Follow the detergent manufacturer's instructions and adjust the amount to the local water hardness.

Oversudsing detergent

■ Use a low sudsing detergent or contact Miele's detergent application specialists.

Very soft water

■ In areas with soft water, use less detergent.

Soiling level of laundry

■ For lightly soiled laundry use less detergent.

Residue, e.g. undissolved detergent on laundry

■ Run a prewash without detergent and without selecting a temperature.

■ Laundry which has been pre-treated in detergent before washing must be thoroughly rinsed before running a wash program.

Small loads

■ Reduce the amount of detergent dispensed accordingly.

Drum speed too high during a wash (Profitronic-controls)

■ Reduce the drum speed and wash rhythm.

The drum door cannot be opened

■ Press against the door handle, turn the machine on then off and pull on the door handle once more.

The safety mechanism of the door handle is disengaged
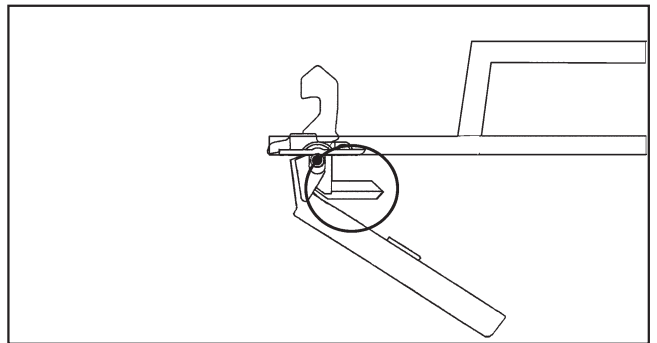
The door handle has lost its function. The door cannot be opened or closed.

The safety mechanism is designed to protect the handle from damage, i.e. if too much force is being used in an attempt to open the door.
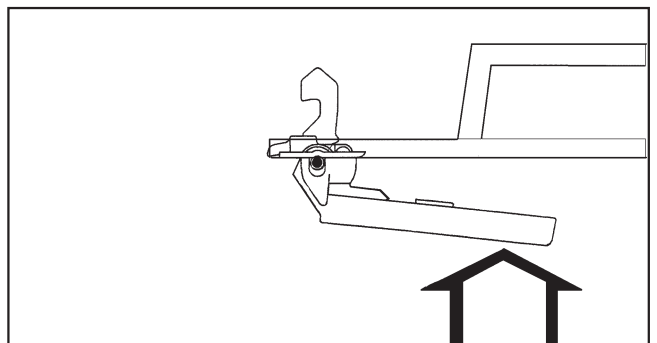
■ Firmly press against the door handle until you hear the safety mechanism click.

The door can now be opened or closed provided there is no water in the machine.

Power failure - Emergency door release

During a short power failure

The program remains in the last position. When power is restored the following message appears in the display:

```
⌐|  Power failure

|   Program stop
    Press Start.

                        ▽
```
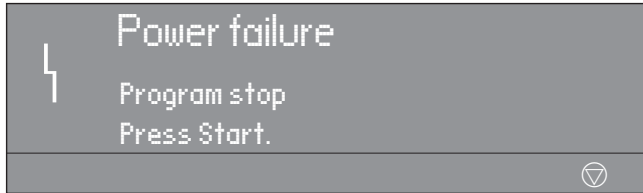
■ Press ◁▷ "Start" to continue the program.

Extended power failure

■ Turn the machine off.

■ Turn the electrical supply off at the mains.

■ Close the steam valve (on-site).

The machine must be drained and the drum door opened manually to unload the machine.

Draining the wash water

■ Place a container under the manual drain at the rear of the machine.

■ Open the drain by loosening the venting screw. **Do not** take it completely out.

■ A small amount of water from the machine will drain.

■ Tighten the venting screw again and test for leaks by opening the water supply.

Open the door manually

■ Insert and hold a small screwdriver in the opening next to the door lock.

■ Press against the door handle, then pull it towards you to open the door.
Do not use force!

■ Remove the laundry.

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Frequently asked questions

Display Service interval

■ Call Technical Service for maintenance if
the display shows the following message
after turning the machine on.

```
⚠  Service interval 1
   Call the Miele Service Department.

                                    ↵
```

The display goes out after 5 seconds.

Fault messages

> ⚠ Repairs to electrical or steam
> appliances should only be carried out by
> a Miele authorized technician in
> accordance with local and national safety
> regulations. Unauthorized repairs could
> cause injury or machine damage. The
> manufacturer cannot be held responsible
> for unauthorized work.

Faults that occur before or after the start of a
program flash in the display.

```
```

If the display remains off, the dryer has no
power.

■ Check the plug, main switch and fuses
on-site.

```
⌐  Power failure
│  Program stop
   Press Start.
                                    ⊘
```
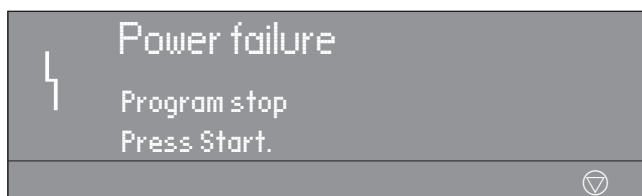
■ Press ◇ "Start".

This fault message can also indicate that the
overload cut-out of the drive motors has over
heated.

■ Allow the motor to cool.

	Water intake fault
🚰	Call the Miele Service Department.
	if restart is without success.

■ Check the water supply and press ◇ "Start".

	Heating system fault
⚠	Program Stop
	Press Start.

■ Press ◇ "Start" to continue the program without heating.

If the program has a "Thermostop" the program will time out.

■ Call Miele Technical Service.

■ Some programs may be canceled if this messages shows.
Call Technical Service.

	Motor system error
Ⓜ	Program stop. Press Start.
	Motor temperature too high.

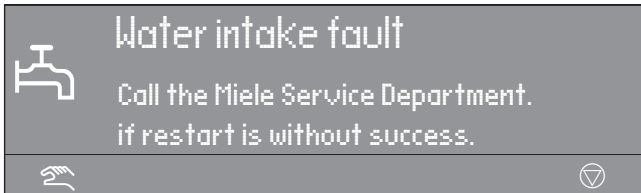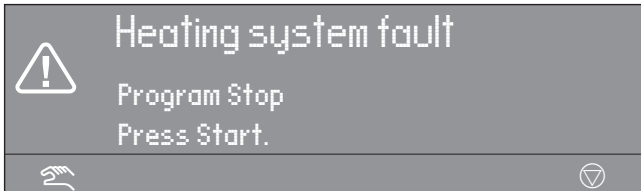■ Allow the motor to cool.

	Imbalance fault
⚠	Call the Miele Service Department
	if restart is without success.
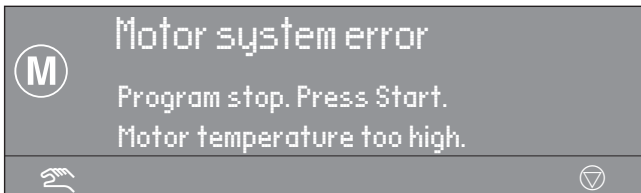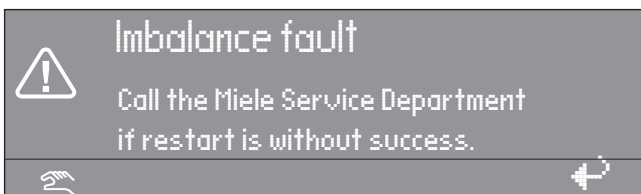
Large imbalance, the imbalance switch has activated.

■ Turn the machine off and on again

■ Press ◇ "Start".

	Drain error
〜	Call the Miele Service Department
	if restart is without success.
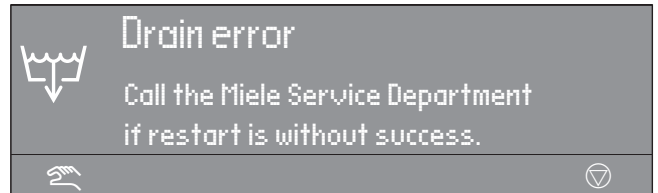
■ Check and clean the drain system and press ◇ "Start".

A defective drain valve should only be replaced by an authorized service technician.

	Dispensing system fault
	Fill dispensing container 1
	Press Start.

■ Change/fill the dispensing container.

	Card error
⚠	Reinsert card correctly in card reader.
	Continue: Press Start.
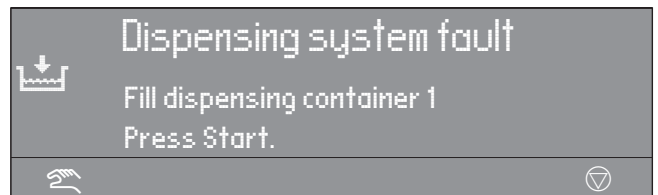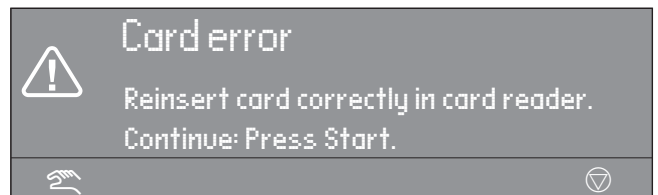
■ Insert the card properly into the card reader.

After sales service

In the event of a fault which you cannot correct yourself, please contact:

Miele Technical Service
800-991-9380
Techserv@mieleusa.com

When contacting Technical Service please quote the model (M.-Nr.) and serial number (Fabr.-Nr.) of the machine. These can be found on the silver data plate:

Above the drum opening,

or on the back panel of the machine.

When calling Miele Technical Service report the error in the display.

> Only use original Miele spare parts when performing maintenance or repairs on this machine.

34
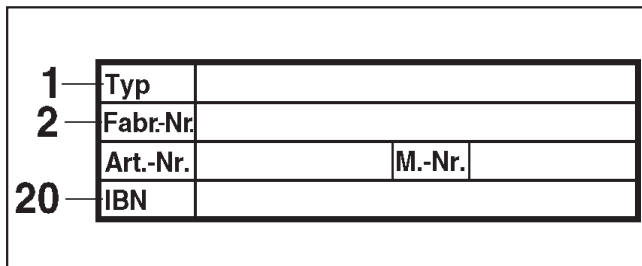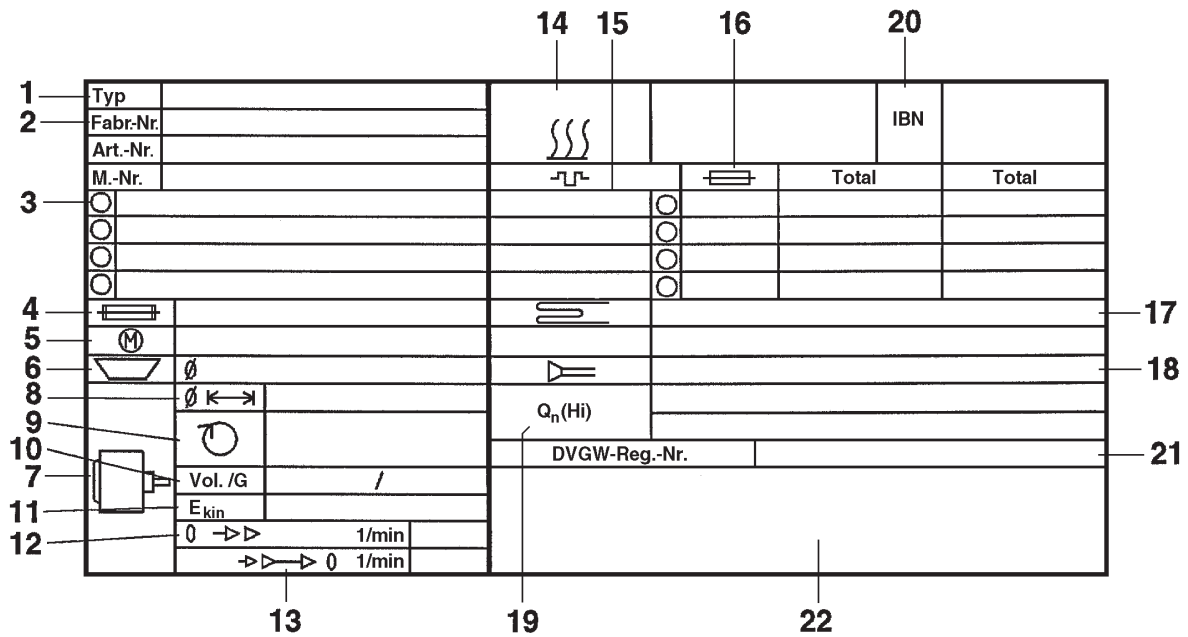
1 Machine type

2 Serial number/Year of production *

3 Voltage/Frequency

4 Fuse rating

5 Drive motor

6 Plate diameter/Plate quantity *

7 Drum data

8 Drum diameter/Drum depth

9 Spin speed

10 Drum volume/Laundry dry weight

11 Kinetic Energy

12 Ex. time to top speed

13 Breaking time

14 Heating

15 Electric heating

16 Fusing (on site)

17 Steam heating indirect

18 Steam heating direct

19 Gas heating

20 Commissioning date

21 Water-Registration
    DVGW-test cert (Water)

22 Field for CE test symbol

Noise level

	Wash cycle	Spin cycle
PW 6101	60 dB	73 dB
PW 6131	61 dB	72 dB
PW 6161	62 dB	77 dB
PW 6201	62 dB	77 dB

* Not valid for this machine.
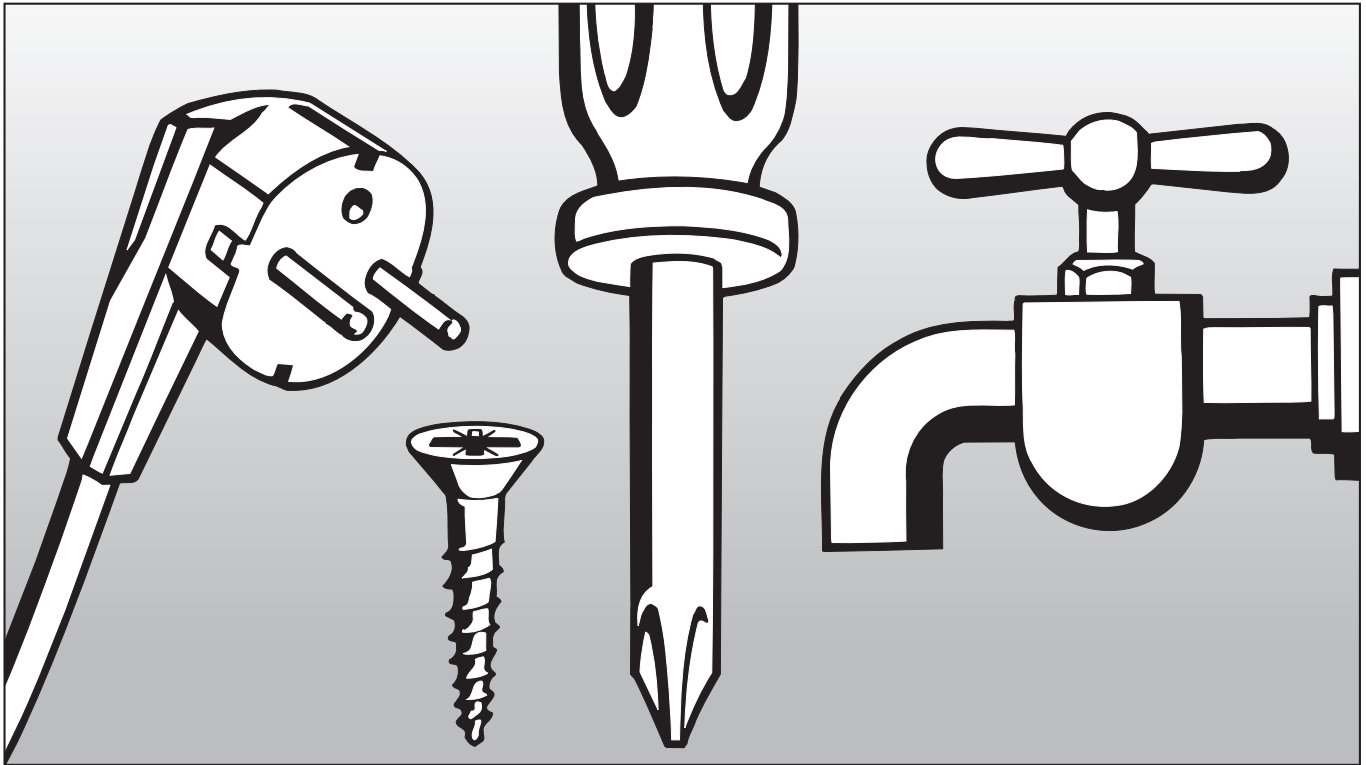
Installation Instructions

Help to protect the environment

Disposal of the packing materials

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

To prevent suffocation, ensure that any plastic wrappings, bags, etc. are disposed of safely and kept out of the reach of children.

Disposal of an old appliance

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

Ensure that the appliance presents no danger to children while being stored for disposal. Before discarding an old appliance, unplug it from the outlet, cut off its power cord and remove any doors to prevent hazards.

The washer must only be installed by a Miele authorized service technician.

Before installation or service disconnect the power supply to the work area.

The minimum dimensions and distance required from the wall, as shown in the installation diagram, must be observed to allow service to be performed and the data plate to be viewed.

Installation site

A concrete or reinforced floor is the most suitable surface for the washer. These types of floors are less prone to vibration during the spin cycle.

The washer must be leveled for proper operation. The machine does not need to be installed on a base, however, any unevenness in the floor must be compensated for.

Do not install or store this machine in a room where temperatures below freezing may occur or where the machine may be exposed to the weather.

Do not install the washer on carpeting. Carpeting will block the washers air vents.

Installation Instructions

Removing the shipping struts
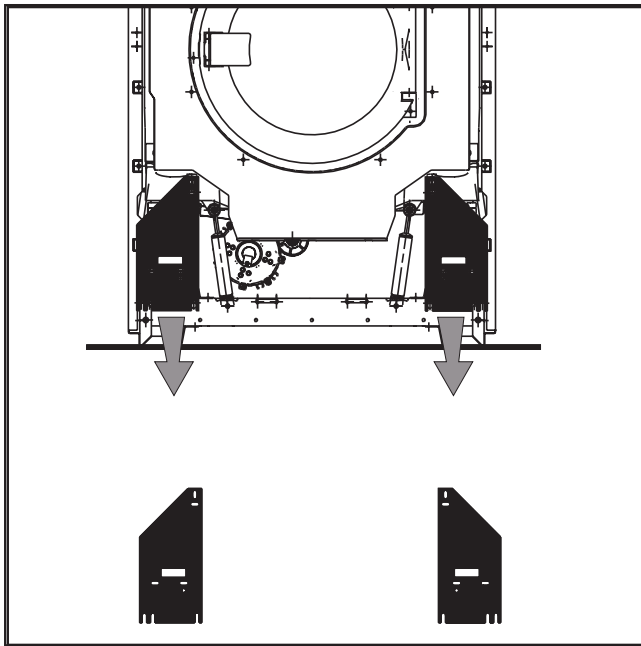
Four red-marked shipping struts, two at the front and two at the rear, are each fixed with 3 hex screws.

■ Remove the shipping struts at the installation location before using the washer.
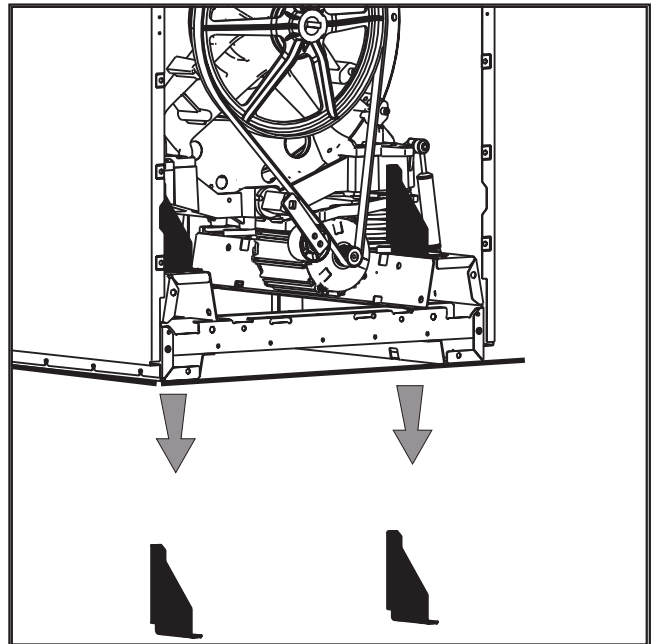
■ Take off the front and back panel of the machine by removing the screws at the bottom edge of the front service panel and the screws in the rear panel and remove.

Save the shipping struts for future use. They must be refitted if the machine is moved.

Do not move the machine without all of the outer panels in place.

Plumbing

The machine should be connected to two water supply valves, which conform with local and national regulations. Installation must be carried out by an authorized service technician.
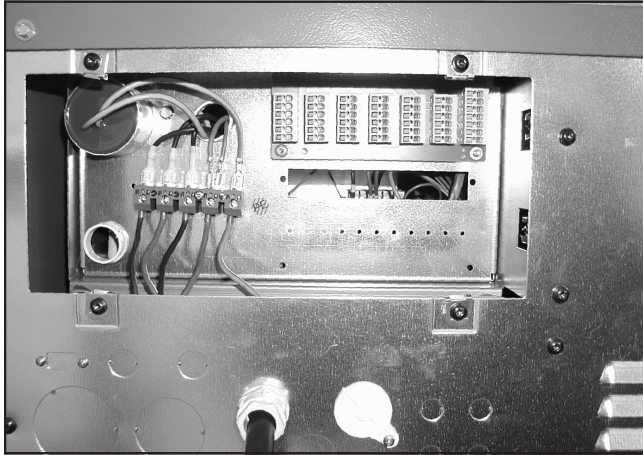
To ensure the machine is correctly connected please follow the installation plan and the separate installation instructions supplied with the machine.

Connecting the water intake / water drain hoses

See the enclosed installation plan.

A water pressure flow rate of at least 14.5 psi, maximum 145 psi is required.

The inlet pressure hoses supplied with the machine must be used for connection to the water supply.

The hoses should only be replaced with genuine Miele spare parts which fulfill the pressure requirements.

The hot water intake must not exceed a temperature of 158°F (70°C).

Cold water connection only

See the enclosed installation diagram.

⚠ Must comply with all local codes.

Installation Instructions

Electrical connection

All electrical work must be performed by a qualified service technician in accordance with applicable codes and standards.

The connecting terminal is located behind a cover.

The machine must only be connected to the voltage and frequency shown on the data plate.

The machine is equipped with a multi-tap transformer.

Steam heated washers are factory set to 3 phase, 208 V, 60 Hz

They can be converted to 3 phase, 240 V, 60 Hz by a Miele Service Technician.

Electrically heated washers are factory set to 3 phase, 230 V, 50/60 Hz

They can be converted to 3 phase, 208 V, 60 Hz by a Miele Service Technician.

To activate the heating the water level in the drum must be 2" (50 mm) high.

A motor overload protection is located in the motor winding.

See the enclosed wiring and installation diagrams.

Steam connection

The steam connection must only be connected by a certified installer. For more information see the enclosed installation plan and the installation manual.

Connecting the dispensing pumps

The connecting terminal for 4 time controlled dispensing pumps is located behind the cover next to the electrical connection.

The dispensing pumps can be operated without the multifunction module.

1. Sort the laundry

> Only use this machine for items that are machine washable, see item fabric care label.

■ Empty all pockets.

2. Turn the machine on and load the laundry

■ Press the **I** "On" button to turn the machine on.

■ Open the drum door and load the laundry.

■ Close the drum door.

3. Add detergent

■ Add detergent:
Main wash in detergent container ⊔⊔,
Prewash in detergent container ⊔,
Fabric softener/ starch in front detergent container ⊛,
Additional liquid aids in rear detergent container ⊛ (if programmed).

4. Select a program by turning the jog shuttle

Programs may vary depending on the offerings of your machine.

Standard programs

|			
1	Hot Wash 194°F	**9**	Wrinkle Free Intensive 86°F
2	Cottons 140°F	**10**	Delicates
3	Cottons Intensive 140°F	**11**	Woolens 86°F
4	Cottons 86°F	**12**	Handwash Woolens 86°F
5	Cottons Intensive 86°F	**13**	Extra Starch
6	Wrinkle Free 140°F	**14**	Extra Rinse + Spin
7	Wrinkle Free Intensive 140°F	**15**	Extra Spin
8	Wrinkle Free 86°F	**16**	Extra Drain

5. Press ◇ "Start".

The selected program begins.

6. At the end of a program

The program end is displayed.

■ Open the door by pulling the handle.
Remove the laundry.

■ Leave the drum door open.

■ Turn the machine off with the **0** "Off" button.

```
1        Hot Wash
Program end
Door can be opened.
        ⊕        ⊩⇄            ⏎
```
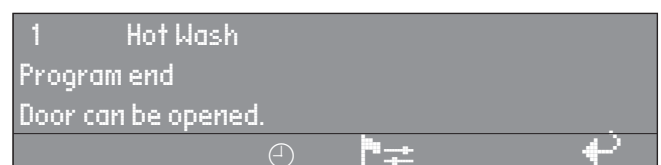
When contacting the Technical Service, please quote the model and serial number of your appliance.

Míele

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