

Operating Instructions

Washer-Extractor

WS 5101

WS 5141

Contents

Warning and Safety Instructions	3
Caring for the environment	5
Guide to the washer-extractor	6
Control panel	7
Operation	12
Language selection*	12
Setting current time and date*	12
Start up.	13
Program selection	13
Changing temperaure and spin speed	14
Adding detergent.	14
Detergent use.	14
Program end display	15
Program end - opening the drum door	15
Delayed Start 	16
Notes	17
Prewash 	17
Starch 	17
Without spin 	17
Skipping program cycles	18
Program cancellation	18
Liquid dispensing	20
Peak load cut-out / PC- Printer connection	21
Problem solving guide	22
Power failure - Emergency door release	22
After sales service	25
Cleaning and Care	26
After each use	26
Cleaning the exterior	26
Cleaning the drum	27
Guide to the symbols on the data plate	28
Installation instructions	29
Installation	30
Shipping struts	30
Plumbing	31
Electrical connection	31
Steam connection	31

WARNING

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

This washer-extractor is only intended for laundry not impregnated with dangerous or 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

Electrical Safety

■ Installation, repair and maintenance work should be by a Miele authorized service technician. Work by unqualified persons could be dangerous.

■ Before installation make sure that the voltage and frequency listed on the data plate correspond with the site electrical supply. This data must correspond to prevent injury and machine damage. Consult a qualified electrician if in doubt.

■ Be certain your appliance is properly installed and grounded by a qualified technician.

To guarantee the electrical safety of this appliance, continuity must exist between the appliance and an effective grounding system. It is imperative that this basic safety requirement be met. If there is any doubt, have the electrical system of the house checked by a qualified electrician. The manufacturer cannot be held responsible for damages caused by the lack, or inadequacy of, an effective grounding system.

■ The appliance is only completely isolated from the electrical supply when the fuse is withdrawn, the circuit breaker has been tripped, or the unit has been unplugged.

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

■ If there is any damage to the machine or to the cable insulation, the machine must not be used until it has been repaired.

■ Any removable outer panels must be in place, and all moving or electrical parts shielded before the machine is operated.

Use

■ Never use or store gasoline or gasoline based substances or any easily flammable substances near the machine. Do not use the machine lid as a storage area.

Danger of fire or explosion.

■ Only machine wash articles with a care label stating they are suitable for machine washing.

■ Never attempt to force open the door of the washer extractor. As a safety feature the door handle has been designed with a break line.

■ Never allow children to play in, on or near the washer extractor, or to operate it themselves. Please supervise its use by the elderly or infirm.

■ The door porthole glass can become hot during use of the machine. Do not allow children to touch the glass.

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

■ Waste water from washing and rinsing must not be used as drinking water. It must be discharged into a proper sewage system.

■ The machine should only be operated unsupervised if there is a floor drain (gully) in the direct vicinity of the machine.

Warning and Safety Instructions

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

■ Chlorine or agents containing chlorine are corrosive, and can under certain conditions lead to permanent damage to components.

■ Disinfecting and cleaning agents often contain chloride (salts). If these substances dry on steel surfaces the residual chlorides can attack the steel and cause rusting.

To protect your machine from rust damage, only use chloride free disinfecting and cleaning agents for washing and disinfecting, and for cleaning the machine. If you accidentally spill an agent containing chloride on the machine it should be rinsed off with water and dried using a soft cloth.

■ 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 in order to avoid the danger of adverse chemical reactions and material damage. If in doubt check the suitability of the product for use in this machine with the manufacturer before using it.

■ Where a chemical cleaning agent is recommended on technical application grounds, this does not imply that the manufacturer of the machine takes responsibility for the effect of the chemical on the material of the items being cleaned or on the machine. Please be aware that changes in formulation, storage conditions etc., which may not be published by the chemical producer, can have a negative effect on the cleaning result.

■ Dyes, dye removers and descaling agents may only be used in this machine if the manufacturer expressly states that they are suitable for use in a washing machine. There may be the danger of fire or explosion.

■ Do not use high pressure cleaners to hose down the machine.

Maintenance

■ Faulty components should only be replaced with genuine Miele spare parts. The safety standards of the machine can only be guaranteed when Miele spare parts are used.

■ Over time deterioration of parts can occur, especially rubber components such as hoses. Check the inlet hoses regularly for signs of deterioration or leaks, to prevent water or machine damage.

■ Local regulations regarding regular inspection and maintenance of this machine must be observed.

Noise level

	Wash cycle	Spin cycle
WS 5101	60.8 dB	73.4 dB
WS 5141	61.5 dB	72.1 dB

Disposal of an old appliance

■ When disposing of an appliance first make it unusable. Disconnect it from electricity, cut off the power cord and remove the plug.

Disable the door lock, so children cannot accidentally shut themselves in. Make appropriate arrangements for the safe disposal of the appliance.

KEEP THESE INSTRUCTIONS IN A SAFE PLACE.

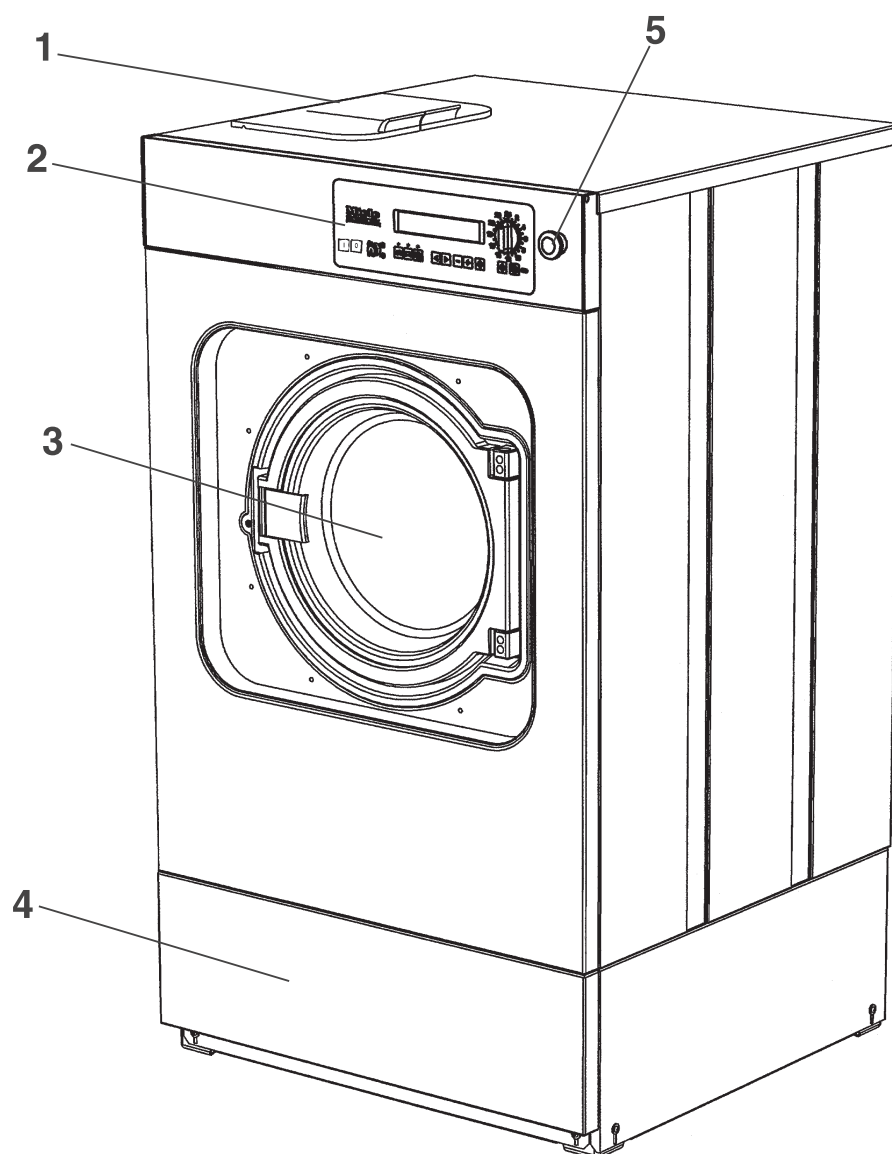
Disposal of the packing material

The transport and protective packing materials are environmentally friendly for disposal and can normally be recycled. Please recycle.

Ensure that any plastic wrappings, bags etc. are disposed of safely and kept out of the reach of babies and young children.
Danger of suffocation!

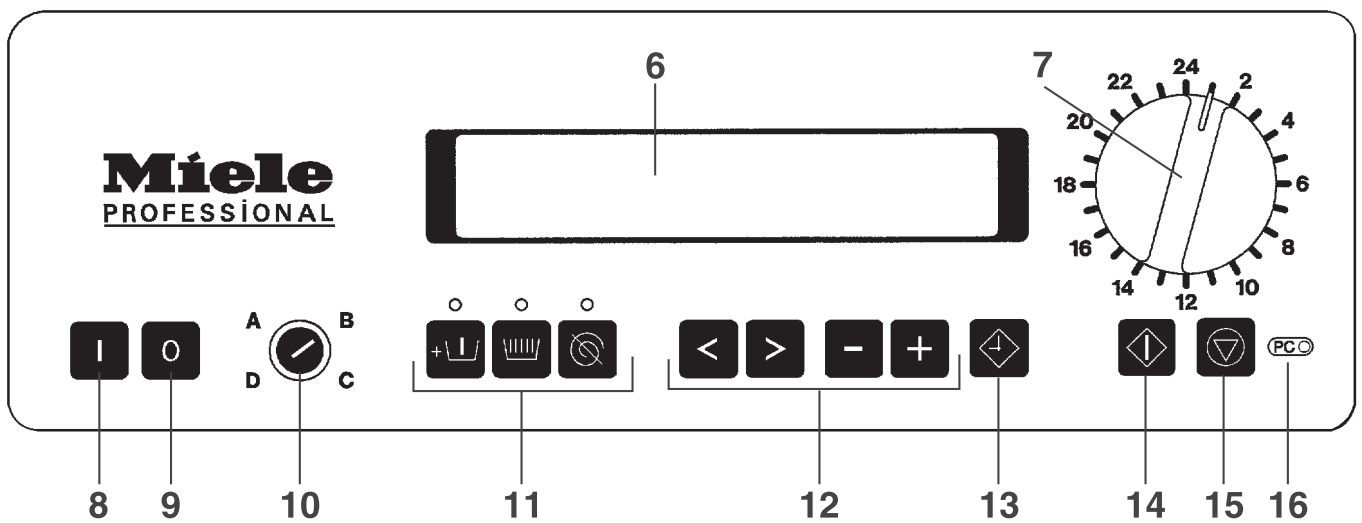
Disposal of an old appliance

Old appliances contain materials that may be recyclable. Please contact your local recycling authority about potential recycling. Before disposing of the appliance, see the "Warning and Safety Instructions".



- 1** Detergent dispenser
- 2** Control panel
- 3** Drum door
- 4** Plinth (optional)
- 5** Emergency Stop button

Control panel



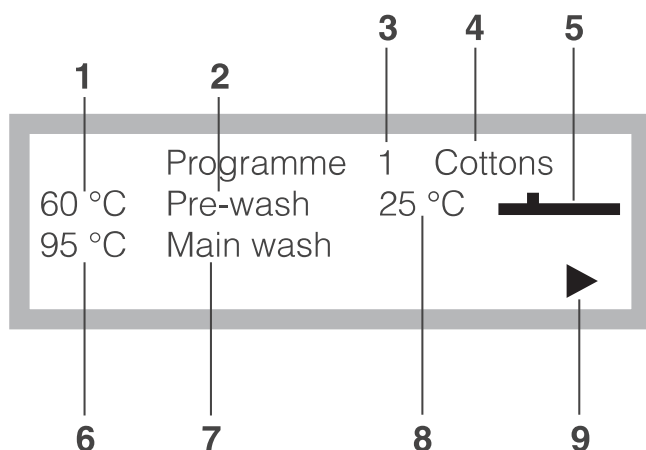
- | | | | |
|----|-------------------------|----|--------------------------|
| 6 | Display | 12 | Cursor and input buttons |
| 7 | Program selector | 13 | Delay Start button |
| 8 | Power on button | 14 | Start |
| 9 | Power off button | 15 | End |
| 10 | Access lock | 16 | Optic interface |
| 11 | Special options buttons | | |

Guide to the washer-extractor

Display

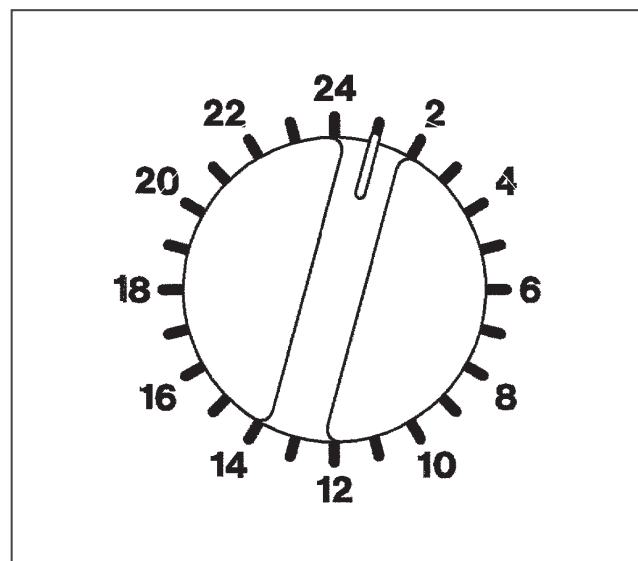
The display content will appear once the machine is turned on. It is up to four lines and 40 digits long, showing which program has been selected.

Display during a program



- 1 Planned temperature for the current cycle
- 2 Name of the current cycle
- 3 Program number
- 4 Program name
- 5 Time line for the current cycle
- 6 Planned temperature of the next cycle
- 7 Name of the next cycle
- 8 Actual temperature
- 9 Points to a further display line

Program selector



Program numbers 1 - 24 can be selected directly.

Program numbers 25 - 99 can be selected using selector position 24 and the **+** "Plus" button.

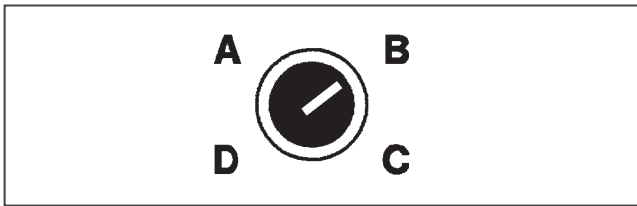
The name of the selected program and its corresponding number appear in the display. Program positions 1 - 10 are standard programs.

The subsequent program positions vary according to the version of the model, and are set out in the Programming Instructions. If the program selector switch is turned to another position after the start of the program, the first line of the display flashes. The program does not however change.

Main buttons

- 1** "Power on" button
- 0** "Power off" button

Key access lock



Position A - Free access

Programs which have been allocated free access can be run. See Programming Instructions for allocation of free access.

Position B - Operation

All programs can be started in this position. The display will show the selected program information.

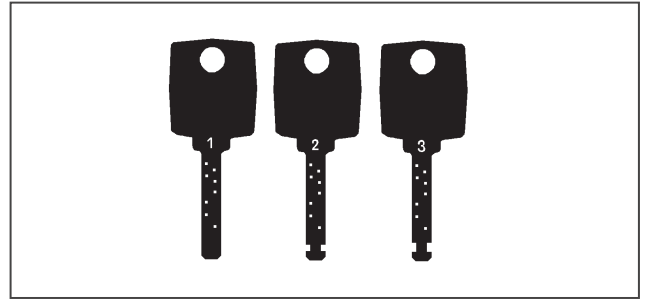
Position C - Programming

At this position, programming, copying, deleting, printing, altering, giving or barring free access, and creating new program sequences can be done. See Programming Instructions.

Position D - Unlocking

At this operating level barred programs can be unlocked. Locked Programs (e.g. Disinfection programs) can not be cancelled once they have started. If the key switch is turned to position **D** in such a program, the program running is unlocked and can be cancelled. See Programming Instructions.

Access keys



Key **1** (2 supplied) for operating levels **A** and **B**.

Key **2** for operating levels **A**, **B**, **C**.

Key **3** for operating levels **A**, **B**, **C**, **D**.

Guide to the washer-extractor

Special options buttons



The indicator above each button will light when a special option is selected.

"Prewash"

Press this button to add a cycle to a program. A Prewash is added to the program. Press the button a second time to deselect the function.

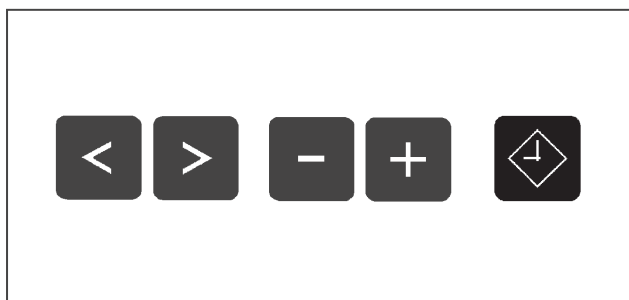
"Starch"

Press this button for starched laundry.

"Without spin"

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

Cursor buttons and Delay Start



"Cursor"

The cursor buttons are used to pass backwards or forwards into the input fields or into the next display, (this appears as > < flashing in the display).

Pressing continuously on the button runs quickly through the display screens.

"Minus-/Plus"

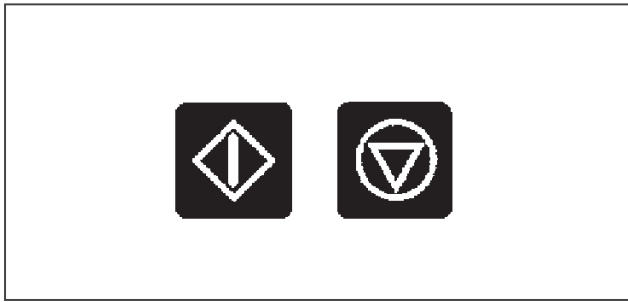
The Minus/Plus buttons allow you to modify an input field. Pressing continuously on the buttons makes rapid changes.

"Delay start"

The display indicates that a start time should be selected. If the button is pressed again the Delay start option is cancelled.

If the button is pressed after the start of a program the current time of day and date are shown.

- Press this button to delay the start of a program.



"Start"

Press this button to start the selected program.

"End"

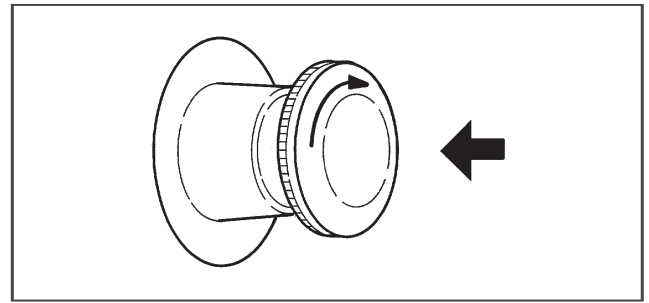
Press this button to stop a program. Immediately press once again to terminate a program. A stopped program can be restarted by pressing the Start button.



Optic interface

Data transfer to and from the machine's controls and a PC can take place using relevant software. The optic interface on the machine's control panel provides the connection point.

Emergency Stop Switch



Only to be used in an emergency.

The switch can be reset by turning the ribbed disc clockwise.

After resetting the following appears in the display:

PROGRAMME 1 COTTONS
PROGRAMME STOP
THROUGH POWER CUT
Please press the Start button.

■ Press "Start" to continue the program.

Conversion of °C to °F

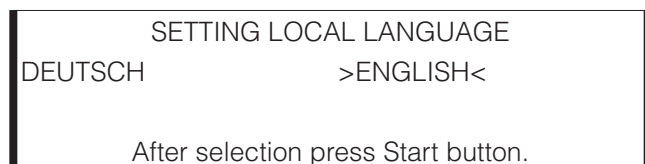
°C	°F	°C	°F
10	50	70	158
20	68	80	176
30	86	90	194
40	104	100	212
50	122	110	230
60	140	120	248

Operation

Language selection*

(if necessary)

- Turn the unit on at the wall switch.
- Turn the key to position **B** "Operation".
Press the "OFF" **0** button to turn off the machine.
- Press the **Start** button and the **I** "ON" button at the same time and hold pressed in, until the display shows the following:



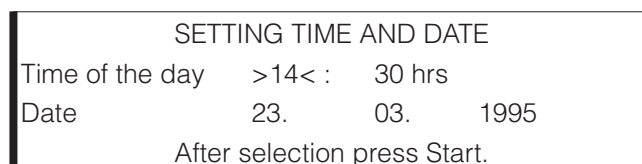
- Select the desired language with the **<** **>** "Cursor" buttons.

The display content being shown is immediately converted into the selected language.

- Confirm the selected language by pressing the **Start** button.

Setting current time and date*

- Turn off the machine with the **0** "Power off" button.
- Turn the key to position **B** "Operation".
- Press the **Start** button and the **I** "ON" button at the same time and hold pressed in, until the display shows the following:



- Use the **>** "Cursor" to position the cursor on the input field to be changed and set the change with the **-** **+** "Minus or Plus" buttons.
- Position the **>** "Cursor" on the hours and set the hours.
- Position the cursor on the minutes and set the minutes.
- Position the cursor on Day and set the day.
- Position the cursor on Month and set the month.
- Position the cursor on Year and set the year.
- Store the changes by pressing the **Start** button.

*If pauses between programming steps lasts longer than 25 seconds, the display will return to the basic stage and the changes will be lost.

Start up

- Open the on-site water valves, (and the supply valves for steam, if relevant).
- Turn on the electricity supply at the mains (on site).
- Turn the key to position **B** "Operation".

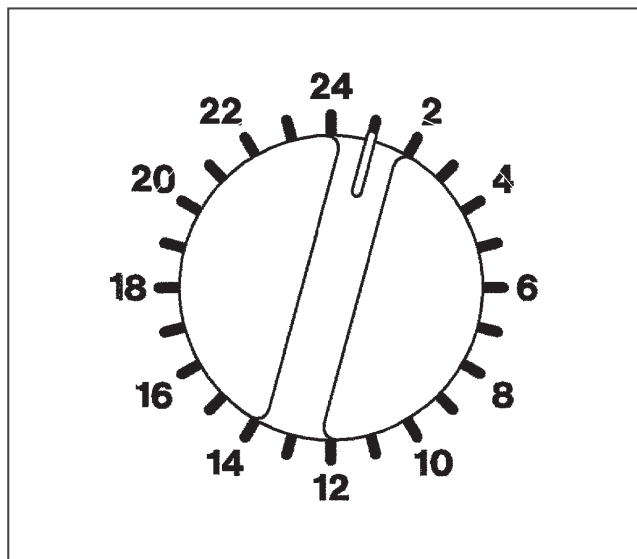
The functions described below are restricted only to the "Operation" condition.

- Empty all pockets.

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

- Load the laundry.
- Close the drum door.
- Press the **I** "Power on" button.

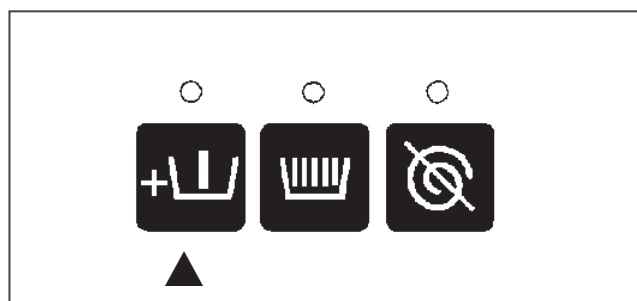
Program selection



- Select a program (e.g. Program **1** COTTONS).

The display shows the following (example):

	PROGRAMME 1	COTTONS
>95 °C<	Main wash	1
	Rinses 3	1000 RPM



- Use the button **+W** "Prewash" to select a "Prewash" if required.

When **+W** "Prewash" has been pressed the following shows in the display:

	PROGRAMME 1	COTTONS
>60 °C<	Prewash	1
95 °C	Main wash	1
	Rinses 3	1000 RPM

Operation

Changing temperature and spin speed

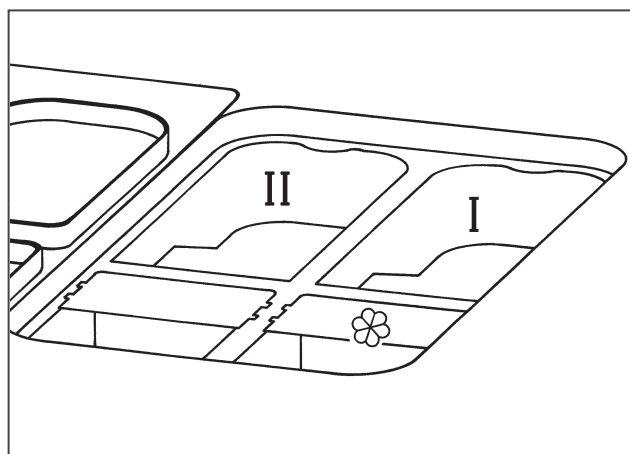
The following parameters can be changed before the start of a program:

- the temperature in 1 °C steps from cold, 15 °C to maximum 95 °C .
- the spin speed in 100 rpm steps.
WS 5101 300 - 1500 rpm
WS 5141 300 - 1000 rpm

	PROGRAMME	1	COTTONS
>60 °C<	Prewash	1	
95 °C	Main wash		1
	Rinses	3	1000 RPM

- Use the ➤ "Cursor" to position the cursor on the input field for the Prewash temperature, and set the temperature required (here 60 °C) with the – + "Minus or Plus".
- Position the cursor on the input field for the Main wash temperature, and set the temperature required with – + "Minus or Plus".
- Position the cursor on the input field for the spin speed, and set the spin speed required with the – + "Minus or Plus".

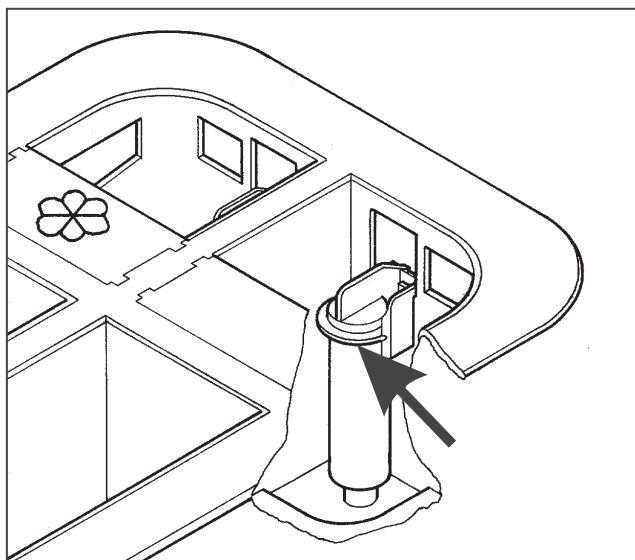
Adding detergent



- For the standard programs add detergent for the main wash into compartment II and, if required into compartment I for the prewash. Fabric softener is put into compartment ⌘ and liquid bleach is put into the compartment without a symbol.

Detergent use

- Only use low sudsing detergents. Do not oversuds the unit with too much detergent.
- Take into account the water hardness, and the detergent manufacturer's instructions when filling the dispenser.



- Do not fill fabric softener or bleaching agent higher than the level marker in the relevant dispenser compartment. Otherwise they will be siphoned into the suds container.
- Press ⬢ "Start" to begin washing.

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

	PROGRAMME 1	COTTONS
60 °C	Prewash	20 °C
95 °C	Main wash	
		▶

In the second display line, here Prewash, the actual suds temperature is shown, and the time line extending off to the right, underneath the next cycle of the program is shown, here Main wash.

	PROGRAMME 1	COTTONS
95 °C	Main wash	20 °C
	Rinse 1	
		▶

When the Prewash cycle has finished, the Main wash appears in the display, with the actual suds temperature, and the time line extending off to the right. Underneath the next cycle of the program is shown, here Rinse 1.

When an arrow appears at the right of the last line (▶), this indicates that there is a following display line.

Press the ▶ "Cursor", and further information on the program appears in the lower lines.

Program end display

	PROGRAMME 1	COTTONS
	Rinse 1	
	Rinse 2	
Programme end	11 : 25 hrs	▶

After water from the last heating phase has drained away, or after the last "Cool Down" the program end time is shown in hours and minutes.

Program end - opening the drum door

At the end of the program, with a stationary drum and no more water in the machine the following display is shown (for example):

PROGRAMME 1	COTTONS
PROGRAMME END	
DOOR IS UNLOCKED	

- Pull the handle to open the door.
- If the door can not be opened, press against the door, and once again pull on the handle.

Never use force to open the door.

- Remove the laundry.

If the program is interrupted during a cycle, the following display messages will appear:

PROGRAMME 1	COTTONS
PROGRAMME END	
DOOR IS LOCKED	
THERE IS WATER IN THE MACHINE	

or:

PROGRAMME 1	COTTONS
PROGRAMME END	
DOOR IS LOCKED	
DRUM NOT YET STATIONARY	

- Select the separate drain or separate spin program and start it. At the end of the program open the door.

If this was the last load of wash for the day, or longer:

- Leave the drum door open.
- Turn off the machine.
- Switch off the main power supply (at the wall switch).
- Turn off the on site water and steam (if applicable) valves.

Operation

Delayed Start

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

- Turn the key to position **B** "Operation".
- Turn on the machine and select the required program with the program selector.

The display shows the following (example):

	PROGRAMME	1	COTTONS
>95 °C<	Main wash	1	
	Rinses	3	1000 RPM

- Press  "Delay start".

Here the display shows the following:

	PROGRAMME	1	COTTONS
Start time	>14< : 30	hrs	
	After the time has been set press the Start button		

The current time of day (military time) is always displayed first.
The cursor points to the input field for 'hours'.

- Select the start time with   "Minus or Plus" buttons.
- Position the cursor on the input field for minutes and select the minutes with   "Minus or Plus".

Before pressing the  "Start" button the start time can be deleted by pressing again on the  "Delay start" button, or by turning the machine off and then on again.

- Press  "Start" to confirm the delayed start, and the following will appear in the display:

	PROGRAMME	1	COTTONS
95 °C	Main wash	1	
Start time	18 : 30	hrs	

When the start time is reached the program begins and the display shows the program sequence. If  "Delay start" is pressed during the program, the actual time of day and date are shown.

If  "End" is pressed the delay start function will be cancelled.

Prewash

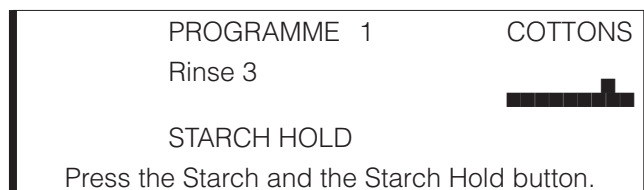
A Prewash should be selected when the load is heavily soiled.



- A Prewash can be selected before the start, in Programs **1** to **6**, by pressing  "Prewash".
The indicator light above the button lights up.

Starch

Starching can be selected in all programs (except "Separate spin" and "Separate drain").

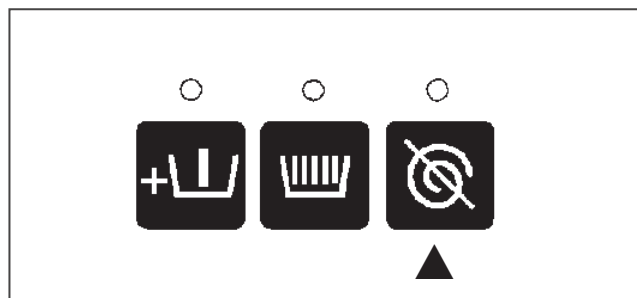


"Starch hold" flashes in the display when it is time to add starch to the laundry.

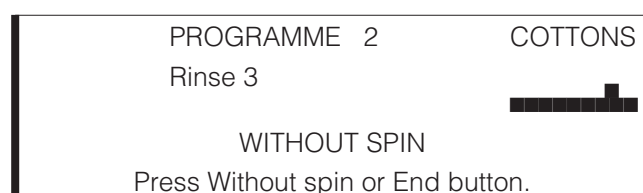
- Add starch prepared according to manufacturer's instructions into compartment (I).
The wash time is automatically extended by 4 minutes.
- Press  "Starch" to continue the program.

Without spin

Without spin can be selected in all programs (except "Separate spin").



When the "Spin" program is reached, "WITHOUT SPIN" flashes in the display.



- Either press  "Without spin" again to continue the program with a spin, or press  "End", for the program to finish with water in the machine.

Bleaching agents

Only use bleaching agents on textiles with the symbol  on the wash care label.

Liquid bleaching agents must only be added to the compartment without a symbol. The agent will then be dispensed automatically during the 2nd rinse (cold bleaching).

Liquid bleaching agents should only be used with colored fabrics if the textile manufacturer's wash care label states that the material is color fast and suitable for bleaching.

For cold bleaching the 4th rinse must be programmed, (see Profitronic programming instructions).

Skipping program cycles

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

- Press  "End" and the program is stopped.

PROGRAMME	2	COTTONS
Main wash		
PROGRAMME STOP		

PROGRAMME STOP flashes in the display.

- Use the  or  "Cursor" to skip ahead or move back to a cycle in the program.
- At the position required press  "Start" to continue the program again.

Program cancellation

- To cancel a program, press  "End" twice in succession.

If the program was cancelled while there was water in the machine, or during a spin, the following may appear in the display (example):

PROGRAMME	2	COTTONS
PROGRAMME END		
DOOR IS LOCKED		
WATER IS IN THE MACHINE		

or:

PROGRAMME	2	COTTONS
PROGRAMME END		
DOOR IS LOCKED		
DRUM IS NOT YET STATIONARY		

- Run the Separate Drain or Separate Spin program. On completion the door can be opened.

Rinsing with hot water

Standard programs

1 Cottons 200 °F (95°C) and

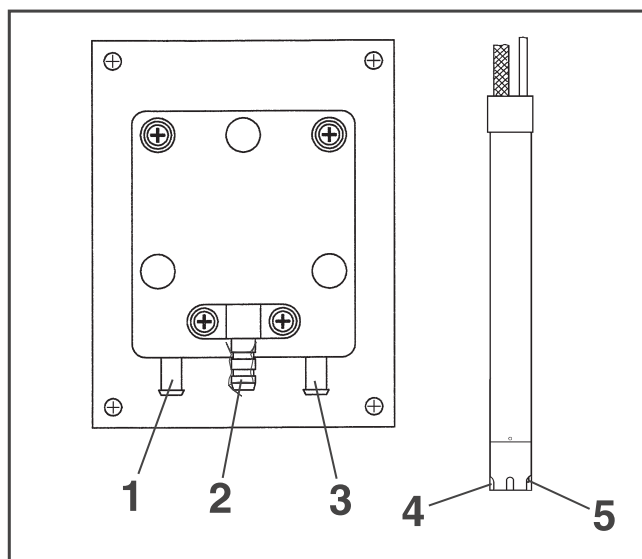
2 Cottons 140 °F (60°C)

are programmed to rinse with hot water.

If a hot water supply is available it is an advantage to run the final rinse with hot water. This reduces the residual moisture content of the laundry after spinning.

If the laundry is dried or ironed immediately after washing, drying times will be shortened and ironing easier.

Dispenser pump and Suction pipe



- 1** = Hose connection socket (suction side)
- 2** = Hose connection socket (pressure side)
- 3** = Leakage outlet
- 4** = Suction inlet opening
- 5** = Level indicator

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

```
PROGRAMME  --  -----
                PROGRAMME STOP
                DISPENSING SYSTEM FAULT
                Dispensing container 1 empty.
```

The display will indicate that the detergent dispenser is empty.

The program will continue automatically once the container has been refilled.

Amount to be dispensed

- Follow the detergent manufacturer's guidelines.

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 adverse chemical reactions and material damage.

If in doubt, contact the detergent manufacturer to verify its safety in this machine.

Correct dosage also depends on the viscosity of the liquid detergent. It should stand at normal room temperature before being used.

Maintenance of the dispensing system

- Rinse the dispensing system through with hot water every 2 weeks, or before shutting the dispenser pumps down for any length of time, to prevent the system clogging.
- Rinse out the suction pipes with water.
- Put the suction pipes in a container with warm water, 104 - 122 °F (40 - 50 °C) .
- In Service-Operation program turn on each pump, until the dispensing system is rinsed through.
- Check the connection points, hoses and washers for leaks.

Liquid dispensing

Priming the dispensing pumps

Before the liquid dispensing pumps can be used the liquid detergent must be drawn into the system and the amount to be dispensed set. Access the Service-Operation program to do this.

Drawing in the liquid detergent

- Insert the suction pipes into the liquid detergent containers.
- Turn off the washer-extractor.
- Turn the access selection key to position **B**, "Operation" and set the program selector to 24.
- Turn on the washer-extractor, and within 4 seconds, press the  "Prewash" button 4 times in quick succession. This brings you into Service-Operation.

SERVICE-OPERATION
>SERVICE PROGRAMMES< MACHINE DATA
After selection press Start button. 

- Press .

SERVICE-OPERATION	SERVICE PROGS
SERVICE PROGRAMME	>1<
After selection press Start button. 	

- Select SERVICE PROGRAMME 2 with the  "Plus" button and press the  "Start" button.

SERVICE-OPERATION	SERVICE PROGS
SERVICE PROGRAMME	2
Dispenser valve >D1<	Disp. time 0 secs.
After selection press Start button.	

- With the  "Plus" button select D1, with the  "Cursor" button move to the input field for dispensing time and with the  "Plus" button set a dispensing time of approx. 20 seconds. Press , and the hoses of pump 1 will be filled.

SERVICE-OPERATION	SERVICE PROGS
SERVICE PROGRAMME	2
Dispenser valve >D1<	Disp. time 20 sec.
Cancel with the End button.	

- Cancel with the  "End" button.

Repeat the whole process with the other pumps.

SERVICE - OPERATION
>SERVICE PROGRAMMES< MACHINE DATA
After selection press Start button. 

- Press the  "Start" button, select the SERVICE PROGRAMME 2, and press  "Start" again.

To exit Service-Operation:

- Press  "End" and turn off the machine.
- Turn on the machine and select Program 8, Separate Rinse and Spin, to flush the proofing agent out of the machine.

To adjust the amount dispensed by the pumps

The amount to be dispensed is measured in liters in the Service Program. The dispensing time is then set in key access position **C** "Programming".

- Put the suction pipe into a deep measuring container with sufficient liquid detergent and keep it at the full level.
- Continue as for **Drawing in liquid detergent**

Peak load cut-out

When the peak load (overload) cut-out function is activated the heating is switched off and the program is stopped. The following message appears in the Display:

PROGRAMME 1	COTTONS
PROGRAMME STOP	
PEAK LOAD CUT OUT ACTIVE	

If the set temperature has not been reached, the program sequence is stopped.

When the peak load cut out function is finished the program automatically carries on from where it was left off.

PC- Printer connection:

The machine can be connected to a PC or printer using an SD kit.

PC-Operation:

Program changes can be made via a PC, or a new program can be downloaded. This requires a special Editor Program which is available from the Miele Professional Department.

Printer-Operation:

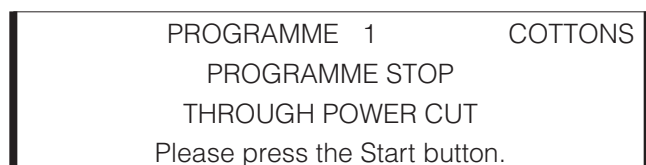
It is possible to print out whole programs or parts of programs. See "Programming Instructions".

Problem solving guide

Power failure - Emergency door release

With a short power failure:

The program remains in the last position, and when power is restored the following message appears in the display:

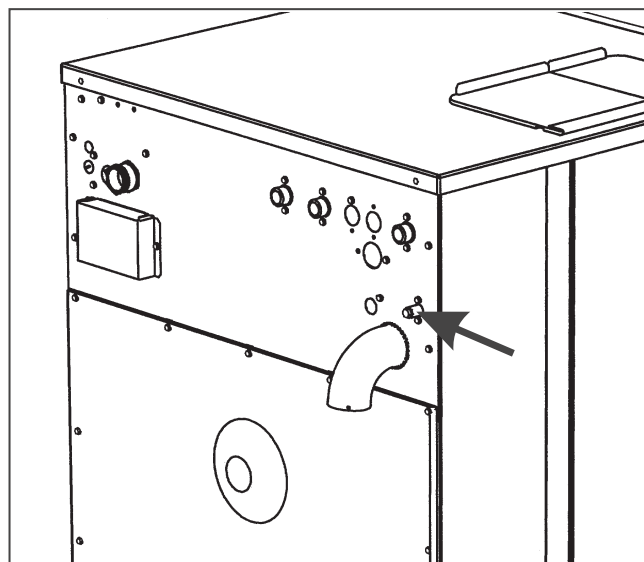


- Press  "Start", to continue the program.

With an extended power failure:

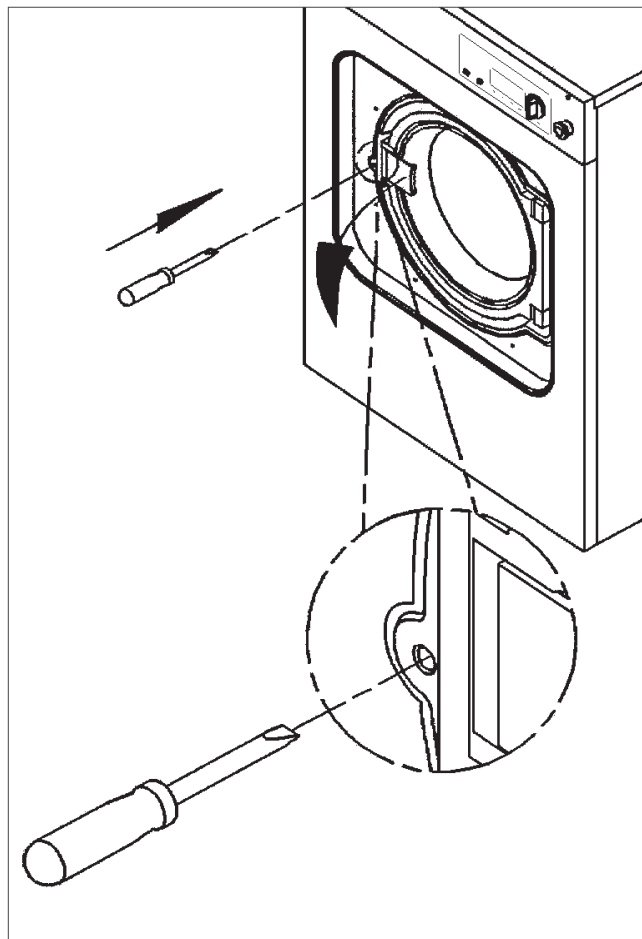
- Turn off the machine.
- Switch off the main power supply at the wall switch.
- Turn off the on site water or steam valves.

To remove the laundry the drain valve will need to be opened manually and the drum door unlocked manually.



- Open the drain valve by partially opening the venting screw.
- Use a wrench at the rear of the machine, but do not unscrew completely. Drain off the suds.

- Be careful, some water will seep out of the screw opening. Catch water in a suitable container.
- Tighten up the venting screw and check that there is no leak.



- First position the screwdriver in the opening, push in and hold firm.
- Press against the door handle with your right hand, and then pull on the door handle to open the door.

Never use force to open the door.

- Take out the laundry.

Fault messages

Repairs should only be performed by a qualified technician in accordance with applicable codes and standards. Repairs and other work by unqualified persons could be dangerous and the manufacturer will not be held responsible.

Faults that occur before or after the start of a program are shown in a flashing display.

PROGRAMME 1 COTTONS
PROGRAMME STOP
THROUGH POWER CUT
Please press the Start button.

- When power is restored press  "Start".

This fault message can also indicate that the winding protection of the drive motor has overheated.

- Allow the motor to cool down.

PROGRAMME 1 COTTONS
PROGRAMME STOP
WATER INLET FAULT
Open water stopcock and press Start button.

- Open up the water stopcock (valve) and press  "Start".

PROGRAMME 1 COTTONS
PROGRAMME STOP
DRAIN FAULT
Clean drain system and press Start button.

- Check the drainage system on site and press  "Start". A defective drain valve should only be repaired by an authorized service technician.

PROGRAMME 1 COTTONS
PROGRAMME STOP
HEATING SYSTEM FAULT
Short circuit on heater sensor 1.

- Call the Miele Technical Service Department.

PROGRAMME 1 COTTONS
PROGRAMME STOP
HEATING SYSTEM FAULT
Cut-out of heating sensor 1.

- Call the Miele Technical Service Department.

PROGRAMME 1 COTTONS
PROGRAMME STOP
HEATING SYSTEM FAULT

- Call the Miele Technical Service Department.

PROGRAMME 1 COTTONS
PROGRAMME STOP
DRIVE SYSTEM FAULT
Multiplug drive variants lacking.

- Call the Miele Technical Service Department.

95 °C PROGRAMME 1 COTTONS
Main wash 20 °C
Rinses 1
DRIVE SYSTEM FAULT



- Call the Miele Technical Service Department if there is no drum movement after this message.

PROGRAMME 1 COTTONS
PROGRAMME STOP
PEAK LOAD CUT OUT ACTIVE

At the end of the peak load cut out function the program continues automatically.

PROGRAMME 1 COTTONS
PROGRAMME STOP
IMBALANCE SWITCH
Press the On-Off switch.

- Press  "Power off" and  "Power on".

Problem solving guide

PROGRAMME 1 COTTONS
PROGRAMME STOP
PRESSURE MONITOR FAULT

- Call the Miele Technical Service Department.

PROGRAMME 1 COTTONS
PROGRAMME STOP
DISPENSING SYSTEM-FAULT
Dispensing container 1 empty.

- Change the dispensing container.

PROGRAMME 1 COTTONS
PROGRAMME STOP
HEATER SYSTEM FAULT
Dry step switch has cut out.

- Call the Miele Technical Service Department.

Possible reasons for excessive suds:

Detergent type

- Only use detergent formulated for use in commercial washer-extractors. Domestic laundry detergent is not suitable.

Overdosing of detergent

- Dispense detergent following the detergent manufacturer's instructions on the packaging and adjust to local water hardness levels.

Detergent creates too many suds

- Use a low sudsing detergent or contact your detergent application specialist.

Very soft water

- In areas with soft water dispense less detergent.

Soiling level of the laundry

- For lightly soiled laundry dispense less detergent.

Residues, e.g. detergent left on laundry

- Run an additional Prewash without detergent and without selecting a temperature.

Laundry which has been soaked before washing must be thoroughly rinsed before running a wash program.

Small loads

- Reduce the amount of detergent dispensed according to the size of the load.

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

- Reduce the drum speed and wash rhythm.

Water hardness levels

Hardness range	Water quality	Hardness level in ppm*	Hardness level in gr/gal*
I	soft	0 - 130	0 - 7
II	medium	131 - 250	7 - 14
III	hard	251 - 380	14 - 21
IV	very hard	over 380	over 21

*) Contact the local water authority for the hardness level of the water supplied to the machine.

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

Miele Technical Service

USA 1-800-999-1360
techserv@mieleusa.com

CDN 1-800-565-6435
service@miele.ca

When contacting Technical Service please quote the model and serial number of the machine.

These can be found on the data plate with the door open,

➔	Typ	
➔	Fabr.-Nr.	
	Art.-Nr.	➔ M.-Nr.
	IBN	

or at the rear of the machine towards the top.

➔	Typ		
➔	Fabr.-Nr.		
	Art.-Nr.		
➔	M.-Nr.		
	☐		
	☐		
	☐		
	☐		
			
			

Cleaning and Care

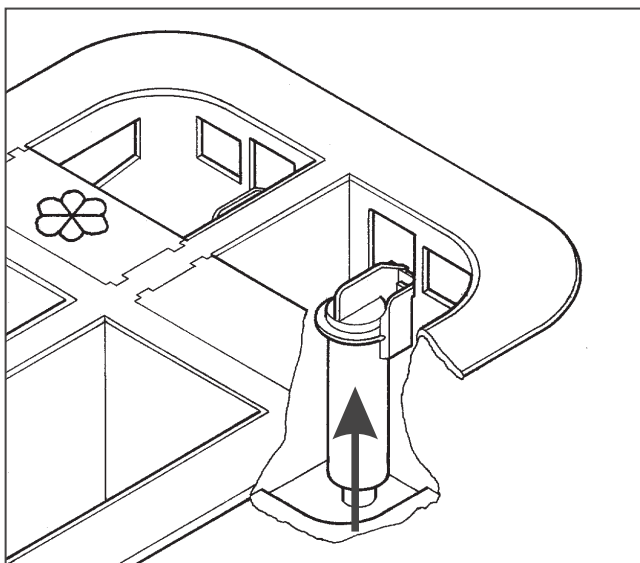
After each use

Never use high pressure cleaners to hose down the machine.

The machine should be cleaned immediately after use.

After use the detergent dispenser should be cleaned with warm water to remove any detergent residues.

The siphon tubes in the dispenser compartments should also be cleaned.



- Pull the siphon tubes upwards to remove for cleaning in warm water. Replace in the reverse order checking that the siphon tubes are hooked in correctly.

Cleaning the exterior

⚠ Never use abrasive cleaners, scouring pads, steel wool or caustic cleaners on the washer-extractor. They will damage the surface.

Plastic

All plastic surfaces and the control panel can be cleaned with warm water and liquid dish soap applied with a soft sponge.

- Wipe dry using a soft cloth.

⚠ Do not use too much water when cleaning the controls. Water could penetrate into the electronics and cause damage.

Stainless steel

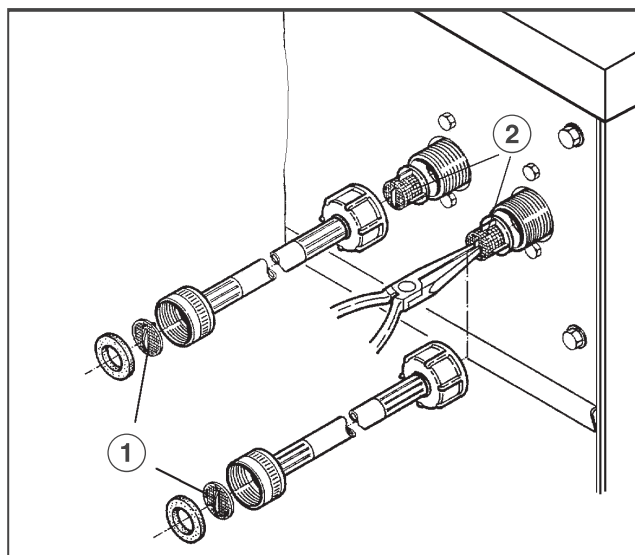
Stainless steel surfaces can be cleaned using a non-abrasive stainless steel cleaner.

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

- Apply sparingly with even pressure.

Cleaning the drum

The drum is made of non-rusting stainless steel. It is however possible that water with a high iron content or foreign bodies in the wash, (e.g. paper clips or metal buttons), may lead to the formation of superficial rust spots especially, if the machine is not used for some time. If this occurs the drum can be cleaned with a scouring powder.



- The filters (1) and (2) of the water inlet hoses should be checked periodically and cleaned if necessary.
- After use do not shut the drum door but leave it slightly ajar, to allow the machine to dry out.

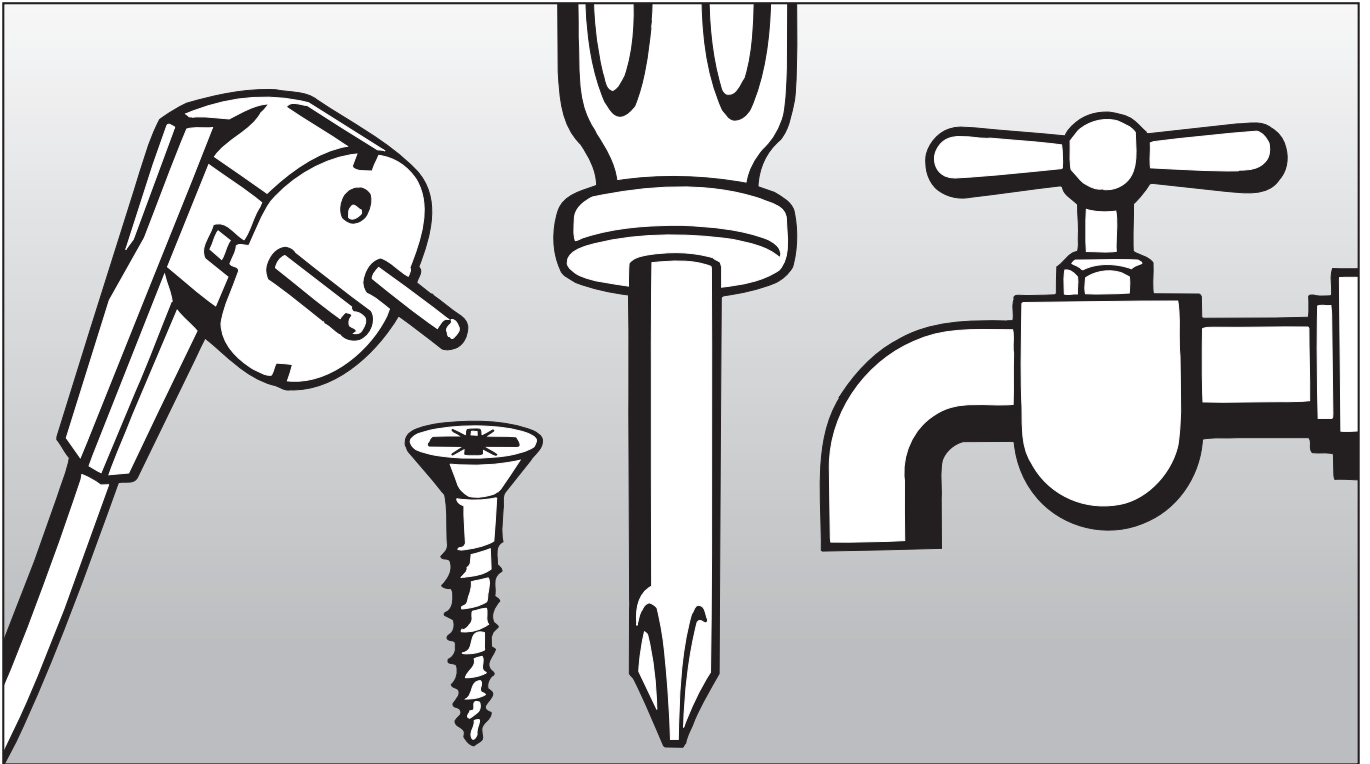
Guide to the symbols on the data plate

1	Typ		14	15	16	20
2	Fabr.-Nr.					IBN
	Art.-Nr.					
3	M.-Nr.				Total	Total
4						17
5						
6						18
8			Q _n (Hi)			
9			DVGW-Reg.-Nr.			21
10	Vol. /G	/				
11	E _{kin}					
12	0 →→→ 1/min					
	→→→ 0 1/min					
		13	19		22	

1	Typ	
2	Fabr.-Nr.	
	Art.-Nr.	M.-Nr.
20	IBN	

- | | |
|---------------------------------------|---|
| 1 Machine type | 13 Braking time |
| 2 Serial number/year of manufacturer* | 14 Heating |
| 3 Voltage/Frequency | 15 Electric heating |
| 4 Control fusing | 16 Fusing (on site) |
| 5 Drive motor | 17 Steam heating indirect |
| 6 Plate diameter/Plate quantity * | 18 Steam heating direct |
| 7 Drum data | 19 Gas heating |
| 8 Drum diameter/Drum depth * | 20 Commissioning date |
| 9 Spin speed * | 21 Water-Registration
DVGW-test cert (Water) |
| 10 Drum volume/Laundry dry weight | 22 Field for CE test symbol /
(Product ID-No./Gas) |
| 11 Kinetic Energy | |
| 12 Ex. time to top speed | |
- *does not apply to WS 5101 / WS 5141

Installation instructions



Installation

This machine is for use only with articles which have not been treated with dangerous or flammable substances.

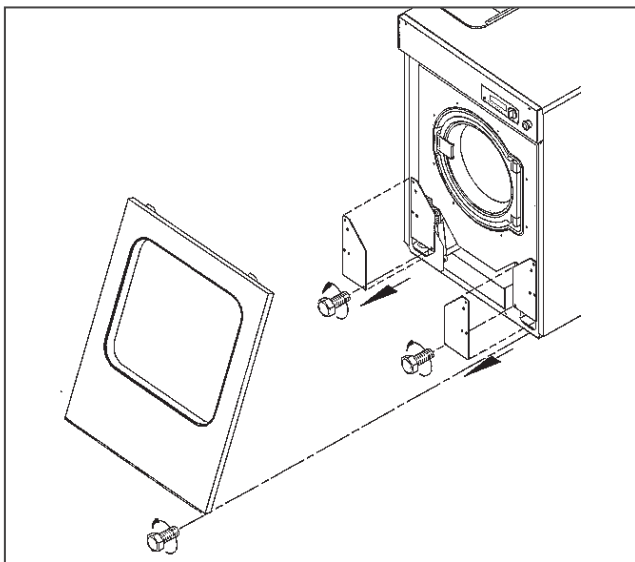
To prevent frost damage do not install this machine in a room exposed to frost.

It is essential that the machine is level, and secured (see installation diagram supplied).

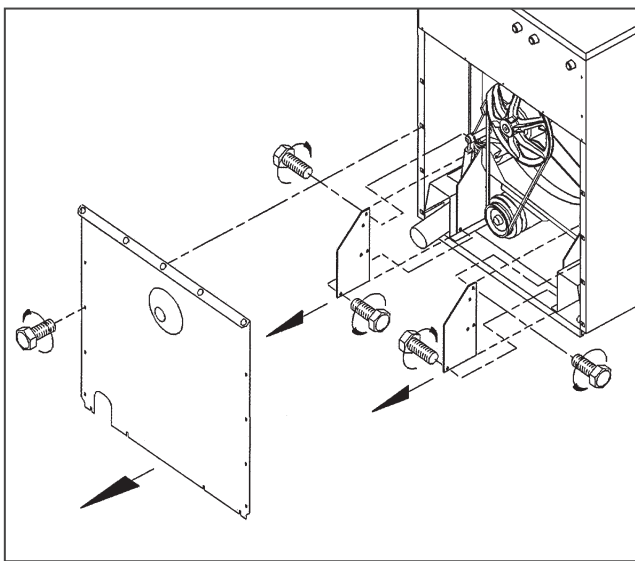
The machine must not be moved without all the outer panels in place.

Shipping struts

Once the machine has been set in its final position the red-marked shipping struts must be removed. Ensure they are removed before using the machine.



"A" (2 at the front) and



"B" (2 at the rear) on the diagram.

The shipping struts should be stored in a safe place for future use. They must be re-fitted if the machine is moved.

Please take note of the installation diagram and instructions supplied. They are important for the proper connection of supplies.

Plumbing

The water hook up is by a water valve, which conforms with local and national regulations. This work must be carried out by a Miele authorized service technician.

To ensure the machine is correctly connected please follow the installation plan and the installation instructions supplied with the machine.

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

To ensure the hot water inlet hose (marked 194°F/90°C) lasts for many years, do not hook the hose up to a hot water connection supplying water hotter than 158°F/70°C.

This hose should only be replaced with a genuine Miele spare parts.

A water pressure flow rate of at least 30 psi (2 bar), maximum 145 psi (10 bar) is required.

Water taken into the machine must not exceed a temperature of 158°F/70°C.

Connection to cold water only
See the Installation diagram supplied

Electrical connection

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

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

The machine is supplied as standard for connection to a 208 V, 60 Hz, 20 A, single-phase electricity supply.

The electric heater rating is factory preset to 15 kW.

The minimum suds level required for activating the heating is given in 50 mm column of water.

The motor has an overload protection switch.

Connection should be made via a suitable, approved isolator, with an on-off switch easily accessible for servicing.

WARNING
THIS APPLIANCE MUST BE GROUNDED !

Steam connection

Steam connection must only be undertaken by an authorized Miele installer.

All removable outer housing parts must be refitted after the machine has been installed and the necessary connections made to on-site supplies.



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