Operating Instructions Manual for
LOGI CONTROL
LOGI PRO CONTROL

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EN
LOGI
LOGIPRO
control

Cod. 523340
Rev. 11/1218

Model	From serial no.
High speed	
HS-6008	2,080,884
HS-6013	2,110,200
HS-6017	2,120,320
HS-6023	2,140,001
HS-6024	2,390,001
EH020	1,430,001
EH030	1,460,021
EH040	1,470,060
EH055	1,490,001
EH060	2,400,001
Medium speed	
RMS610	2,021,494
RMS/RMG613	2,330,000
RMS/RMG617	2,340,000
RMS/RMG623	2,350,000
RMS/RMG628	2,410,001
REM025	1,371,423
REM/RMG033	2,360,000
REM/RMG040	2,370,000
REM/RMG055	2,380,000
REM/RMG070	2,420,001

CONTENTS

IMPORTANT SAFETY INSTRUCTIONS

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

1. **READ** all instructions before using the machine, and **KEEP** them in a prominent location for customer use.
2. Do not wash articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry cleaning solvents, and other flammable or explosive substances as they **GIVE OFF VAPOURS** that could ignite or explode.
3. **DO NOT ADD** gasoline, dry-cleaning solvents, or other flammable or explosive substances to the wash water. These substances give off vapours that could ignite or explode.
4. Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for two weeks or more. **HYDROGEN GAS IS EXPLOSIVE**. If the hot water system has not been used for such a period, before using the washing machine, turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.
5. Do not allow children to play on or in the washer. **CLOSE SUPERVISION** of children is necessary when the washer is used near children.
6. Before the washer is removed from service or discarded, **REMOVE** the door.
7. **DO NOT TRY TO OPEN THE WASHER'S DOOR** if the drum is moving.
8. Do not install or store the washer where it will be exposed to the **WEATHER**.
9. **DO NOT TAMPER** with controls.
10. **DO NOT REPAIR OR REPLACE** any part of the washer or attempt any servicing, unless this is specifically recommended in the user instructions or in published user-repair instructions that you understand and have the skills to carry out.
11. **DO NOT REMOVE** any safety device **OR MODIFY OR MANIPULATE** any component or part of the machine. **DO NOT INSTALL** any extra elements inside the machine.
12. Any part of the machine that is replaced may affect its operation and the user's safety. For this reason, **USE ONLY THE MANUFACTURER'S ORIGINAL SPARE PARTS**. Failure to comply with this warning can cause serious accidents, malfunctions and the loss of the machine's guarantee and certifications.
13. Failure to comply with or observe the legislation and regulations covering health, safety and prevention of risks in the workplace applicable in the country where the machine has been installed, or actions contrary to common sense, **MAY CAUSE** personal injury or even death to the user.
14. The machine should only be used for those purposes established by the manufacturer and following the instructions for use set out in the instruction manuals. Any use not specified in the manuals may lead to additional risks. Pay special attention to information headed DANGER, WARNING and PRECAUTION.
15. The room where the machine is located **MUST** comply with the environmental conditions (air venting, temperature, humidity, etc.) specified in the technical specifications table. NEVER INSTALL THE MACHINE IN ENVIRONMENTS where it will be splashed with water or where there is a very high level of humidity in the atmosphere.
16. Clearly mark out danger areas and **PREVENT** public access to them when the machine is operating. Do not expose yourself to drainage areas or to vapour, condensation, combustion gas or ventilation outlets.
17. All machines working at temperatures present a fire risk. Take **EXTREME** care: **CLEAN** the machine of inflammable materials: lint, fluff, soot, etc. on a regular basis. **KEEP** the environment free of combustible materials and **PLACE** suitable extinguishers near the machine in easily accessible places.

18. All installations required for the proper operation of the machine **MUST** be carried out by a duly accredited Registered Installation Contractors (see Note 3), in compliance with the legal regulations applicable in the country of use.
19. The machine **MUST** be commissioned by the Authorised Technical Service in the presence of the Customer Technical Service (see Notes 2 and 4) or a responsible person appointed by the customer.
20. This machine **MUST BE USED** by personnel who are properly trained in how to use it (see Note 1).
21. **NEVER** START THE MACHINE, OR USE IT, IF THE FOLLOWING ARE ABSENT, INCORRECTLY POSITIONED OR MALFUNCTIONING:
    - COVERS (GUARDS) AND PROTECTIVE DEVICES
    - SAFETY DEVICES
    - CONTROL ELEMENTS
22. **DO NOT USE** the machine if you notice any abnormal noise or smell or if you suspect that the machine is faulty or defective.
23. The inspections required by the regulations applicable to the country where the machine is being used must be carried out. It is advisable to request an overall, detailed service of the machine by the Authorised Technical Service every year (see Note 2).

24. **WARNING!!**
INSPECTION, MAINTENANCE OR REPAIR OPERATIONS

Before carrying out any action on the machine:
- Close and mechanically lock the manual fluid supply valves.
- Check that the bath has **COMPLETELY** drained, that no part of the machine is at a high temperature and that no circuits or containers are under pressure.
- Check that all the machine's moving parts are halted or in their rest position. Securely fix all the machine's moving parts that could cause an accident.

To reduce the risk of electric shock:
- **COMPLETELY** disconnect the machine from the mains power supply and take steps to prevent accidental reconnection. **TURNING OFF THE ON SWITCH OR PRESSING THE STOP KEY IS NOT ENOUGH.**
- Disconnect the electrical connection of any circuit external to the machine; for example external dosing equipment, central vending units, linen feeders or folders, etc. The electrical connection for these circuits is independent of the machine's electrical connection.
- To prevent the risk of electrical discharge caused by residual voltage, wait at least five minutes before removing any guard or cover from the machine.

Failure to follow these warnings may cause a serious accident.

25. **CONTACT** the Installation Contractors or the Authorised Technical Service (see Notes 3 and 2) in the event of any doubt, anomaly or problem.
26. It is advisable to copy and enlarge the **SAFETY INSTRUCTIONS** and place them in a visible place in the laundry.
27. **THE MANUFACTURER ACCEPTS NO RESPONSIBILITY IF THESE SAFETY INSTRUCTIONS AND ALL THE INFORMATION IN THE CORRESPONDING MANUALS ARE NOT FOLLOWED.**

SAVE THESE INSTRUCTIONS.

SYMBOLS USED IN MACHINE LABELLING

Electrical risk
Protective guard for elements carrying an electric current.

High temperature risk
Handle with caution.
Use adequate protection.

Mechanical risk
Protective guard for moving parts.

Risk of inhaling harmful or irritant vapours
Keep the doors/covers closed.
Use adequate protection.

Flame risk (only on some machines)
Protective guard for flame.

Risk of falling
Use proper access and safety methods.

Access prohibited

Refer to instruction manual/booklet

SYMBOLS USED IN THIS MANUAL

Symbol used to highlight a possible HAZARD, WARNING or NOTE.

This symbol is used to emphasise a particular explanation.

TRANSLATION OF THE ORIGINAL MANUAL

NOTES:

(1) **Trained personnel** refers to those who have read and understood the Instruction Manual, who have been trained by the Authorised Technical Service or by a representative of the customer present at the start-up who is familiar with the operation of the machine and is authorised to use it.

(2) **Authorised Technical Service (ATS)** is one that has been recognised under contract and properly trained by the manufacturer.

(3) **Registered Installation Contractors** are those officially approved by the government of the country the machine is to be installed.

(4) **Customer Technical Service (CTS)** is one that has been authorised by the customer and which has sufficient basic technical knowledge to correctly interpret and carry out the actions attributed to it in this manual. The manufacturer strongly recommends that the customer should have its own technical service, particularly in laundries with large-scale machinery installations.

IMPORTANT INSTRUCTIONS FOR USE AND PRESERVATION

1. **INTENDED USE OF THE MACHINE AND INAPPROPRIATE USE**. This machine is designed and intended solely for processing fabrics washed in a water bath or that have been previously treated in these conditions. Any use other than this is contraindicated without written authorisation from the manufacturer.
2. Maximum output, performance, reliability and durability are achieved when the machine is installed, used and maintained correctly, and if a comprehensive and detailed service is carried out annually by the Authorised Technical Service.
3. The machine's **MATERIALS** that are in direct contact with the chemical products involved in treating the linen are detailed in the manual.
4. The user must consult the supplier of the chemical products USED THROUGHOUT THE WHOLE LINEN TREATMENT PROCESS regarding the risks associated with its products and their combination. It must be confirmed that the products are not flammable, **ARE MUTUALLY COMPATIBLE**, and that they will not cause oxidisation or deterioration of the machine or any injury to the people using them.
   It should be noted that, under certain conditions of use, hypochlorite (bleach) generates chlorine gas.
   Chlorine is a corrosive, oxidising substance which, at high concentrations and temperatures, damages stainless steel and elastomers.
   This same effect can also be caused by other strongly oxidising agents, including ozone.
5. **FOLLOW** the treatment recommendations for each fabric indicated by its manufacturer. **THE MANUFACTURER OF THE MACHINE accepts no responsibility for damage caused by inappropriate treatment of a fabric**.
6. Periodically **CLEAN** the outside of the machine to prevent damage to its metal parts. This will improve safety and extend its life. To clean the machine, use water and detergent. Rinse with a damp cloth and then dry off. To remove accumulated lint, use a suitable vacuum cleaner. **Water jet or pressurised steam cleaning is prohibited.**
7. **NEVER** use aggressive products to clean the machine or the premises. There are products on the market that give off highly corrosive vapours.
8. If the machine is left idle for long periods of time, it must be thoroughly **PROTECTED** from humidity and temperature variations.
9. Faults arising from improper machine operation may **VOID THE WARRANTY.**
10. When asking for information on your machine, **MENTION** the model and serial number. This information can be found on the specification nameplate incorporated into the machine.

With every machine, the manufacturer provides all the necessary technical information and documents required for its use. **KEEP IT IN GOOD CONDITION**.

1. INTRODUCTION AND APPLICATION

This manual contains the OPERATION, PROGRAMMING and ADVANCED USE MODE instructions for washing machines with LOGI CONTROL and **LOGI PRO CONTROL** systems.
Most of the contents in this manual are common for both controls. However, the information on PROGRAMMING and ADVANCED USE MODE is specific for each control. See the Contents section.

Application
This manual applies to the following models:

LOGI CONTROL.
Applicable to HS-6, EH models with software version 25 or higher
Applicable to RMS and REM models (except REM025) with software version 01 or higher.

LOGI PRO
Applicable to HS-6008, RMS610, RMG, EH020, REM025 and RMG models with software version 01 or higher.

2. DESCRIPTION

Washer extractor designed to wash or treat fabric in a water bath.

2.1. Intended use of the machine and inappropriate use

This machine has been made and designed for treating textile materials in a water bath. These textile materials must be free of flammable or explosive products. Unless approved by the manufacturer in writing, it is not considered appropriate for any other use.
Under-loading as well as overloading is not recommended. Always endeavour to match the capacity of the machine.
It is not advisable to insert bags full of laundry. Where necessary, load the machine up to its set limit.
It is not recommended to spin carpeting, canvas or waterproof fabrics.

2.2. Construction characteristics

- **HIGH SPEED MODELS (HS / EH).** Washing machines capable of spinning at a speed higher than 350G (280G in model HS-6008/EH020) without needing to be bolted down. The design of its suspension system cushions up to 95% of the vibrations produced during the spin cycle.
- **MEDIUM SPEED MODELS (RMS/REM/RMG).** Hard-mount construction. They have to be bolted down to the floor.
  - Approximate spin speed: 125G, 150G, on models **RMS, REM**.
  - Spin speed: 200G on models **RMG**.
- Stainless steel **inner and outer drum.** The openings in the drum blades promote the uniform distribution of bath water and improve the yield of the washer both during the wash and the rinse cycles.
- **The drum rotation is produced by an asynchronous AC motor** controlled by an inverter.
- **The hot and cold water connections** have a safety mechanism to prevent contaminating by back-flowing into the general drinking water system.
- Large capacity **drain valve.** (Option for pump drainage in models HS-6008/EH020).
- **Water inlets** and all product dispensers made using a common collector with an anti-siphon mechanism.
- **Option for heating** the bath using electric heaters or steam injection.

2.3. Protection, safety and control elements

- **Fixed guards**: Covers. These prevent access to dangerous points or moving parts. Protect from accidental machine spattering.
- **Moving guards:**
  - Dispenser cover.
  - Door with interlock microswitch, door lock and delayed opening.
- **Overflow**. When the bath level is exceeded due to solenoid valve failure, the bath is drained through the drain outlet.
- **Thermal fuse** to protect the electric heaters.
- **Emergency stop**: a red button on a yellow background, located at the front of the machine. Stops the machine from operating and opens the drain valve (applicable in models with a load equal to or exceeding 13 kg / 30 lb.)
- **Electric circuit safety measures:** To protect the electric circuit against external malfunctions and prevent any malfunctioning from causing harm to the operator.
- **Sound alarm**: Among other functions, the acoustic signal warns of possible alarms.
- **Unbalance microswitch**. (Only in high speed models). Additional electromechanical safety to protect against unbalance of drum load during the spin cycle.

2.4. Safety functions

- **Bath level control.** Allows selecting different bath levels during the wash cycle and controls the overflow safety and minim level of connection to the heating system and door opening.
- **Temperature control.** Allows selecting the bath temperature during the wash cycle and controls the bath insufficient temperature and overheat safeties.
- **Unbalance control**. Repositioning of the washer's load if the inverter power control detects unbalance.
- **Door opening safety.** Allows the opening of the door in safety conditions.
- **Safety measures against entrapment**. To reduce the risk of a child becoming trapped inside a washing machine while playing, or to help in freeing them during the first moments of launching a program, the running sequence of a wash cycle is as follows:
  After giving the start order, a 30-second security time is started during which the drum rotation and the water inlet operate at short impulses and door remains released. Further information in Sections: Freeing a trapped person (Chapter 9) and Stopping methods (Chapter 4)

2.5. Characteristics of the controls

- Operation of the washer controlled by microprocessor.
- Operation of the washer adaptable to the possibilities of the installation and the needs of the user.
- Great versatility in individually modifying the content of each program. Further information in specific sections of the advanced use mode.
- Temperature control achieved by the hot and cold water mixer in accordance with the programmed temperature and the activation of the heating system. Precision of +/- 2 ºC (+/- 3,5 ºF).
- Level control achieved using an electronic pressure transmitter.
- Series communication between the washer microprocessor and the inverter’s control of the motor.
- Multiple controls that assure the safe use of the washer.

3. MODES OF USE

LOGI CONTROL and **LOGI PRO CONTROL** present TWO MODES OF USE.

PROGRAM EXECUTION MODE
Covers the functions or interventions aimed at:
- Selecting and executing the various wash programs.
- Programming the delayed start of a program.
- Accessing information about the different functions that the washing machine is executing.
- Making small specific modifications to the program being executed.

Information regarding this intervention mode: Chapter 4 of this manual.

ADVANCED USE MODE
Covers the functions or interventions aimed at:
- Modifying or displaying the content of the washing programs.
- Consult the software version for the washer and the contents of the different program meters.
- Modifying the general operating parameters.
- Modifying the access code for Advanced use mode.
- Setting the time of the system clock (optional).
- LOGI CONTROL models. Information regarding this intervention mode: Chapter 5 and 6.
- LOGI PRO CONTROL models. Information regarding this intervention mode: Chapter 7 and 8.

4. PROGRAM EXECUTION MODE

4.1. LOGI CONTROL control panel

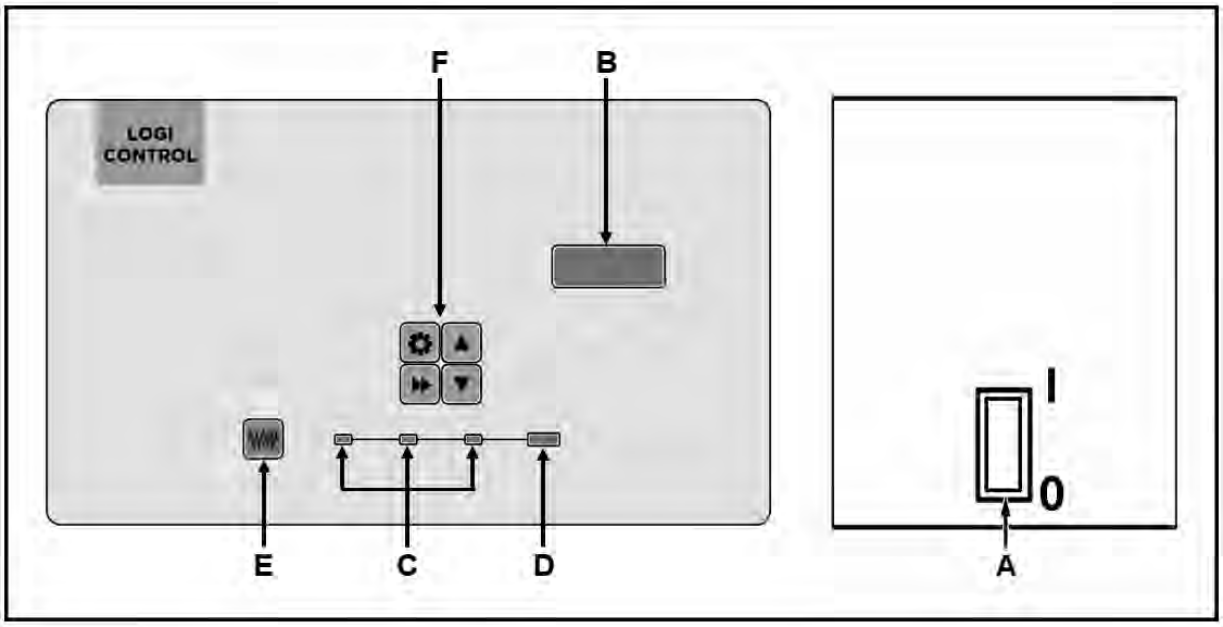

Fig. 4.1

CONTROL PANEL		
A		**ON** switch
B		Display
C		LEDs indicating the phase of the program in progress
D		LED indicating end of cycle
E	START STOP	Starting and stopping a program
F		Access to the ADVANCED USE MODE Start program delay (option)
		Modification of the program in progress
		Selection and movement keys

4.2. LOGI PRO CONTROL control panel

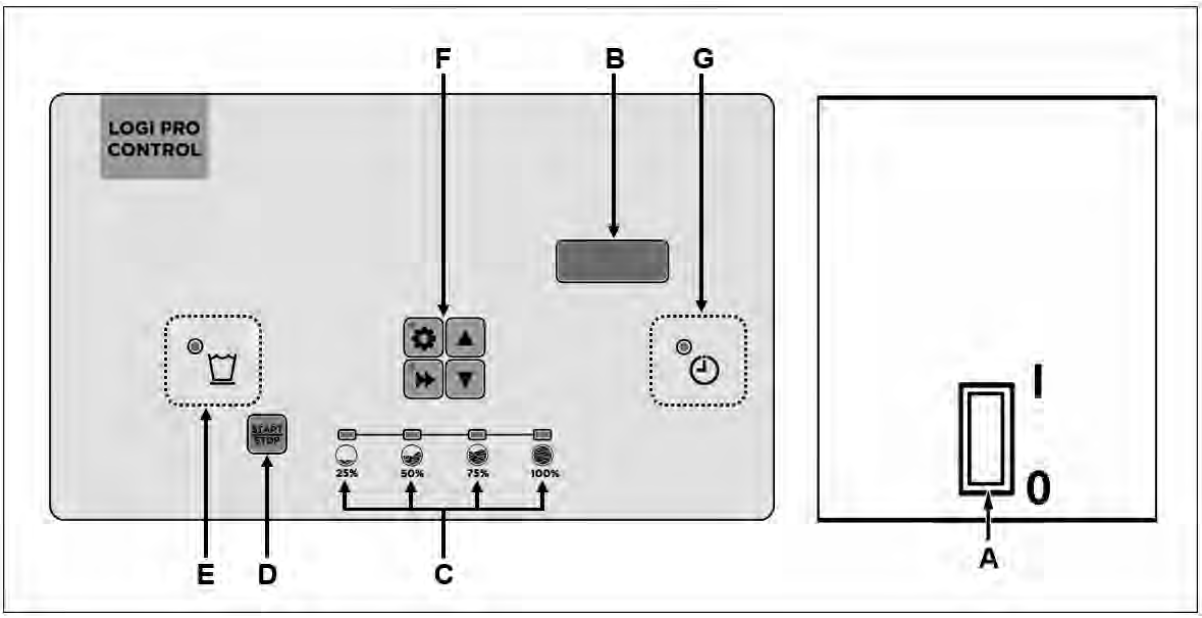

Fig. 4.2

CONTROL PANEL		
A		**ON** switch
B		Display
C		Load selection indicator LEDs
D	START STOP	Starting and stopping a program
E		Access to the ADVANCED USE MODE Start program delay (option)
		Modification of the program in progress
		Selection and movement keys
F		Rinse hold function activated
G		Start delayed program

4.3. Stop modes

4.3.1. End of cycle

The acoustic warning and the ***End*** report on the display inform the user that the program has finished and that the door lock is released.

4.3.2. Interrupting a program

A. START STOP **Key**. This key interrupts a washing program. ***STOP*** appears on the display. Once the safety delay has finished, the acoustic warning and the ***End*** report on the display inform the user that the program has finished and that the door lock is released.

B. Emergency stop

(Except on models with a load of less than 13 kg / 30 lb)

Pressing the **EMERGENCY** switch once interrupts the washer operation and opens the drain valve. The corresponding alarm report appears on the display.

After a delay of approximately 3 minutes, the door is released.

To resume the wash cycle, release the switch and press the START STOP key **ONCE**.

To cancel the wash cycle, release the switch and press the START STOP key **TWICE**.

C. Other stopping methods include:

- Disconnecting the **ON/OFF switch**
- Disconnecting the **SWITCH DISCONNECTOR**
- Disconnecting the **EXTERNAL AUTOMATIC SWITCH**

We do not recommend these stop methods, except in an emergency. In these cases, as long as the door remains closed, the machine will understand that there has been a power failure. When the power is switched back on, the machine will resume the program in progress.

When a washing program is interrupted by electrical power failure, disconnecting the switches described in this section, or activating the Emergency Stop, the door lock mechanism stops being controlled by the microprocessor and the opening of the door is thermally delayed. In these circumstances, it is normal to have a washer delay or inactive time of about 3 minutes.

Never disconnect these switches to rescue a person trapped inside the washing machine. See information with regard to this in Chapter 9.

D. Interruption of the power supply. The operation of the washing machine is interrupted: the drain valve opens and after a delay of approximately 3 minutes, the door is released.

If the door remains closed when the power supply is re-established, the wash cycle is resumed.

If the door is open, the wash cycle is cancelled.

On machines with pumped drain, the disconnection of the external automatic switch or the ON switch does not allow the bath to drain.

4.4. Unbalance control

Before starting the spin, the washing machine's electronic control checks the correct distribution of the load.
If it detects that the load is not well distributed and that can cause an excessive unbalance during the spin, the linen will be repositioned.
If there is still unbalance during the final phase spin, the washer can end the washing cycle at a reduced spin speed.

Unbalance control with a micro-switch (HS/EH models only). It is only activated in cases of extreme unbalance.

To improve the efficiency of the washer's spin, it is advisable to:

- **Load the washer up to its nominal value.**
- **Load the washer with homogeneous loads.**

4.5. Loading the washing machine

Group the fabrics to be washed into homogeneous loads, attempting wherever possible to reach the nominal value of the load. Empty all pockets, fasten buttons, close zippers and remove accessories that are not machine-washable. Mixing whites with other colours is not recommended.
Open the door and load the machine.
Washer load recommendations according to the type of fabric to be washed:

- Cotton fabrics: nominal load
- Synthetic fabrics: between 80% & 90% of nominal load
- Delicate fabrics: between 35% & 50% of nominal load

Do not overload the machine; the door must be able to close easily.
Whilst the door is open, the display reads ***door*** indicating that the door must be closed in order for the program to begin.

Health and safety instructions for loading and unloading the washer

Installing washing machines on raised bases or pedestals, in accordance with the instructions set out in the corresponding installation manuals, aids in loading and unloading the machine by avoiding the need to adopt awkward positions.
Use linen collecting and transporting containers that are of a suitable height for the washer size. Consult the dimensions of the washers set out in the corresponding installation manual.
Take care not to overload the machine. Overloading the washer leads to excessive strain when processing the linen.
Certain chemical products that are used in the washing process are toxic. Handle them with care and wear appropriate protection.
Follow the legislation and regulations for Health and Safety in the Workplace in force in the country where the machine has been installed.

4.6. Using the dispenser

Fill the compartments with the corresponding products, according to these symbols:

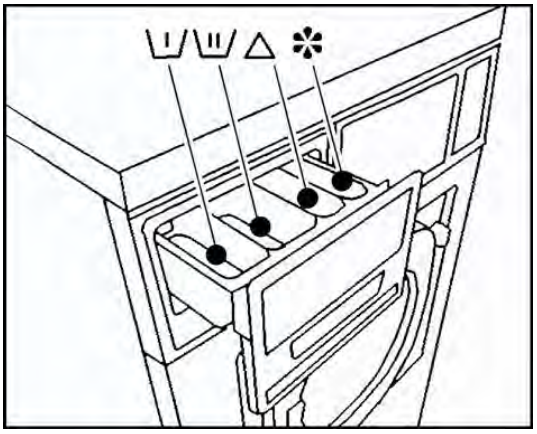

Fig. 4.3

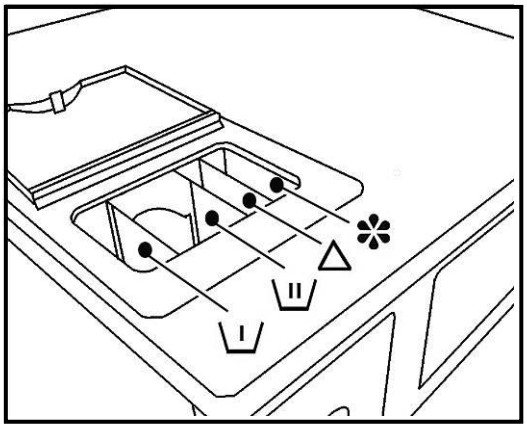

Fig. 4.4

Symbols used in the dispenser (Fig. 4.3, 4.4).

	LOGI CONTROL	LOGI PRO CONTROL
I	Powdered detergent for pre-wash	Dispensing compartment 1 (powder)
II	Powdered detergent for wash	Dispensing compartment 2 (powder)
△	Liquid bleach (chlorine, bleach, etc.)	Dispensing compartment 3 (liquid)
❀	Liquid softener / neutraliser	Dispensing compartment 4 (liquid)

IN ORDER TO OPERATE CORRECTLY AND TO PREVENT POSSIBLE DAMAGE AND SPLASHING, THE DISPENSER DRAWER MUST ALWAYS REMAIN CLOSED, EXCEPT WHEN ADDING PRODUCTS.

SUDS CONTROL
The mechanical action of front-loading washing machines improves the quality of the wash but encourages the creation of suds.
Remember that a suds bath always reduces the efficiency of your wash. ALWAYS USE CONTROLLED SUDS DETERGENT.
Models with a capacity lower than 13 kg (30 lb) incorporate a group of programmes (SP-I) for a superior rinse efficiency.
Oversudsing causes an increase in the pressure inside the machine and decreases the efficiency of the sealing systems.
Repeated washing with a large amount of suds considerably reduces the life of seals and bearings.
THIS CIRCUMSTANCE IS NOT COVERED BY THE MACHINE'S WARRANTY.

4.7. Starting a program

LOGI CONTROL

- Close the door of the washing machine. The ***door*** report on the display will change to ***Pr-**** (last executed program). (If ***Pr*** does not appear on the display, repeat the door closing operation).
- Select the desired program with the program selection keys. The selected program number will be shown on the display. (To find out the initial content of each program, see Section 5.3.: Content of the washing programs).
- Place the washing products in the dispenser and close the cover.
- After pressing the START STOP ; key, the temperature value will appear for the washing phase.
- The ▲/▼ keys enable the temperature of the program selected to be modified. (This option can be disabled in the **Mod** menu (see Section 6.7).
- Press the START STOP key again to confirm the temperature selected and start the washing program.
- Door lock. After giving the start order, a 30-second security time is started during which the drum rotation and the water inlet operate at short impulses and door remains released. At the end of this time, the locking mechanism closes and the wash cycle begins.
- While the program is running, and depending on the configuration of parameter ***dt*** in the **Mod**, menu, the display will show the various functions being executed by the washing machine or the time remaining for the program (see Section 6.7)
- Once the program has finished, the door will remain locked until the end of program LED indicator comes on and the turn and the ***End*** report appears on the display.
- If the washing temperature has been modified at the start of the program, once the program has finished the temperature returns to the programmed value.

DOOR FITTED WITH SAFETY LOCK

Never attempt to open the door if:

- the program has not finished.
- the drum has not come to a complete halt.
- the bath has not been completely evacuated.

LOGI PRO CONTROL

- Close the door of the washing machine. The ***door*** report on the display will change to ***Pr-*** *(last executed program)*.If ***Pr*** does not appear on the display, repeat the door closing operation).
- Select the desired program with the program selection keys. The selected program number will be shown on the display. (To find out the initial content of each program, see Section 7.3.: Content of the washing programs).
- Place the washing products in the dispenser and close it.
- Pressing the START STOP key will cause the ***LOAd*** report to be shown on the display. The load selection LEDs light up.
- The ▲/▼ keys allow the user to modify the machine's load selection. The load selection LEDs switch on or off depending on the load selected. (This option can be disabled in the **Mod** menu (see Section 8.7).
- Press the START STOP key again to confirm the load selected and start the washing program.
- Door lock. After giving the start order, a 30-second security time is started during which the drum rotation and the water inlet operate at short impulses and door remains released. At the end of this time, the locking mechanism closes and the wash cycle begins.
- While the program is running, and depending on the configuration of parameter ***dt*** in the **Mod**, menu, the display will show the various functions being executed by the washing machine or the time remaining for the program (see Section 8.7)
- Once the program has finished, the door will remain locked until ***End*** appears on the display.
- Once the program has finished, the load selection returns to the maximum value.

DOOR FITTED WITH SAFETY LOCK

Never attempt to open the door if:

- the program has not finished.
- the drum has not come to a complete halt.
- the bath has not been completely evacuated.

4.8. Modifying a program in progress

4.8.1. Program acceleration

You can modify the duration of a program whilst it is in progress.

- Press the key ⏩ to activate the option. The display will flash.
- Pressing the ▲ key repeatedly increases the rotation times minute by minute. The duration of the spin cycle cannot be increased.
- Pressing the ▼ key repeatedly decreases the rotation or spin times.
- **Moving on to the subsequent phase.** Moving on from one phase to the next is delayed. Press the ▼ key until the end of the phase and wait a few moments until the first operation of the next phase appears. Continue pressing the ▼ key.
- After a few seconds without pressing any key the display will remain fixed and the modification option is deactivated.

Important: (UK only) The duration of the bath filling phase in Program 3 cannot be altered.

4.8.2. Crease-guard stop

A function exclusive to LOGI CONTROL
Once the washing program has started, you can program the drum rotation to stop before the final spin, with the objective of avoiding creases.
To activate this function once the washing cycle has started, press the ⚙ key for a few seconds. The message ***rh-0*** will appear on the display. Press the ▲ key. The display message will change to ***rh-I.*** The crease-guard Stop function has been activated.
Before the final spin, the drum rotation will be interrupted and the ***PUSH/ STAR*** message will appear on the display. To resume the program, press the START STOP key.

4.9. DELAY option

The **DELAY** option allows you to program the start time of a program depending on the needs of the user. For example: to use two-rate electricity, to rationalise electricity consumption, to adjust the laundry production system, etc.

⚠ **To use the DELAY option (start program delay) it is essential that the washing machine has the clock installed that allows operating in real time. If this option is not incorporated originally, it can be easily installed. Contact your dealer.**
Before the first use, and each time there is a time change, verify and/or adjust the time on the clock.
(See ADVANCED USE MODE) Sections 6.9 and 8.9.

4.9.1. Delaying a program

- Load the washing machine and close the door.
- Place washing products in the dispenser compartment.
- Select the program to be used and press the ⚙ key. The ***dLY*** report will appear on the display.
- To cancel de ***dLY*** option, press the START STOP key.
- When ***dLY*** is displayed, press the ⚙ key. The current time will appear on the screen, in ***hh.mm*** format (hours, minutes, using a 24-hour clock).
- The minutes are shown flashing. They can be modified using the ▲/▼ keys.
- Press the ⏩ button to validate the minutes and start to modify the hours.
- The hours are shown flashing. They can be modified using the ▲/▼ keys.
- Once you have chosen the desired start time, press START STOP. The start time and the selected program will be displayed alternatively.
- To cancel the delay of a program, select and hold START STOP button, for five seconds.

4.10. Consultations during a program

Certain washer operating parameters can be consulted while a program is running.

LOGI CONTROL

Sequence of parameters that can be consulted and how they are shown on the display:

dt-0	
consultable parameter	**display**
Percentage of load detected	**
percentage of water consumption and dosing used	%**

dt-1	
consultable parameter	**display**
Percentage of load detected	**
percentage of water consumption and dosing used	%**

Note 1. These parameters can only be consulted if the **JL** function has been activated on the MOD menu (Section 6.7)

The parameters can be consulted by pressing the ▲ key successively while the program is running.

LOGI PRO CONTROL

Sequence of parameters that can be consulted and how they are shown on the display:
The parameters that can be consulted vary slightly depending on the ***dt*** parameter selected in the **Mod** menu (Section 8.7).

dt-0	
consultable parameter	**display**
program running	**P-****
remaining program time	**t-****
Bath temperature	**C-****
percentage of water consumption and dosing used	**%-****

dt-1	
consultable parameter	**display**
program running	**P-****
phase running (see **Note 1**)	**Ph****
Bath temperature	**C-****
percentage of water consumption and dosing used	**%-****

Note 1. The numbering of the phase running refers to the program tables in Section 8.4.

The parameters can be consulted by pressing the ▲ key successively while the program is running.

LOGI CONTROL. SPECIFIC INFORMATION

5. LOGI CONTROL. WASH PROGRAMS

The washer offers the possibility of selecting from among eight different wash programs for different kinds of garment and soiling.
Depending on the AREA OF USE defined in the washing machine SETUP, the original content of the programs varies.
The original content of the programs is defined as indicated in the charts in Section 5.3.
The content of the programs may be modified; see Chapter 6: ADVANCED USE mode.

5.1. Main reports that appear on the display

REPORT	MEANING
Pr-*	Program selected. Machine ready to wash
C-** ***F****	Water temperature in degrees Celsius or Fahrenheit
rt-*	Rotation time left
c-*	Cooling temperature
Et-*	Spin time remaining
End	End of program. Door unlocked
door	Washer with door open

5.2. Interpretation of the program tables

SYMBOL	OPTION	DESCRIPTION
🕐	**	**Estimated program time** Minimum program time based on a machine with hot water supply and without heating. Time in minutes.
Ph	**	**Phase number** The phase indicated with a grey background belongs to the wash phase.
L	**1** **2** **3**	**Bath level** Low level Medium level High level (units with pumped drain, levels 2 and 3 are the same)
C / F	**	**Temperature of the bath** Value in degrees Celsius or Fahrenheit
d	**0** **1** **2** **3** **4**	**Dosings** No dosing Pre-wash dosing Wash dosing Bleach dosing Softener / neutraliser dosing
r	**1** **2** **3**	**Drum rotation sequence** Vigorous sequence rotation: 25 seconds ON / 5 seconds stop Normal rotation sequence: 15 seconds ON / 15 seconds stop Light rotation sequence: 5 seconds ON / 25 seconds stop
rt	**	**Rotation time** Value in minutes
c	**0** **1**	**Gradual cool down** Option not available Option available
rh	**0** **1**	**Program stop** in final rinse **(rinse hold)** Option not available Option available
E	**0** **1** **2** **4** **6**	**Bath drain** Access to the next phase without draining in the bath Drain + wash speed Drain + positioning speed Drain + medium spin speed Drain + high spin speed
Et	** **- - - -**	**Spin time** Value in minutes Non programmable function in the phase

5.3. Original content of the washing programs

5.3.1. General application. HS, RMS models

Pr - 1. EXTRA HEAVY SOIL 66 MIN

Ph	L	C	d	r	rt	c	rh	E	Et
1	2	20	1	1	2	- - -	- - -	0	- - -
2	2	40	0	1	6	- - -	- - -	1	- - -
3	2	40	1	1	6	- - -	- - -	3	3
4	1	80	2	1	12	0	- - -	2	2
5	2	40	3	1	6	- - -	- - -	1	- - -
6	3	- - -	0	1	2	- - -	- - -	3	- - -
7	3	- - -	0	1	2	- - -	- - -	1	- - -
8	2	0	4	1	4	- - -	0	6	7

Pr - 2. HEAVY SOIL – WHITE 56 MIN

Ph	L	C	d	r	rt	c	rh	E	Et
1	2	20	0	1	2	- - -	- - -	1	- - -
2	2	30	1	1	6	- - -	- - -	3	3
3	1	60	2	1	10	0	- - -	2	2
4	2	40	3	1	6	- - -	- - -	1	- - -
5	3	- - -	0	1	2	- - -	- - -	3	3
6	3	- - -	0	1	2	- - -	- - -	1	- - -
7	2	0	4	1	4	- - -	0	6	7

Pr - 3. WHITE 51 MIN

Ph	L	C	d	r	rt	c	rh	E	Et
1	2	40	1	1	6	- - -	- - -	3	3
2	1	50	2	1	8	0	- - -	2	2
3	2	30	3	1	6	- - -	- - -	1	- - -
4	3	- - -	0	1	2	- - -	- - -	3	3
5	3	- - -	0	1	2	- - -	- - -	1	- - -
6	2	0	4	1	4	- - -	0	6	7

Pr - 4. LIGHT SOIL - WHITE 37 MIN

Ph	L	C	d	r	rt	c	rh	E	Et
1	1	40	2	1	6	1	- - -	0	- - -
2	2	30	3	1	6	- - -	- - -	1	- - -
3	3	- - -	0	1	2	- - -	- - -	3	3
4	3	- - -	0	1	2	- - -	- - -	1	- - -
5	2	0	4	1	4	- - -	0	6	7

Pr - 5. HEAVY SOIL – COLOR 51 MIN

Ph	L	C	d	r	rt	c	rh	E	Et
1	2	0	0	1	4	- - -	- - -	1	- - -
2	2	40	1	1	6	- - -	- - -	3	3
3	1	50	2	1	10	0	- - -	2	2
4	3	0	0	1	2	- - -	- - -	3	3
5	3	- - -	0	1	2	- - -	- - -	1	- - -
6	2	0	4	1	4	- - -	0	6	7

Pr - 6. MEDIUM SOIL – COLOR 40 MIN

Ph	L	C	d	r	rt	c	rh	E	Et
1	2	30	1	2	4	- - -	- - -	2	2
2	1	40	2	1	8	0	- - -	2	2
3	3	- - -	0	2	2	- - -	- - -	3	3
4	3	- - -	0	2	2	- - -	- - -	1	- - -
5	2	0	4	2	4	- - -	0	6	7

Pr - 7. SYNTHETICS 30 MIN

Ph	L	C	d	r	rt	c	rh	E	Et
1	1	40	2	2	6	0	- - -	2	2
2	3	- - -	0	2	2	- - -	- - -	3	3
3	3	- - -	0	2	2	- - -	- - -	1	- - -
4	2	0	4	2	4	- - -	0	6	6

Pr - 8. DELICATES AND WOOL 31 MIN

Ph	L	C	d	r	rt	c	rh	E	Et
1	3	0	1	3	4	- - -	- - -	1	- - -
2	3	30	2	3	8	1	- - -	1	- - -
3	3	- - -	0	3	2	- - -	- - -	1	- - -
4	3	- - -	0	3	2	- - -	- - -	1	- - -
5	3	0	4	3	4	- - -	0	2	2

5.3.2. USA/Canada application. EH020 model: SP-0

Pr - 1. EXTRA HEAVY SOIL - WHITE									22 MIN
Ph	L	F	d	r	rt	c	rh	E	Et
1	1	90	2	1	7	0	- - -	1	- - -
2	1	32	3	2	2	- - -	- - -	1	- - -
3	2	32	4	2	2	- - -	0	6	6

Pr - 2. HEAVY SOIL - WHITE									19 MIN
Ph	L	F	d	r	rt	c	rh	E	Et
1	1	90	2	1	4	0	- - -	1	- - -
2	1	32	3	2	2	- - -	- - -	1	- - -
3	2	32	4	2	2	- - -	0	6	6

Pr - 3. MEDIUM SOIL - WHITE									19 MIN
Ph	L	F	d	r	rt	c	rh	E	Et
1	1	82	2	1	4	0	- - -	1	- - -
2	1	32	3	2	2	- - -	- - -	1	- - -
3	2	32	4	2	2	- - -	0	6	6

Pr - 4. LIGHT SOIL - WHITE									19 MIN
Ph	L	F	d	r	rt	c	rh	E	Et
1	1	68	2	1	4	1	- - -	1	- - -
2	1	32	3	2	2	- - -	- - -	1	- - -
3	2	32	4	2	2	- - -	0	6	6

Pr - 5. HEAVY SOIL - COLOR									20 MIN
Ph	L	F	d	r	rt	c	rh	E	Et
1	1	90	2	1	6	0	- - -	1	- - -
2	1	32	0	2	1	- - -	- - -	1	- - -
3	2	32	4	2	2	- - -	0	6	6

Pr - 6. MEDIUM SOIL - COLOR									18 MIN
Ph	L	F	d	r	rt	c	rh	E	Et
1	1	90	2	1	4	0	- - -	1	- - -
2	1	32	0	2	1	- - -	- - -	1	- - -
3	2	32	4	2	2	- - -	0	6	6

Pr - 7. SYNTHETICS									18 MIN
Ph	L	F	d	r	rt	c	rh	E	Et
1	1	82	2	2	4	0	- - -	1	- - -
2	1	32	0	2	1	- - -	- - -	1	- - -
3	2	32	4	2	2	- - -	0	6	6

Pr - 8. WOOL AND DELICATES									15 MIN
Ph	L	F	d	r	rt	c	rh	E	Et
1	2	68	2	2	4	1	- - -	1	- - -
2	1	32	0	3	1	- - -	- - -	1	- - -
3	2	32	4	3	2	- - -	0	4	3

5.3.3. USA/Canada application. EH020 model: SP-I; EH, REM: other models except REM025

Pr - 1. EXTRA HEAVY SOIL - WHITE 49 MIN

Ph	L	F	d	r	rt	c	rh	E	Et
1	2	104	1	1	6	- - -	- - -	3	2
2	2	176	2	1	12	0	- - -	1	- - -
3	2	140	3	1	6	- - -	- - -	3	2
4	3	- - -	0	1	1	- - -	- - -	1	- - -
5	2	- - -	0	1	2	- - -	- - -	1	- - -
6	2	32	4	1	2	- - -	0	6	6

Pr - 2. HEAVY SOIL - WHITE 42 MIN

Ph	L	F	d	r	rt	c	rh	E	Et
1	2	104	1	1	3	- - -	- - -	3	2
2	2	150	2	1	8	0	- - -	1	- - -
3	2	140	3	1	5	- - -	- - -	3	2
4	3	- - -	0	1	2	- - -	- - -	1	- - -
5	3	- - -	0	1	2	- - -	- - -	1	- - -
6	2	32	4	1	3	- - -	0	6	6

Pr - 3. MEDIUM SOIL - WHITE 37 MIN

Ph	L	F	d	r	rt	c	rh	E	Et
1	2	140	2	1	10	0	- - -	1	- - -
2	2	140	3	1	5	- - -	- - -	3	2
3	3	- - -	0	1	2	- - -	- - -	1	- - -
4	3	- - -	0	1	2	- - -	- - -	1	- - -
5	2	32	4	1	2	- - -	0	6	6

Pr - 4. LIGHT SOIL - WHITE 28 MIN

Ph	L	F	d	r	rt	c	rh	E	Et
1	1	140	2	1	6	1	- - -	1	- - -
2	2	140	3	1	4	- - -	- - -	3	2
3	3	- - -	0	1	2	- - -	- - -	1	- - -
4	2	32	4	1	2	- - -	0	6	6

Pr - 5. HEAVY SOIL - COLOR 42 MIN

Ph	L	F	d	r	rt	c	rh	E	Et
1	2	104	1	1	4	- - -	- - -	3	2
2	2	140	2	1	10	0	- - -	1	- - -
3	2	70	0	1	2	- - -	- - -	3	2
4	3	- - -	0	1	2	- - -	- - -	1	- - -
5	3	- - -	0	1	2	- - -	- - -	1	- - -
6	2	32	4	1	3	- - -	0	6	6

Pr - 6. MEDIUM SOIL - COLOR 36 MIN

Ph	L	F	d	r	rt	c	rh	E	Et
1	2	86	1	1	4	- - -	- - -	3	2
2	1	104	2	1	8	0	- - -	1	- - -
3	2	70	0	1	2	- - -	- - -	3	2
4	3	- - -	0	1	2	- - -	- - -	1	- - -
5	2	32	4	1	3	- - -	0	6	6

Pr - 7. SYNTHETICS 29 MIN

Ph	L	F	d	r	rt	c	rh	E	Et
1	2	104	2	1	8	0	- - -	1	- - -
2	2	70	0	1	2	- - -	- - -	3	2
3	3	- - -	0	1	2	- - -	- - -	1	- - -
4	2	32	4	1	3	- - -	0	6	6

Pr - 8. WOOL AND DELICATES 27 MIN

Ph	L	F	d	r	rt	c	rh	E	Et
1	2	86	2	2	8	1	- - -	2	2
2	3	- - -	0	2	2	- - -	- - -	1	- - -
3	3	- - -	- - -	2	2	- - -	- - -	1	- - -
4	2	32	4	3	2	- - -	0	5	4

5.3.4. United Kingdom application. HS, RMS models

Pr – 1. HEALTHCARE SLUICE 43 MIN

Ph	L	C	d	r	rt	c	rh	E	Et
1	2	0	0	1	2	- - -	- - -	1	- - -
2	2	0	1	1	2	- - -	- - -	1	- - -
3	1	67	2	1	11	0	- - -	2	2
4	2	0	3	1	3	- - -	- - -	1	- - -
5	3	0	0	2	2	- - -	- - -	1	- - -
6	3	0	4	1	4	- - -	0	6	7

Pr - 2. HEAVY SOIL 37 MIN

Ph	L	C	d	r	rt	c	rh	E	Et
1	2	0	1	1	3	- - -	- - -	3	3
2	1	55	2	1	6	0	- - -	2	2
3	2	0	3	1	2	- - -	- - -	3	3
4	3	0	0	1	2	- - -	- - -	1	- - -
5	2	0	4	2	3	- - -	- - -	6	7

Pr - 3. ECO. 60 e^W 32 MIN

Ph	L	C	d	r	rt	c	rh	E	Et
1	3	60	2	1	10	- - -	- - -	2	2
2	4	0	0	1	3	0	- - -	1	1
3	4	0	4	1	3	- - -	- - -	6	9

Pr - 4. LIGHT SOIL 32 MIN

Ph	L	C	d	r	rt	c	rh	E	Et
1	1	40	2	1	6	0	- - -	1	- - -
2	2	0	3	2	4	- - -	- - -	3	3
3	3	0	0	1	2	- - -	- - -	1	- - -
4	2	0	4	1	4	- - -	- - -	6	7

Pr - 5. COLOR 48 MIN

Ph	L	C	d	r	rt	c	rh	E	Et
1	2	0	0	2	4	- - -	- - -	1	- - -
2	2	0	1	2	6	- - -	- - -	3	3
3	1	40	2	1	7	0	- - -	2	2
4	3	0	0	2	2	- - -	- - -	3	3
5	3	0	0	2	2	- - -	- - -	1	- - -
6	2	0	4	2	4	- - -	0	6	7

PR - 6. ECO EXPRESS 40ºC 28 MIN

Ph	L	C	d	r	rt	c	rh	E	Et
1	1	40	2	1	6	- - -	- - -	2	2
2	2	0	0	2	3	0	- - -	3	3
3	2	0	4	2	4	- - -	- - -	6	7

Pr - 7. SYNTHETICS 29 MIN

Ph	L	C	d	r	rt	c	rh	E	Et
1	1	40	2	2	5	0	- - -	2	2
2	3	0	0	2	2	- - -	- - -	3	3
3	3	0	0	2	2	- - -	- - -	1	- - -
4	2	0	4	2	4	- - -	0	6	6

Pr - 8. WOOL AND DELICATES 32 MIN

Ph	L	C	d	r	rt	c	rh	E	Et
1	3	0	1	3	3	- - -	- - -	1	- - -
2	2	30	2	2	8	1	- - -	1	- - -
3	3	0	0	3	3	- - -	- - -	1	- - -
4	3	0	0	3	2	- - -	- - -	1	- - -
5	3	0	4	3	4	- - -	0	4	3

*** Pr-3. ECO. 60 e^W:** Special program in accordance with WTL certification.
*** Pr-3. ECO. 60 e^W:** Cannot be modified. Neither can the phase be sped up while water is entering. Water inputs occur with the drum stationary, as does heating.

6. LOGI CONTROL. ADVANCED USE MODE

There is an ADVANCED USE mode: This mode includes five different menus by means of which each user can personalise the operation of the washing machine.

6.1. ADVANCED MODE menus

MENU	PURPOSE
Pro	Modification of the program contents
INFO	Information menu
Mod	Modification of the operation parameters
Ncod	Modifying of the access code
HOUR	Adjustment of the system time (option)

6.2. Access to ADVANCED MODE

Connect the washer and open the door. The display will show ***door***.
Hold down the ⚙ key until the display shows ***Cod***.
Enter the access code into the menus by pressing the sequence of eight keys of the code without interruption.
In basic configuration (when the machine is delivered) the code for accessing ADVANCED mode is: **12341234**.

Numerical correspondence of each key

KEY	CORRESPONDENCE
⚙	1
▲	2
⏩	3
▼	4

If the sequence entered is correct, the display will show ***Pro***, corresponding to the first menu.
The ▲/▼ keys allow the selection of ADVANCED MODE menus. The menu selected is shown on the display following its keyword. To enter the menu, press the ⚙ key when displaying it.

If you wish to skip the ADVANCED mode, press **START/STOP** and machine will return to the programs execution mode.

6.3. Modifying the contents of programs. Menu Pro

In its original configuration, the washing machine has eight wash programs with content adapted to a wide range of usage. However, the content of each program can be modified to be adapted to the specific needs of different situations.
Modifications will always be carried out within the limits marked by PROGRAMMING VECTORS (see Section 6.5.1) which include the possible programmable parameters and the maximum and minimum values of certain options.
The master program is composed of nine phases. At the start of each phase, a parameter of the value ***Ph-Y*** / ***Ph-N*** (executable phase ***YES*** / executable phase **NO**) will allow the user to determine whether the accessed phase should either be executed or omitted.

Once the phase is defined as to be executed, proceed to the display and modification (if desired) of the parameters or values of the phase.

Note: (UK setting only) Program 3 cannot be modified.

6.4. Initial program content

6.4.1. General application HS, RMS models

Pr - 1. EXTRA HEAVY SOIL — 66 MIN

Ph	Ph	L	C	d	r	rt	c	rh	E	Et
1	Y	2	20	1	1	2	- - -	- - -	0	- - -
2	Y	2	40	0	1	6	- - -	- - -	1	- - -
3	Y	2	40	1	1	6	- - -	- - -	3	3
4	Y	1	80	2	1	12	0	- - -	2	2
5	Y	2	40	3	1	6	- - -	- - -	1	- - -
6	N	3	- - -	0	1	2	- - -	- - -	1	- - -
7	Y	3	- - -	0	1	2	- - -	- - -	3	3
8	Y	3	- - -	0	1	2	- - -	- - -	1	- - -
9	Y	2	0	4	1	4	- - -	0	6	7

Pr - 2. HEAVY SOIL – WHITE — 56 MIN

Ph	Ph	L	C	d	r	rt	c	rh	E	Et
1	N	2	20	0	1	4	- - -	- - -	1	- - -
2	Y	2	20	0	1	2	- - -	- - -	1	- - -
3	Y	2	30	1	1	6	- - -	- - -	3	3
4	Y	1	60	2	1	10	0	- - -	2	2
5	Y	2	40	3	1	6	- - -	- - -	1	- - -
6	N	3	- - -	0	1	2	- - -	- - -	1	- - -
7	Y	3	- - -	0	1	2	- - -	- - -	3	3
8	Y	3	- - -	0	1	2	- - -	- - -	1	- - -
9	Y	2	0	4	1	4	- - -	0	6	7

Pr - 3. WHITE — 51 MIN

Ph	Ph	L	C	d	r	rt	c	rh	E	Et
1	N	2	30	0	1	4	- - -	- - -	1	- - -
2	N	2	0	0	1	2	- - -	- - -	1	- - -
3	Y	2	40	1	1	6	- - -	- - -	3	3
4	Y	1	50	2	1	8	0	- - -	2	2
5	Y	2	30	3	1	6	- - -	- - -	1	- - -
6	N	3	- - -	0	1	2	- - -	- - -	1	- - -
7	Y	3	- - -	0	1	2	- - -	- - -	3	3
8	Y	3	- - -	0	1	2	- - -	- - -	1	- - -
9	Y	2	0	4	1	4	- - -	0	6	7

Pr - 4. LIGHT SOIL - WHITE — 37 MIN

Ph	Ph	L	C	d	r	rt	c	rh	E	Et
1	N	2	30	0	1	4	- - -	- - -	1	- - -
2	N	2	0	0	1	2	- - -	- - -	1	- - -
3	N	2	30	1	1	6	- - -	- - -	3	3
4	Y	1	40	2	1	6	1	- - -	0	- - -
5	Y	2	30	3	1	6	- - -	- - -	1	- - -
6	N	3	- - -	0	1	2	- - -	- - -	1	- - -
7	Y	3	- - -	0	1	2	- - -	- - -	3	3
8	Y	3	- - -	0	1	2	- - -	- - -	1	- - -
9	Y	2	0	4	1	4	- - -	0	6	7

Pr - 5. HEAVY SOIL – COLOR — 51 MIN

Ph	Ph	L	C	d	r	rt	c	rh	E	Et
1	N	2	40	0	1	4	- - -	- - -	1	- - -
2	Y	2	0	0	1	4	- - -	- - -	1	- - -
3	Y	2	40	1	1	6	- - -	- - -	3	3
4	Y	1	50	2	1	10	0	- - -	2	2
5	N	3	0	0	1	2	- - -	- - -	1	- - -
6	N	3	- - -	0	1	2	- - -	- - -	1	- - -
7	Y	3	- - -	0	1	2	- - -	- - -	3	3
8	Y	3	- - -	0	1	2	- - -	- - -	1	- - -
9	Y	2	0	4	1	4	- - -	0	6	7

Pr - 6. MEDIUM SOIL – COLOR — 40 MIN

Ph	Ph	L	C	d	r	rt	c	rh	E	Et
1	N	2	30	0	2	4	- - -	- - -	1	- - -
2	N	2	0	0	2	2	- - -	- - -	1	- - -
3	Y	2	30	1	2	4	- - -	- - -	2	2
4	Y	1	40	2	1	8	0	- - -	2	2
5	N	3	0	0	2	2	- - -	- - -	1	- - -
6	N	3	- - -	0	2	2	- - -	- - -	1	- - -
7	Y	3	- - -	0	2	2	- - -	- - -	3	3
8	Y	3	- - -	0	2	2	- - -	- - -	1	- - -
9	Y	2	0	4	2	4	- - -	0	6	7

Pr - 7. SYNTHETICS — 30 MIN

Ph	Ph	L	C	d	r	rt	c	rh	E	Et
1	N	3	30	0	2	4	- - -	- - -	1	- - -
2	N	3	0	0	2	2	- - -	- - -	1	- - -
3	N	2	40	1	2	4	- - -	- - -	2	2
4	Y	1	40	2	2	6	0	- - -	2	2
5	N	3	0	0	2	2	- - -	- - -	1	- - -
6	N	3	- - -	0	2	2	- - -	- - -	1	- - -
7	Y	3	- - -	0	2	2	- - -	- - -	3	3
8	Y	3	- - -	0	2	2	- - -	- - -	1	- - -
9	Y	2	0	4	2	4	- - -	0	6	6

Pr - 8. DELICATES AND WOOL — 31 MIN

Ph	Ph	L	C	d	r	rt	c	rh	E	Et
1	N	3	0	0	3	4	- - -	- - -	1	- - -
2	N	3	0	0	3	2	- - -	- - -	1	- - -
3	Y	3	0	1	3	4	- - -	- - -	1	- - -
4	Y	3	30	2	3	8	1	- - -	1	- - -
5	N	3	0	0	3	2	- - -	- - -	1	- - -
6	N	3	- - -	0	3	2	- - -	- - -	1	- - -
7	Y	3	- - -	0	3	2	- - -	- - -	1	- - -
8	Y	3	- - -	0	3	2	- - -	- - -	1	- - -
9	Y	3	0	4	3	4	- - -	0	2	2

6.4.2. USA/Canada application. EH020 model: SP-0

Pr - 1. EXTRA HEAVY SOIL - WHITE 22 MIN

Ph	Ph	L	F	d	r	rt	c	rh	E	Et
1	N	2	104	1	1	4	- - -	- - -	1	- - -
2	N	2	32	0	1	2	- - -	- - -	1	- - -
3	N	2	104	1	1	6	- - -	- - -	3	3
4	Y	1	90	2	1	7	0	- - -	1	- - -
5	Y	1	32	3	2	2	- - -	- - -	1	- - -
6	N	3	- - -	0	1	1	- - -	- - -	1	- - -
7	N	3	- - -	0	1	1	- - -	- - -	1	- - -
8	N	3	- - -	0	2	1	- - -	- - -	1	- - -
9	Y	2	32	4	2	2	- - -	0	6	6

Pr - 2. HEAVY SOIL – WHITE 19 MIN

Ph	Ph	L	F	d	r	rt	c	rh	E	Et
1	N	2	104	0	1	4	- - -	- - -	1	- - -
2	N	2	32	0	1	2	- - -	- - -	1	- - -
3	N	2	104	1	1	6	- - -	- - -	3	3
4	Y	1	90	2	1	4	0	- - -	1	- - -
5	Y	1	32	3	2	2	- - -	- - -	1	- - -
6	N	3	- - -	0	1	1	- - -	- - -	1	- - -
7	N	3	- - -	0	1	1	- - -	- - -	1	- - -
8	N	3	- - -	0	1	1	- - -	- - -	1	- - -
9	Y	2	32	4	2	2	- - -	0	6	6

Pr - 3. MEDIUM SOIL – WHITE 19 MIN

Ph	Ph	L	F	d	r	rt	c	rh	E	Et
1	N	2	86	0	1	4	- - -	- - -	1	- - -
2	N	2	32	0	1	2	- - -	- - -	1	- - -
3	N	2	104	1	1	6	- - -	- - -	3	3
4	Y	1	82	2	1	4	0	- - -	1	- - -
5	Y	1	32	3	2	2	- - -	- - -	1	- - -
6	N	3	- - -	0	1	1	- - -	- - -	1	- - -
7	N	3	- - -	0	1	1	- - -	- - -	1	- - -
8	N	3	- - -	0	1	1	- - -	- - -	1	- - -
9	Y	2	32	4	2	2	- - -	0	6	6

Pr - 4. LIGHT SOIL – WHITE 19 MIN

Ph	Ph	L	F	d	r	rt	c	rh	E	Et
1	N	2	86	0	1	4	- - -	- - -	1	- - -
2	N	2	32	0	1	2	- - -	- - -	1	- - -
3	N	2	86	1	1	6	- - -	- - -	3	3
4	Y	1	68	2	1	4	1	- - -	1	- - -
5	Y	1	32	3	2	2	- - -	- - -	1	- - -
6	N	3	- - -	0	1	1	- - -	- - -	1	- - -
7	N	3	- - -	0	1	1	- - -	- - -	1	- - -
8	N	3	- - -	0	1	1	- - -	- - -	1	- - -
9	Y	2	32	4	2	2	- - -	0	6	6

Pr - 5. HEAVY SOIL – COLOR 20 MIN

Ph	Ph	L	F	d	r	rt	c	rh	E	Et
1	N	2	104	0	2	4	- - -	- - -	1	- - -
2	N	2	32	0	2	4	- - -	- - -	1	- - -
3	N	2	104	1	2	6	- - -	- - -	3	3
4	Y	1	90	2	1	6	0	- - -	1	- - -
5	Y	1	32	0	2	1	- - -	- - -	1	- - -
6	N	3	- - -	0	2	1	- - -	- - -	1	- - -
7	N	3	- - -	0	2	1	- - -	- - -	1	- - -
8	N	3	- - -	0	2	1	- - -	- - -	1	- - -
9	Y	2	32	4	2	2	- - -	0	6	6

Pr - 6. MEDIUM SOIL – COLOR 18 MIN

Ph	Ph	L	F	d	r	rt	c	rh	E	Et
1	N	2	86	0	2	4	- - -	- - -	1	- - -
2	N	2	32	0	2	2	- - -	- - -	1	- - -
3	N	2	104	1	2	4	- - -	- - -	2	2
4	Y	1	90	2	1	4	0	- - -	1	- - -
5	Y	1	32	0	2	1	- - -	- - -	1	- - -
6	N	3	- - -	0	2	1	- - -	- - -	1	- - -
7	N	3	- - -	0	2	1	- - -	- - -	1	- - -
8	N	3	- - -	0	2	1	- - -	- - -	1	- - -
9	Y	2	32	4	2	2	- - -	0	6	6

Pr - 7. SYNTHETICS 18 MIN

Ph	Ph	L	F	d	r	rt	c	rh	E	Et
1	N	3	32	0	2	4	- - -	- - -	1	- - -
2	N	3	32	0	2	2	- - -	- - -	1	- - -
3	N	2	32	1	2	4	- - -	- - -	2	2
4	Y	1	82	2	2	4	0	- - -	1	- - -
5	Y	1	32	0	2	1	- - -	- - -	1	- - -
6	N	3	- - -	0	2	1	- - -	- - -	1	- - -
7	N	3	- - -	0	2	1	- - -	- - -	1	- - -
8	N	3	- - -	0	2	1	- - -	- - -	1	- - -
9	Y	2	32	4	2	2	- - -	0	6	6

Pr - 8. WOOL AND DELICATES 15 MIN

Ph	Ph	L	F	d	r	rt	c	rh	E	Et
1	N	3	32	0	3	4	- - -	- - -	1	- - -
2	N	3	32	0	3	2	- - -	- - -	1	- - -
3	N	3	32	1	3	4	- - -	- - -	1	- - -
4	Y	2	68	2	2	4	1	- - -	1	- - -
5	Y	1	32	0	3	1	- - -	- - -	1	- - -
6	N	3	- - -	0	3	1	- - -	- - -	1	- - -
7	N	3	- - -	0	3	1	- - -	- - -	1	- - -
8	N	3	- - -	0	3	1	- - -	- - -	1	- - -
9	Y	2	32	4	3	2	- - -	0	4	3

6.4.3. USA/Canada application. EH020 model: SP-I; EH, REM: other models except REM025

Pr - 1. EXTRA HEAVY SOIL - WHITE 49 MIN

Ph	Ph	L	F	d	r	rt	c	rh	E	Et
1	N	2	104	1	1	4	- - -	- - -	1	- - -
2	N	2	32	0	1	2	- - -	- - -	1	- - -
3	Y	2	104	1	1	6	- - -	- - -	3	2
4	Y	2	176	2	1	12	0	- - -	1	- - -
5	Y	2	140	3	1	6	- - -	- - -	3	2
6	N	3	- - -	0	1	1	- - -	- - -	1	- - -
7	Y	3	- - -	0	1	2	- - -	- - -	1	- - -
8	Y	3	- - -	0	1	2	- - -	- - -	1	- - -
9	Y	2	32	4	1	2	- - -	0	6	6

Pr - 2. HEAVY SOIL – WHITE 42 MIN

Ph	Ph	L	F	d	r	rt	c	rh	E	Et
1	N	2	104	0	1	4	- - -	- - -	1	- - -
2	N	2	32	0	1	2	- - -	- - -	1	- - -
3	Y	2	104	1	1	3	- - -	- - -	3	2
4	Y	2	150	2	1	8	0	- - -	1	- - -
5	Y	2	140	3	1	5	- - -	- - -	3	2
6	N	3	- - -	0	1	1	- - -	- - -	1	- - -
7	Y	3	- - -	0	1	2	- - -	- - -	1	- - -
8	Y	3	- - -	0	1	2	- - -	- - -	1	- - -
9	Y	2	32	4	1	3	- - -	0	6	6

Pr - 3. MEDIUM SOIL – WHITE 37 MIN

Ph	Ph	L	F	d	r	rt	c	rh	E	Et
1	N	2	86	0	1	4	- - -	- - -	1	- - -
2	N	2	32	0	1	2	- - -	- - -	1	- - -
3	N	2	86	1	1	6	- - -	- - -	3	3
4	Y	2	140	2	1	10	0	- - -	1	- - -
5	Y	2	140	3	1	5	- - -	- - -	3	2
6	N	3	- - -	0	1	1	- - -	- - -	1	- - -
7	Y	3	- - -	0	1	2	- - -	- - -	1	- - -
8	Y	3	- - -	0	1	2	- - -	- - -	1	- - -
9	Y	2	32	4	1	2	- - -	0	6	6

Pr - 4. LIGHT SOIL – WHITE 28 MIN

Ph	Ph	L	F	d	r	rt	c	rh	E	Et
1	N	2	86	0	1	4	- - -	- - -	1	- - -
2	N	2	32	0	1	2	- - -	- - -	1	- - -
3	N	2	86	1	1	6	- - -	- - -	3	3
4	Y	2	140	2	1	6	0	- - -	1	- - -
5	Y	2	140	3	1	4	- - -	- - -	3	2
6	N	3	- - -	0	1	1	- - -	- - -	1	- - -
7	N	3	- - -	0	1	1	- - -	- - -	1	- - -
8	Y	3	- - -	0	1	2	- - -	- - -	1	- - -
9	Y	2	32	4	1	2	- - -	0	6	6

Pr - 5. HEAVY SOIL – COLOR 42 MIN

Ph	Ph	L	F	d	r	rt	c	rh	E	Et
1	N	2	104	0	2	4	- - -	- - -	1	- - -
2	N	2	32	0	2	4	- - -	- - -	1	- - -
3	Y	2	104	1	1	4	- - -	- - -	3	2
4	Y	2	140	2	1	10	0	- - -	1	- - -
5	Y	2	70	0	1	2	- - -	- - -	3	2
6	N	3	- - -	0	2	1	- - -	- - -	1	- - -
7	Y	3	- - -	0	1	2	- - -	- - -	1	- - -
8	Y	3	- - -	0	1	2	- - -	- - -	1	- - -
9	Y	2	32	4	1	3	- - -	0	6	6

Pr - 6. MEDIUM SOIL – COLOR 36 MIN

Ph	Ph	L	F	d	r	rt	c	rh	E	Et
1	N	2	86	0	2	4	- - -	- - -	1	- - -
2	N	2	32	0	2	2	- - -	- - -	1	- - -
3	Y	2	86	1	1	4	- - -	- - -	3	2
4	Y	2	104	2	1	8	0	- - -	1	- - -
5	Y	2	70	0	1	2	- - -	- - -	3	2
6	N	3	- - -	0	2	1	- - -	- - -	1	- - -
7	N	3	- - -	0	2	1	- - -	- - -	1	- - -
8	Y	3	- - -	0	1	2	- - -	- - -	1	- - -
9	Y	2	32	4	1	3	- - -	0	6	6

Pr - 7. SYNTHETICS 29 MIN

Ph	Ph	L	F	d	r	rt	c	rh	E	Et
1	N	3	32	0	2	4	- - -	- - -	1	- - -
2	N	3	32	0	2	2	- - -	- - -	1	- - -
3	N	2	32	1	2	4	- - -	- - -	2	2
4	Y	2	104	2	1	8	0	- - -	1	- - -
5	Y	2	68	0	1	2	- - -	- - -	3	2
6	N	3	- - -	0	2	1	- - -	- - -	1	- - -
7	N	3	- - -	0	2	1	- - -	- - -	1	- - -
8	Y	3	- - -	0	1	2	- - -	- - -	1	- - -
9	Y	2	32	4	1	3	- - -	0	6	6

Pr - 8. WOOL AND DELICATES 27 MIN

Ph	Ph	L	F	d	r	rt	c	rh	E	Et
1	N	3	32	0	3	4	- - -	- - -	1	- - -
2	N	3	32	0	3	2	- - -	- - -	1	- - -
3	N	3	32	1	3	4	- - -	- - -	1	- - -
4	Y	2	86	2	2	8	1	- - -	2	2
5	N	2	32	0	2	2	- - -	- - -	1	- - -
6	N	3	- - -	0	2	1	- - -	- - -	1	- - -
7	Y	3	- - -	0	2	2	- - -	- - -	1	- - -
8	Y	3	- - -	0	2	2	- - -	- - -	1	- - -
9	Y	2	32	4	2	3	- - -	0	5	4

6.4.4. United Kingdom application. HS, MS, RMS models

Pr - 1. HEALTHCARE SLUICE — 43 MIN

Ph	Ph	L	C	d	r	rt	c	rh	E	Et
1	N	2	40	1	1	4	- - -	- - -	1	- - -
2	Y	2	0	0	1	2	- - -	- - -	1	- - -
3	Y	2	0	1	1	2	- - -	- - -	1	- - -
4	Y	1	67	2	1	11	0	- - -	2	2
5	Y	2	0	3	1	3	- - -	- - -	1	- - -
6	Y	3	0	0	2	2	- - -	- - -	1	- - -
7	N	3	- - -	0	1	2	- - -	- - -	1	- - -
8	N	3	- - -	0	1	2	- - -	- - -	1	- - -
9	Y	3	0	4	1	4	- - -	0	6	7

Pr - 2. HEAVY SOIL — 37 MIN

Ph	Ph	L	C	d	r	rt	c	rh	E	Et
1	N	2	40	0	1	4	- - -	- - -	1	- - -
2	N	2	0	0	1	2	- - -	- - -	1	- - -
3	Y	2	0	1	1	3	- - -	- - -	3	3
4	Y	1	55	2	1	6	0	- - -	2	2
5	Y	2	0	3	1	2	0	- - -	3	3
6	Y	3	0	0	1	2	- - -	- - -	1	- - -
7	N	3	- - -	0	1	2	- - -	- - -	1	- - -
8	N	3	- - -	0	1	2	- - -	- - -	1	- - -
9	Y	2	0	4	2	3	- - -	- - -	6	7

Pr - 3. ECO. 60 e^W — 32 MIN

Ph	Ph	L	C	d	r	rt	c	rh	E	Et
1	N	2	30	0	1	4	- - -	- - -	1	- - -
2	N	2	0	0	1	2	- - -	- - -	1	- - -
3	N	2	40	1	1	6	- - -	- - -	3	3
4	Y	3	60	2	1	10	- - -	- - -	2	2
5	Y	4	0	0	1	3	0	- - -	1	1
6	N	3	- - -	0	1	2	- - -	- - -	1	- - -
7	N	3	- - -	0	1	2	- - -	- - -	1	- - -
8	N	3	- - -	0	1	2	- - -	- - -	1	- - -
9	Y	4	0	4	1	3	- - -	- - -	6	9

Pr - 4. LIGHT SOIL — 32 MIN

Ph	Ph	L	C	d	r	rt	c	rh	E	Et
1	N	2	30	0	1	4	- - -	- - -	1	- - -
2	N	2	0	0	1	2	- - -	- - -	1	- - -
3	N	2	30	1	1	6	- - -	- - -	3	3
4	Y	1	40	2	1	6	0	- - -	1	- - -
5	Y	2	0	3	2	4	- - -	- - -	3	3
6	Y	3	0	0	1	2	- - -	- - -	1	- - -
7	N	3	- - -	0	1	2	- - -	- - -	1	- - -
8	N	3	- - -	0	1	2	- - -	- - -	1	- - -
9	Y	2	0	4	1	4	- - -	- - -	6	7

Pr - 5. COLOR — 48 MIN

Ph	Ph	L	C	d	r	rt	c	rh	E	Et
1	N	2	40	0	2	4	- - -	- - -	1	- - -
2	Y	2	0	0	2	4	- - -	- - -	1	- - -
3	Y	2	0	1	2	6	- - -	- - -	3	3
4	Y	1	40	2	1	7	0	- - -	2	2
5	Y	3	0	0	2	2	- - -	- - -	3	3
6	N	3	- - -	0	2	2	- - -	- - -	1	- - -
7	N	3	- - -	0	2	2	- - -	- - -	1	- - -
8	Y	3	0	0	2	2	- - -	- - -	1	- - -
9	Y	2	0	4	2	4	- - -	0	6	7

Pr - 6. ECO EXPRESS 40°C — 28 MIN

Ph	Ph	L	C	d	r	rt	c	rh	E	Et
1	N	2	30	0	2	4	- - -	- - -	1	- - -
2	N	2	0	0	2	2	- - -	- - -	1	- - -
3	N	2	40	1	2	4	- - -	- - -	2	2
4	Y	1	40	2	1	6	- - -	- - -	2	2
5	Y	2	0	0	2	3	0	- - -	3	3
6	N	3	- - -	0	2	2	- - -	- - -	1	- - -
7	N	3	- - -	0	2	2	- - -	- - -	1	- - -
8	N	3	- - -	0	2	2	- - -	- - -	1	- - -
9	Y	2	0	4	2	4	- - -	- - -	6	7

Pr - 7. SYNTHETICS — 29 MIN

Ph	Ph	L	C	d	r	rt	c	rh	E	Et
1	N	3	30	0	2	4	- - -	- - -	1	- - -
2	N	3	0	0	2	2	- - -	- - -	1	- - -
3	N	2	40	1	2	4	- - -	- - -	2	2
4	Y	1	40	2	2	5	0	- - -	2	2
5	Y	3	0	0	2	2	- - -	- - -	3	3
6	N	3	- - -	0	2	2	- - -	- - -	1	- - -
7	N	3	- - -	0	2	2	- - -	- - -	1	- - -
8	Y	3	0	0	2	2	- - -	- - -	1	- - -
9	Y	2	0	4	2	4	- - -	0	6	6

Pr - 8. WOOL AND DELICATES — 32 MIN

Ph	Ph	L	C	d	r	rt	c	rh	E	Et
1	N	3	0	0	3	4	- - -	- - -	1	- - -
2	N	3	0	0	3	2	- - -	- - -	1	- - -
3	Y	3	0	1	3	3	- - -	- - -	1	- - -
4	Y	2	30	2	2	8	1	- - -	1	- - -
5	Y	3	0	0	3	3	- - -	- - -	1	- - -
6	N	3	- - -	0	3	2	- - -	- - -	1	- - -
7	N	3	- - -	0	3	2	- - -	- - -	1	- - -
8	Y	3	0	0	3	2	- - -	- - -	1	- - -
9	Y	3	0	4	3	4	- - -	0	4	3

*** Pr-3. ECO. 60 e^W:** Special program in accordance with WTL certification.

6.5. Modifying a program

6.5.1. Programming vectors

See the definition of the functions and values programmable in each phase in the following sections.

PHASE	EXECUTION	LEVEL	TEMP.	DISP.	ROTATION	ROTATION TIME	COOL DOWN	PAUSE	EXTRACT	EXTRACT TIME
	Ph	L	C / F	d	r	rt	c	rh	E	Et
1	Y / N	1…4	0 ... 90 32 ... 194	0, 1...4	1...3	1...12	n.p.	n.p.	0 / 1	n.p.
2	Y / N	1…4	0 ... 90 32 ... 194	0, 1...4	1...3	1...12	n.p.	n.p.	0 / 1	n.p.
3	Y / N	1…4	0 ... 90 32 ... 194	0, 1...4	1...3	1...12	n.p.	n.p.	0...3	n.p. 2...4
4	Y	1…4	0 ... 90 32 ... 194	0, 1...4	1...3	1...20	0 / 1	n.p.	0...2	n.p. 2...4
5	Y / N	1…4	0 ... 60 32 ... 140	0, 1...4	1...3	1...12	n.p.	n.p.	1...3	n.p. 2...4
6	Y / N	1…4	n.p.	0, 1...4	1...3	1...12	n.p.	n.p.	1...3	n.p. 2...4
7	Y / N	1…4	n.p.	0, 1...4	1...3	1...12	n.p.	n.p.	1...3	n.p. 2...4
8	Y / N	1…4	n.p.	0, 1...4	1...3	1...12	n.p.	n.p.	1	n.p.
9	Y	1…4	0 ... 60 32 ... 140	0, 1...4	1...3	1...12	n.p.	0 / 1	1...6	n.p. 2...9

Note: (UK setting only). Program 3 cannot be modified.

6.5.2. Definition of phases

PHASES	DEFINITION
1, 2, 3	**Soaking and pre-washes.** Optional execution phase.
4	**Washing.** Obligatory execution phase.
5	**First Rinse.** Optional execution phase.
6 - 8	**Second, third and fourth rinses.** Optional execution phase.
9	**Final Rinse.** Obligatory execution phase.

6.5.3. Definition of programmable functions and values for each phase

FUNCTION	CONCEPT	OPTIONS	
Ph	Phase execution	***Ph-Y***	Phase can be executed
		Ph-N	Phase cannot be executed
L	Bath level	***L-1***	Low level
		L-2	Medium level
		L-3	High level (level not programmable in machines with pump drain or valve closed without current)
		L-4	Extra high level (level not programmable in machines with pump drain or valve closed without current)
C / F	Temperature of the bath	***0 / *****	Programmable range in degrees Celsius
		32 / ***	Programmable range in degrees Fahrenheit
		n.p	Not possible to program temperature in phase
d	Dosings	***d-0***	Phase without dosing
		d-1	Dosing via pre-wash compartment Pre-wash external dosing signal
		d-2	Dosing via wash compartment Wash external dosing signal
		d-3	Dosing via whitening compartment Whitening external dosing signal
		d-4	Dosing via softener or neutraliser compartment Softener or neutraliser external dosing signal
r	Rotation sequence	***r-1***	Vigorous rotation sequence: 25 sec. ON - 5 sec. OFF
		r-2	Normal rotation sequence: 15 sec. ON - 15 sec. OFF
		r-3	Light rotation sequence: 25 sec. ON - 5 sec. OFF
rt	Rotation time (in minutes)	***1...12***	Programmable range in soak, pre-wash and rinse phases
		1...20	Programmable range in the wash phase
c	Gradual cool down	***0***	Without gradual cool-down
		1	Gradual cool-down in wash phase
		n.p	Option not programmable
rh	Program stop in final rinse	***0***	Without stop in final rinse
		1	Stop in final rinse
		n.p	Option not programmable
E	Bath drain	***0***	Access to the next phase without draining in the bath
		1	Drain + wash speed
		2	Drain + positioning speed
		3	Drain + low extract speed
		4	Drain + medium spin speed
		5	Drain + medium/high extract speed
		6	Drain + high spin speed
Et	Extract time	********	Time in minutes.

6.5.4. Program modification sequence

Access the ADVANCED USE MODE (Section 6.2). The display shows ***Pro***.
Press the key to access the PROGRAMMING menu.
The display shows ***Pr-1***. Program 1 is ready for modification. The ▲/▼ keys allow the user to select another program. Press the key to access the modification of the displayed program.
The display shows ***Pr-1***. Phase 1 is ready for modification. The ▲/▼ keys allow the user to select another phase. Press the key to start modifying the values of the selected phase.
When the number of the phase is displayed (at the start of phase), the **START/STOP** key is used to finalise the program modification.
Once a program modification has been finalised, the display will show the ***Pr-**** report (modified program). Pressing the **START/STOP** key allows the user to access the higher level of the menu. Pressing twice consecutively allows the user to exit the ADVANCED USE MODE.

Note: (UK setting only) Program 3 cannot be modified.

Activation of the phase
Allows the user to program the execution of the selected phase.
Once the desired phase to be modified has been selected, press the key. The display shows ***Ph-****.

OPTIONS	MEANING
Ph-Y	The phase to be executed is available
Ph-N	The phase to be executed is unavailable

The ▲/▼ keys allow the user to modify the option displayed.
The key validates the selection on the display and allows the user to access the following programmable function.

Bath level
Bath level allows the selection of the bath level inside the washer.

OPTIONS	MEANING
L-1	Low level
L-2	Medium level
L-3	High level
L-4	Extra high level

For safety reasons, options ***L-3*** and ***L-4*** are not programmable in machines with a pump drain or a valve closed without current.
The ▲/▼ keys allow the user to modify the option displayed.
The key validates the selection on the display and allows the user to access the following programmable function.

Temperature of the bath
This allows the user to modify the water temperature in the phases in which this function is available. In other phases, it is not possible to program the water temperature.

OPTIONS	MEANING
C-00 ... C-90 ***F 32 ... F 194***	Programmable range in soak, pre-wash and wash phases **C-**:** degrees Celsius **F***:** degrees Fahrenheit
C-00 ... C-60 ***F 32 ... F 140***	Programmable range in the pre-wash and last rinse phase **C-**:** degrees Celsius **F***:** degrees Fahrenheit

The ▲/▼ keys allow the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Dosings
This allows the dosing of each phase to be selected.

OPTIONS	MEANING
d-0	Without dosing
d-1	Dosing via pre-wash compartment Pre-wash external dosing signal Programmable in the soak and pre-wash phases (Ph 1…3)
d-2	Dosing via wash compartment Wash external dosing signal Programmable only in the wash phase (Ph 4)
d-3	Dosing via whitening compartment Whitening external dosing signal Programmable in the 1 to 4 rinse phases (Ph 5…8)
d-4	Dosing via softener or neutraliser compartment Softener or neutraliser external dosing signal Programmable only in the last rinse phase (Ph 9)

The external dosing signals are simultaneously activated with the water inlets through the dispenser.
The ▲ key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Rotation sequence
The mechanical action of the washing machine with regard to the laundry is different according to the selected ON/OFF sequence.
Time **ON**: drum rotating
Time **OFF**: drum stopped

OPTIONS	MEANING
r-1	Vigorous sequence rotation: **ON**: 25 sec. **OFF**: 5 sec.
r-2	Normal rotation sequence **ON**: 15 sec. **OFF**: 15 sec.
r-3	Light rotation sequence **ON**: 5 sec. **OFF**: 25 sec.

The ▲key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Rotation time
Rotation time programmed in the phase. Time in minutes.
This time is started once the programmed temperature and level are reached.

OPTIONS	MEANING
1 ... 12	Programmable range in the soak, pre-wash and rinse phases
1 ... 20	Programmable range in the wash phase

The ▲/▼ keys allow the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Gradual cool down
The gradual cooling down of the water is achieved by adding cold water until a temperature of 45 ºC (113 ºF) is reached.
This function will appear only in the wash phase if the programmed temperature is over 50 ºC (122 ºF).

OPTIONS	MEANING
c-0	Gradual cool-down deactivated
c-1	Gradual cool-down activated

The ▲ key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Rinse hold
All the functions of the washing machine stop, maintaining the water inside, with a light rotation of the drum at 15 minute intervals. This is only programmable in the final phase of the program.
This function is designed to prevent the laundry from remaining for a long time inside the drum, once the final spin is finished, thus preventing the appearance of creases.

OPTIONS	MEANING
rh-0	Rinse hold OFF
rh-1	Rinse hold ON

The ▲key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Bath drain
The draining of the water from the washing machine is achieved by activating of the drain system and a drum rotation speed.
Option E-1 implies an unchangeable time value. The duration of options E-2 – E-6 is programmable within a determined range.

OPTIONS	MEANING
E-0	Access to the next phase without draining in the bath
E-1	Drain + wash speed
E-2	Drain + positioning speed
E-3	Drain + low extract speed
E-4	Drain + medium extract speed
E-5	Drain + medium/high extract speed
E-6	Drain + high extract speed Only programmable in the final phase of the program

R.P.M. (G FORCE) FOLLOWING MACHINE MODEL				
OPTIONS	RMS610	RMS613/17 REM033/040	RMS623 REM055	RMS628 REM070
E-1	50	47	44	42
E-2	100	100	100	86
E-3	410	300	300	342
E-4	500	400	400	433
E-5	580	500	500	530
E-6	600(108)	600(125)	600(140)	592(150)

R.P.M. (G FORCE) FOLLOWING MACHINE MODEL					
OPTIONS	HS-6008 EH020	HS-6013 EH030	HS-6017 EH040	HS-6023 EH055	HS-6024 EH060
E-1	50	48	45	43	42
E-2	100	100	100	87	86
E-3	400	400	375	330	350
E-4	600	600	570	525	550
E-5	800	800	750	725	725
E-6	970(283)	1000(351)	950(354)	920(350)	966(400)

The ▲/▼ keys allow the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Spin time
Extract time programmed in the phase. Time in minutes.

OPTIONS	MEANING
n.p.	Draining time E-1 not programmable
2 ... 4	Programmable range not in final phase of the program
2 ... 9	Programmable range in final phase of the program

The ▲/▼ keys allow the user to modify the option displayed.
The ⚙ key validates the displayed selection and ends the phase programming.
The display will show the following phase.
When finalising the programming of the last phase of the program, display shows ***Pr-**** (modified program)

6.6. Information menu. INFO menu

PARAMETERS	MEANING
LOGI ****	Type of control Washer model
EP ****	Software version
Pr	Number of total cycles executed
Pr-*	Number of cycles executed individually by each program
SUD	Number of times the anti-suds function has been activated

Access the ADVANCED USE MODE. Section 6.2. The display shows ***Pro.***
Press the ▲ key. The display shows ***INFO***.
Press the ⚙ key to sequentially access the listing of the different parameters and the values for the corresponding counters.
Once the last option is listed, press the ⚙ key. The display shows ***INFO***.
The ▲/▼ keys allow the user to access to other menus.
To exit the ADVANCED USE MODE press the **START/STOP** key.

6.7. Modifying the operating parameters. Mod menu

The **Mod** menu allows the user to modify the operation parameters of all the programs.
The modifications carried out from **Mod** menu affect the eight programs.

6.7.1. Summary table of the changeable parameters

PARAMETER	MODIFICATION OF	OPTIONS		CE	USA
b	Buzzer	***b-0***	Without buzzer		
		b-1	Low buzzer		
		b-2	Normal buzzer	←	←
		b-3	Strong buzzer		
dt	Information on the display during a program	***dt-0***	Functions display	←	←
		dt-1	Program time remaining display		
C / F	Temperature unit	***C***	Temperature displayed in degrees Celsius	←	
		F	Temperature displayed in degrees Fahrenheit		←
dc	Cleaning the dispenser	***dc-0***	Dispenser cleaning **NO activated**	←	←
		dc-1	Dispenser cleaning **YES activated**		
AC	Program acceleration	***AC-0***	Without acceleration permission		
		AC-1	With acceleration permission	←	←
SP	Suds prevention (note 1)	***SP-0***	Without suds prevention	←	←
		SP-1	Suds prevention option enabled		
tS	Wash temperature selection when starting program	***tS-0***	Wash temperature selection disabled		
		tS-1	Wash temperature selection enabled	←	←
Pg	Hot water purge (note 2)	***Pg-0***	Purge option disabled	←	←
		P250	Maximum purge time: 250 sec.		
Pd	Purge drain selection. (note 3)	***Pd-2***	Purge water outlet via normally opened drain valve	←	←
		Pd-3	Purge water outlet via normally closed drain valve or pump.		
Id	Network identifier	***Id-0***	Disabled communication	←	←
		Id-1..99	Enabled communication		

← Indicates default option following configuration.
Note 1: **EH020** models only.
Note 2: Except models **HS-6008, RMS610 & EH020.**
Note 3: Option available only on models with a double drainage kit installed on the machine and activated on the configuration menu.

6.7.2. Summary table of the changeable parameters Applicable only in the United Kingdom

PARAMETER	MODIFICATION OF	OPTIONS		CE	USA
b	Buzzer	***b-0***	Without buzzer		
		b-1	Low buzzer		
		b-2	Normal buzzer	←	←
		b-3	Strong buzzer		
dt	Information on the display during a program	***dt-0***	Functions display	←	←
		dt-1	Program time remaining display		
C / F	Temperature unit	***C***	Temperature displayed in degrees Celsius	←	
		F	Temperature displayed in degrees Fahrenheit		←
dc	Cleaning the dispenser	***dc-0***	Dispenser cleaning **NO activated**	←	←
		dc-1	Dispenser cleaning **YES activated**		
AC	Program acceleration	***AC-0***	Without acceleration permission		
		AC-1	With acceleration permission	←	←
tS	Wash temperature selection when starting program	***tS-0***	Wash temperature selection disabled		
		tS-1	Wash temperature selection enabled	←	←
JL	Automatic weighing system (notes 1 and 2)	***JL-0***	Option disabled	←	←
		JL-2	Option enabled		
dL	Proportional dosing time (notes 1 and 2)	***dL-0***	Option disabled	←	←
		dL-1	Option enabled		
Pg	Hot water purge (note 3)	***Pg-0***	Purge option disabled	←	←
		P250	Maximum purge time: 250 sec.		
Pd	Purge drain selection. (note 4)	***Pd-2***	Purge water outlet via normally opened drain valve	←	←
		Pd-3	Purge water outlet via normally closed drain valve or pump.		
Id	Network identifier	***Id-0***	Disabled communication	←	←
		Id-1..99	Enabled communication		

← Indicates default option following configuration.
Note 1: The weighing system is only applicable to HS models (Programs: 2, 3, 4 and 7).
Note 2: The automatic weighing system is not applicable to model HS-6024.
Note 3: Except models **HS-6008 & RMS610.**
Note 4: Option available only on models with a double drainage kit installed on the machine and activated on the configuration menu.

6.7.3. Parameter modification sequence

Access to ADVANCED USE MODE. Section 6.2. The display shows ***Pro.***
Press the ▲ key twice. The display shows ***INFO, Mod*** successively.
Press ⚙ key to display the first parameter.

Buzzer
The door safety unlock can be warned by sounding a beep. The duration of this warning is programmable.

OPTIONS	MEANING
b-0	Buzzer OFF
b-1	Low buzzer: two beeps
b-2	Normal buzzer: four beeps
b-3	Strong buzzer: six beeps

The ▲key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Information on the display during a program
Allows the user to select the information to be displayed during the program execution.
If the view functions option is selected, the table in Section 5.1 allows the user to identify the reports on the display with the functions that the washing machine is executing.

OPTIONS	MEANING
dt-0	Display of functions being executed by the washer
dt-1	Display of the program time remaining in minutes

The ▲ key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Temperature unit
The bath water temperature can be displayed in degrees Celsius or Fahrenheit.

OPTIONS	MEANING
C	Temperature unit in degrees Celsius
F	Temperature unit in degrees Fahrenheit

The ▲key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Dispenser cleaning

CAUTION!
DO NOT ACTIVATE THIS OPTION IN MACHINES CONNECTED TO EXTERNAL DOSING INSTALLATIONS.

This option activates the cleaning of the dispenser liquid product compartments by opening their water filling valves to eliminate the possible remaining products.

OPTIONS	MEANING
dc-0	Dispenser cleaning **NO activated**
dc-1	Dispenser cleaning **YES activated**

The ▲/▼ keys allow the user to modify the option displayed.
The key validates the selection on the display and allows the user to access the following programmable function.

Program acceleration
Program acceleration can reduce the time of the programs accessing functions or subsequent phases, or reducing the times of rotation and spinning. There is also the possibility of increasing the rotation times.
The **AC** option enables or disables the use of the **ACCEL** (acceleration) key.

OPTIONS	MEANING
AC-0	Acceleration option disabled
AC-1	Acceleration option enabled

The ▲key allows the user to modify the option displayed.
The key validates the selection on the display and allows the user to access the following programmable function.

Suds prevention program
(**EH020** models only.)
Certain detergents commonly used in some countries produce large quantities of suds and can complicate the proper functioning of the wash programs.
To reduce this problem it is advisable to activate the suds prevention option (**SP-I**). This option modifies the contents of the programmes (see Section 5.3) by increasing rinsing efficiency.

CAUTION!
THE USE OF SOAP CHEMICALS WITH SUDS CONTROL IS RECOMMENDED. DO NOT EXCEED THE RECOMMENDED DOSAGE.

OPTIONS	MEANING
SP-0	Without suds prevention
SP-1	Suds prevention option enabled

The ▲ key allows the user to modify the option displayed.
The key validates the selection on the display and allows the user to access the following programmable function.

One-off wash phase temperature selection
This option allows the user to disable the possibility of modifying the temperature of the wash phase for the program that is currently in use.

OPTIONS	MEANING
tS-0	Wash phase temperature selection disabled
tS-1	Wash phase temperature selection enabled

The ▲key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Automatic weighing system (UK setting only)
This option enables the user to activate the automatic weighing system. HS models only.

OPTIONS	MEANING
JL-0	Automatic weighing system disabled
JL-2	Automatic weighing system enabled

The ▲key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Proportional dosing time (UK setting only)
This option only appears if ***JL-2*** has been programmed in the previous stage.
This modifies the dosing time in proportion to the bath level calculated according to the load detected.

OPTIONS	MEANING
dL-0	Proportional modification of the dosing time deactivated
dL-1	Proportional modification of the dosing time activated

The ▲ key allows the user to modify the option displayed.
The **PRO** key validates the selection on the display and allows the user to access the following programmable function.

Hot water purge
(Option not available on **HS-6008, MS-610, RMS610, EH020 and EM025**)
The purge is an option that keeps the water inlet valve and the drain valve simultaneously open during the programmed time, with the aim of purging the hot water pipe.
The purge function is only executed at the first phase of the program with water filling at a temperature equal to or higher than 86 ºF (30 ºC).
Purge time: programmable in 5 second steps.

OPTIONS	MEANING
Pg-0	Purge disabled
P***	Purge time in seconds (maximum time 250 sec.)

The ▲/▼ keys allows to activate and modify the purge time.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Purge drain
(Option available only on models with a double drainage kit installed on the machine and activated on the configuration menu. Intervention reserved for the Authorised Technical Service)
The parameter only appears if a Purge Time other than 0 has been programmed in the previous parameter.
This option allows selecting the drain through which the purging water will be drained.

OPTIONS	MEANING
Pd-2	Purge water outlet via normally opened drain valve
Pd-3	Purge water outlet via normally closed drain valve or pump.

The ▲/▼ keys allows to activate and modify the purge time.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Network identifier
This parameter assigns a network identifier to the washer. This identifier enables the communication of the washer with the environment through a protocol based on RS-485.
Selected option by default: **Id-0.**

OPTIONS	MEANING
Id-0	Disabled communication
Id-1..99	Enabled communication

For further information, see the Communication Protocol Instruction Manual.

The ▲/▼ keys allows to activate and modify the Network identifier.
Press key ⚙. The display shows **Mod**.
The ▲/▼ keys allow the user to access to other menus.
To exit the ADVANCED USE MODE press the **START/STOP** key.

6.8. Code for accessing the ADVANCED USE MODE. Ncod menu

As described in Section 6.2, the access to the CONFIGURATION mode is restricted by an access code.
This code can be modified by the user if so desired.
The code must always contain a combination of EIGHT numbers.

6.8.1. Modifying of the access code

Access the ADVANCED USE MODE. Section 6.2. The display shows ***Pro.***
Press ▲ key three times. The display shows ***INFO, Mod, NCod successively.***
Press the ⚙ key to set a new code. All the information on the display will disappear.
Enter a combination of eight numbers using the four central keys in the control panel.
The key pressed is shown on the display as follows:

KEY	CORRESPONDENCE
⚙	1
▲	2
⏩	3
▼	4

At the end of the sequence the ***SURE*** report will be shown.
Confirm the new code with the key ⏩.
If you do not wish to validate the new code, press the **START/STOP** key.
In both cases, the display will show ***Ncod***.
The ▲/▼ keys allow the user to access to other menus.
To exit the ADVANCED USE MODE press the **START/STOP** key.

NOTE
If you forget the modified code, call the Service Department to restore the original code.

6.9. System clock. Hour Menu

Access to this menu is only possible if the clock option is available, and it allows the user to enquire and / or modify the time in the system.
The clock must be set at the real time for the proper operation of the starting time.

6.9.1. Setting the clock

Access the ADVANCED USE MODE. Section 6.2. The display shows ***Pro.***
Press the ▲ key four times. The display will show ***INFO, Mod, NCod, Hour*** successively.
When displaying ***Hour*** press the ⚙ key. The ***SURE*** report will be displayed.
The washing machine control requests confirmation of the access command for the time modification.
To exit the ***Hour*** menu, press **START/STOP**.
Press ⏩ key to access and modify the clock time.
The system time is shown on the display in the format: hh.mm (24 hour time format).
The changeable parameters are shown flashing.
Press ⏩ key to pass from the minute modification to the hour modification.
Change the selected value with the ▲/▼ keys.
Press the ⚙ key to validate the selection.
The **START/STOP** key allows the user to exit the menu without validating the modification.
After validating the time selection, ***Hour*** is shown on the display.
The ▲/▼ keys allow the user to access to other menus.
To exit the ADVANCED USE MODE press the **START/STOP** key. The washing machine can execute the programs.

LOGI PRO. SPECIFIC INFORMATION

7. LOGI PRO. WASH PROGRAMS

The washing machine offers the possibility of selecting from among 25 different washing programs. The first 8 programs are devoted to different types of linen and degrees of soiling. The remaining programs have a single content in all their phases and are designed for the user to be able to modify them, thereby creating new programs.
Depending on the AREA OF USE defined in the washing machine SETUP, the original content of the programs varies.
The original content of the programs is defined as indicated in the charts in Section 7.3.
The content of the programs may be modified; see Chapter 8: ADVANCED USE MODE.

7.1. Main reports that appear on the display

Viewing on the display the parameters that the washer is executing during the washing cycle. Value of the ***dt-0*** parameter in the **Mod** menu. (Section 8.5).

REPORT	MEANING
LOAd	Determination of load volume.
Pr-*	Program selected. Machine ready to wash
A-1	Cold water inlet
A-2	Hot water inlet
d-*	First dosing
C- ***F****	Water temperature in degrees Celsius or Fahrenheit
rt-*	Rotation time left
c-*	Cooling temperature
PUSH STAR	Program halt using the **rh** function
Et-*	Spin time remaining
End	End of program. Door unlocked
door	Washer with door open

7.2. Interpretation of the program tables

SYMBOL	OPTION	DESCRIPTION
🕐	**	**Estimated program time** Minimum program time based on a machine with hot water supply and without heating. Time in minutes.
Ph	**	**Phase number** The phase indicated with a grey background belongs to the wash phase.
Y / N	**Y** **N**	**Phase execution** Phase can be executed Phase cannot be executed
L (see note in Section 8.5.3)	**0** **1** **2** **3** **4** **5** **6**	**Bath level** Without water inlet Low level Medium low level Medium level Medium high level High level Extra high level
C / F	**	**Temperature of the bath** Value in degrees Celsius or Fahrenheit
1d	**0** **1** **2** **3** **4**	**First dosing** No dosing Dispensing via Compartment 1 (solid product) Dispensing via Compartment 2 (solid product) Dispensing via Compartment 3 (liquid product) Dispensing via Compartment 4 (liquid product)
dt	**	**First dosing time** Value in seconds (see note in section 8.5.3)
2d	**	**Second dosing** The same parameters as in the first dosing
dt	**	**Second dosing time** Value in seconds
r	**no** **Lo** **Md** **Hi**	**Drum rotation sequence** No rotation in the phase Light rotation sequence: 5 sec. ON / 25 sec. OFF Normal rotation sequence: 15 sec. ON / 15 sec. OFF Vigorous sequence rotation: 25 sec. ON / 5 sec. OFF
rt	**	**Rotation time** Value in minutes
c	**0** **1**	**Gradual cool down** Option not available Option available
rh	**0** **1**	**Program stop** Option not available Option available
E	**0** **1** **2** **4** **6**	**Bath drain** Access to the next phase without draining in the bath Drain + wash speed Drain + positioning speed Drain + medium spin speed Drain + high spin speed
Et	****** **- - - -**	**Spin time** Value in minutes Non programmable function in the phase

7.3. Original content of the washing programs

7.3.1. General application. HS-6008, RMS610, RMG models

Pr - 1. EXTRA HEAVY SOIL — 66 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	20	68	1	30	0	- - -	Hi	1	0	0	0	- - -
2	Y	3	40	104	0	- - -	0	- - -	Hi	6	0	0	1	- - -
3	Y	3	40	104	1	30	0	- - -	Hi	6	0	0	3	3
4	Y	2	80	176	2	30	0	- - -	Hi	12	0	0	1	- - -
5	Y	3	40	104	3	30	0	- - -	Hi	6	0	0	1	- - -
6	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	3	3
7	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	1
8	Y	3	0	32	4	30	0	- - -	Hi	4	0	0	6	7

Pr - 2. HEAVY SOIL – WHITE — 56 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	20	68	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	Y	3	30	86	1	30	0	- - -	Hi	6	0	0	3	3
3	Y	2	60	140	2	30	0	- - -	Hi	10	0	0	2	2
4	Y	3	40	104	3	30	0	- - -	Hi	6	0	0	1	- - -
5	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	3	3
6	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	1
7	Y	3	0	32	4	30	0	- - -	Hi	4	0	0	6	7

Pr - 3. WHITE — 51 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	40	104	1	30	0	- - -	Hi	6	0	0	3	3
2	Y	2	50	122	2	30	0	- - -	Hi	8	0	0	2	2
3	Y	3	30	86	3	30	0	- - -	Hi	6	0	0	1	- - -
4	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	3	3
5	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	1
6	Y	3	0	32	4	30	0	- - -	Hi	4	0	0	6	7

Pr - 4. LIGHT SOIL - WHITE — 37 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	2	40	104	2	30	0	- - -	Hi	6	0	0	0	- - -
2	Y	3	30	86	3	30	0	- - -	Hi	6	0	0	1	- - -
3	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	3	3
4	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	1
5	Y	3	0	32	4	30	0	- - -	Hi	4	0	0	6	7

Pr - 5. HEAVY SOIL – COLOR 51 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	0	32	0	- - -	0	- - -	Hi	4	0	0	1	- - -
2	Y	3	40	104	1	30	0	- - -	Hi	6	0	0	3	3
3	Y	2	50	122	2	30	0	- - -	Hi	10	0	0	2	2
4	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	3	3
5	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	1
6	Y	3	0	32	4	30	0	- - -	Hi	4	0	0	6	7

Pr - 6. MEDIUM SOIL - COLOR 40 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	30	86	1	30	0	- - -	Md	4	0	0	2	2
2	Y	2	40	104	2	30	0	- - -	Hi	8	0	0	2	2
3	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	3	3
4	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	1
5	Y	3	0	32	4	30	0	- - -	Md	4	0	0	6	7

Pr - 7. SYNTHETICS 30 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	40	104	1	30	0	- - -	Md	4	0	0	2	2
2	Y	2	40	104	2	30	0	- - -	Md	6	0	0	2	2
3	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	3	3
4	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	1
5	Y	3	0	32	4	30	0	- - -	Md	4	0	0	6	6

Pr - 8. DELICATES AND WOOL 31 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	4	0	32	1	30	0	- - -	Lo	4	0	0	1	- - -
2	Y	4	30	86	2	30	0	- - -	Lo	9	0	0	1	- - -
3	Y	4	0	32	0	- - -	0	- - -	Lo	2	0	0	1	- - -
4	Y	4	0	32	0	- - -	0	- - -	Lo	2	0	0	1	- - -
5	Y	4	0	32	4	30	0	- - -	Lo	4	0	0	2	2

Pr – 9 … 25. SINGLE CONTENT PROGRAMS 5 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	2	0	32	0	0	0	- - -	Hi	2	0	0	1	- - -

7.3.2. USA/CANADA application. EH020, REM025, RMG models

Pr - 1. EXTRA HEAVY SOIL - WHITE													49 MIN	
Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	40	104	1	30	0	- - -	Hi	6	0	0	3	2
2	Y	3	80	176	2	30	0	- - -	Hi	12	0	0	1	- - -
3	Y	3	60	140	3	30	0	- - -	Hi	6	0	0	3	2
4	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
5	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
6	Y	3	0	32	4	30	0	- - -	Hi	2	0	0	6(*)	6

Pr - 2. HEAVY SOIL - WHITE													42 MIN	
Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	40	104	1	30	0	- - -	Hi	3	0	0	3	2
2	Y	3	66	150	2	30	0	- - -	Hi	8	0	0	1	- - -
3	Y	3	60	140	3	30	0	- - -	Hi	5	0	0	3	2
4	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
5	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
6	Y	3	0	32	4	30	0	- - -	Hi	3	0	0	6(*)	6

Pr - 3. MEDIUM SOIL - WHITE													37 MIN	
Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	60	140	2	30	0	- - -	Hi	10	0	0	1	- - -
2	Y	3	60	140	3	30	0	- - -	Hi	5	0	0	3	2
3	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
4	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
5	Y	3	0	32	4	30	0	- - -	Hi	2	0	0	6(*)	6

Pr - 4. LIGHT SOIL - WHITE													28 MIN	
Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	60	140	2	30	0	- - -	Hi	6	0	0	1	- - -
2	Y	3	60	140	3	30	0	- - -	Hi	4	0	0	3	2
3	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
4	Y	3	0	32	4	30	0	- - -	Hi	2	0	0	6(*)	6

Pr - 5. HEAVY SOIL - COLOR														42 MIN
Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	40	104	1	30	0	- - -	Hi	4	0	0	3	2
2	Y	3	60	140	2	30	0	- - -	Hi	10	0	0	1	- - -
3	Y	3	21	70	0	- - -	0	- - -	Hi	2	0	0	3	2
4	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
5	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
6	Y	3	0	32	4	30	0	- - -	Hi	3	0	0	6(*)	6

Pr - 6. MEDIUM SOIL - COLOR														36 MIN
Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	30	86	1	30	0	- - -	Hi	4	0	0	3	2
2	Y	3	40	104	2	30	0	- - -	Hi	8	0	0	1	- - -
3	Y	3	21	70	0	- - -	0	- - -	Hi	2	0	0	3	2
4	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
5	Y	3	0	32	4	30	0	- - -	Hi	3	0	0	6(*)	6

Pr - 7. SYNTHETICS														29 MIN
Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	40	104	2	30	0	- - -	Hi	8	0	0	1	- - -
2	Y	3	21	70	0	- - -	0	- - -	Hi	2	0	0	3	2
3	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
4	Y	3	0	32	4	30	0	- - -	Hi	3	0	0	6(*)	6

Pr - 8. WOOL AND DELICATES														27 MIN
Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	30	86	2	30	0	- - -	Md	8	0	0	2	2
2	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
3	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
4	Y	3	0	32	4	30	0	- - -	Md	3	0	0	5	4

Pr – 9 … 25. SINGLE CONTENT PROGRAMS														5 MIN
Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	2	0	32	0	0	0	- - -	Hi	2	0	0	1	- - -

(*) In Models RMG033/40/55/70 the default spin value is 5.

7.3.3. United Kingdom application. HS-6008, RMS610, RMG models

Pr - 1. HEALTHCARE SLUICE — 43 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	Y	3	0	32	1	30	0	- - -	Hi	2	0	0	1	- - -
3	Y	2	67	153	2	30	0	- - -	Hi	11	0	0	2	2
4	Y	3	0	32	3	30	0	- - -	Hi	3	0	0	1	- - -
5	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
6	Y	4	0	32	4	30	0	- - -	Hi	4	0	0	6	7

Pr - 2. HEAVY SOIL — 37 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	0	32	1	- - -	0	- - -	Hi	3	0	0	3	3
2	Y	2	55	131	2	30	0	- - -	Hi	6	0	0	2	2
3	Y	3	0	32	3	30	0	- - -	Hi	2	0	0	3	3
4	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
5	Y	3	0	32	4	30	0	- - -	Md	3	0	0	6	7

Pr - 3. ECO. 60 e^w — 32 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	60	140	2	30	0	- - -	Hi	10	0	0	2	1
2	Y	4	0	32	0	- - -	0	- - -	Hi	3	0	0	1	- - -
3	Y	4	0	32	4	30	0	- - -	Hi	3	0	0	6	9

Pr - 4. LIGHT SOIL — 32 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	2	40	104	2	30	0	- - -	Hi	6	0	0	1	- - -
2	Y	3	0	32	3	30	0	- - -	Md	4	0	0	3	3
3	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
4	Y	3	0	32	4	30	0	- - -	Hi	4	0	0	6	7

Pr - 5. COLOR — 48 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	3	0	32	0	- - -	0	- - -	Md	4	0	0	1	- - -
2	Y	3	0	32	1	30	0	- - -	Md	6	0	0	3	3
3	Y	2	40	104	2	30	0	- - -	Hi	7	0	0	2	2
4	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	3	3
5	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
6	Y	3	0	32	4	30	0	- - -	Md	4	0	0	6	7

Pr - 6. ECO EXPRESS 40°C — 28 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	2	40	104	2	- - -	0	- - -	Hi	6	0	0	2	2
2	Y	3	0	32	0	30	0	- - -	Md	3	0	0	3	3
3	Y	3	0	32	4	30	0	- - -	Md	4	0	0	6	7

Pr - 7. SYNTHETICS														29 MIN
Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	2	40	104	2	30	0	- - -	Md	5	0	0	2	2
2	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	3	3
3	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
4	Y	3	0	32	4	30	0	- - -	Md	4	0	0	6	6

Pr - 8. WOOL AND DELICATES														32 MIN
Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	4	0	32	1	30	0	- - -	Lo	3	0	0	1	- - -
2	Y	3	30	86	2	30	0	- - -	Md	8	1	0	1	- - -
3	Y	4	0	32	0	- - -	0	- - -	Lo	3	0	0	1	- - -
4	Y	4	0	32	0	- - -	0	- - -	Lo	2	0	0	1	- - -
5	Y	4	0	32	4	30	0	- - -	Lo	4	0	0	4	3

Pr – 9 … 25. SINGLE CONTENT PROGRAMS														5 MIN
Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	Y	2	0	32	0	0	0	- - -	Hi	2	0	0	1	- - -

8. LOGI PRO. ADVANCED USE MODE

There is an ADVANCED USE mode: This mode includes five different menus by means of which each user can personalise the operation of the washing machine.

8.1. ADVANCED MODE menus

MENU	PURPOSE
Pro	Programming menu. Modification of the program contents
INFO	Information menu
Mod	Modification of the general operating parameters menu
Ncod	Modification of the access code menu
HOUR	Adjustment of the system time menu

8.2. Access to ADVANCED MODE

Connect the washer and open the door. The display will show ***door***.
Hold down the ⚙ key until the display shows ***Cod***.
Enter the access code into the menus by pressing the sequence of eight keys of the code without interruption.
In basic configuration (factory set) the code to access the ADVANCED USE MODE is: **12341234**

Numerical correspondence of each key

KEY	CORRESPONDENCE
⚙	1
▲	2
⏩	3
▼	4

If the sequence entered is correct, the display will show ***Pro***, corresponding to the first menu.
The ▲/▼ keys allow the user to select the precedent table menus. The menu selected is shown on the display following its keyword. To enter the menu, press the ⚙ key when displaying it.

If you wish to skip the ADVANCED USE MODE, press **START/STOP** and the machine will return to the program execution mode.

8.3. Modifying the contents of programs. Menu Pro

In its original configuration the washer presents the first eight programs with a content adapted to a broad sector of use.
The content of the remaining programs is the same in all the phases.
The content of each program can be modified to adapt it to specific needs of different areas.
The modifications are always made within the limits set by a PROGRAMMING VECTORS that includes the possible programmable parameters and the maximum and minimum values of certain options.
At the start of each phase, a parameter of the value ***Ph-Y*** / ***Ph-N*** (executable phase ***YES*** / executable phase **NO**) will allow the user to determine whether the accessed phase should either be executed or omitted.
Once the phase is defined as to be executed, proceed to the display and modification (if desired) of the parameters or values of the phase.

In the **LOGI PRO CONTROL**, the programmable values are the same in all the phases of all the programs.
Phase 11 is always of obligatory execution since it defines the end of the program.

8.4. Initial program content

8.4.1. General application. HS-6008, RMS610, RMG models

Pr - 1. EXTRA HEAVY SOIL — 66 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
3	Y	3	20	68	1	30	0	- - -	Hi	1	0	0	0	- - -
4	Y	3	40	104	0	- - -	0	- - -	Hi	6	0	0	1	- - -
5	Y	3	40	104	1	30	0	- - -	Hi	6	0	0	3	3
6	Y	2	80	176	2	30	0	- - -	Hi	12	0	0	1	- - -
7	Y	3	40	104	3	30	0	- - -	Hi	6	0	0	1	- - -
8	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
9	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	3	3
10	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	1
11	Y	3	0	32	4	30	0	- - -	Hi	4	0	0	6	7

Pr - 2. HEAVY SOIL – WHITE — 56 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
3	N	3	20	68	0	- - -	0	- - -	Hi	4	0	0	1	- - -
4	Y	3	20	68	0	- - -	0	- - -	Hi	2	0	0	1	- - -
5	Y	3	30	86	1	30	0	- - -	Hi	6	0	0	3	3
6	Y	2	60	140	2	30	0	- - -	Hi	10	0	0	2	2
7	Y	3	40	104	3	30	0	- - -	Hi	6	0	0	1	- - -
8	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
9	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	3	3
10	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	1
11	Y	3	0	32	4	30	0	- - -	Hi	4	0	0	6	7

Pr - 3. WHITE — 51 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
3	N	3	30	86	0	- - -	0	- - -	Hi	4	0	0	1	- - -
4	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
5	Y	3	40	104	1	30	0	- - -	Hi	6	0	0	3	3
6	Y	2	50	122	2	30	0	- - -	Hi	8	0	0	2	2
7	Y	3	30	86	3	30	0	- - -	Hi	6	0	0	1	- - -
8	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
9	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	3	3
10	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	1
11	Y	3	0	32	4	30	0	- - -	Hi	4	0	0	6	7

Pr - 4. LIGHT SOIL - WHITE — 37 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
3	N	3	30	86	0	- - -	0	- - -	Hi	4	0	0	1	- - -
4	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
5	N	3	30	86	1	30	0	- - -	Hi	6	0	0	3	3
6	Y	2	40	104	2	30	0	- - -	Hi	6	0	0	0	- - -
7	Y	3	30	86	3	30	0	- - -	Hi	6	0	0	1	- - -
8	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
9	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	3	3
10	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	1
11	Y	3	0	32	4	30	0	- - -	Hi	4	0	0	6	7

Pr - 5. HEAVY SOIL – COLOR 51 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
3	N	3	40	104	0	- - -	0	- - -	Hi	4	0	0	1	- - -
4	Y	3	0	32	0	- - -	0	- - -	Hi	4	0	0	1	- - -
5	Y	3	40	104	1	30	0	- - -	Hi	6	0	0	3	3
6	Y	2	50	122	2	30	0	- - -	Hi	10	0	0	2	2
7	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
8	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
9	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	3	3
10	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	1
11	Y	3	0	32	4	30	0	- - -	Hi	4	0	0	6	7

Pr - 6. MEDIUM SOIL - COLOR 40 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
3	N	3	30	86	0	- - -	0	- - -	Md	4	0	0	1	- - -
4	N	3	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
5	Y	3	30	86	1	30	0	- - -	Md	4	0	0	2	2
6	Y	2	40	104	2	30	0	- - -	Hi	8	0	0	2	2
7	N	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
8	N	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
9	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	3	3
10	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	1
11	Y	3	0	32	4	30	0	- - -	Md	4	0	0	6	7

Pr - 7. SYNTHETICS 30 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
3	N	4	30	86	0	- - -	0	- - -	Md	4	0	0	1	- - -
4	N	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
5	Y	3	40	104	1	30	0	- - -	Md	4	0	0	2	2
6	Y	2	40	104	2	30	0	- - -	Md	6	0	0	2	2
7	N	4	0	86	0	- - -	0	- - -	Md	2	0	0	1	- - -
8	N	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
9	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	3	3
10	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	1
11	Y	3	0	32	4	30	0	- - -	Md	4	0	0	6	6

Pr - 8. DELICATES AND WOOL 31 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
3	N	4	0	32	0	- - -	0	- - -	Lo	4	0	0	1	- - -
4	N	4	0	32	0	- - -	0	- - -	Lo	2	0	0	1	- - -
5	Y	4	0	32	1	30	0	- - -	Lo	4	0	0	1	- - -
6	Y	4	30	86	2	30	0	- - -	Lo	9	0	0	1	- - -
7	N	4	0	32	0	- - -	0	- - -	Lo	2	0	0	1	- - -
8	N	4	0	32	0	- - -	0	- - -	Lo	2	0	0	1	- - -
9	Y	4	0	32	0	- - -	0	- - -	Lo	2	0	0	1	- - -
10	Y	4	0	32	0	- - -	0	- - -	Lo	2	0	0	1	- - -
11	Y	4	0	32	4	30	0	- - -	Lo	4	0	0	2	2

Pr – 9 … 25. SINGLE CONTENT PROGRAMS 5 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1…10	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
11	Y	2	0	32	0	0	0	- - -	Hi	2	0	0	1	- - -

8.4.2. USA/CANADA application. EH020, REM025, RMG models

Pr - 1. EXTRA HEAVY SOIL - WHITE — 49 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
2	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
3	N	3	40	104	1	30	0	---	Hi	4	0	0	1	---
4	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
5	Y	3	40	104	1	30	0	---	Hi	6	0	0	3	2
6	Y	3	80	176	2	30	0	---	Hi	12	0	0	1	---
7	Y	3	60	140	3	30	0	---	Hi	6	0	0	3	2
8	N	4	0	32	0	---	0	---	Hi	1	0	0	1	---
9	Y	4	0	32	0	---	0	---	Hi	2	0	0	1	---
10	Y	4	0	32	0	---	0	---	Hi	2	0	0	1	---
11	Y	3	0	32	4	30	0	---	Hi	2	0	0	6(*)	6

Pr - 2. HEAVY SOIL - WHITE — 42 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
2	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
3	N	3	40	104	0	---	0	---	Hi	4	0	0	1	---
4	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
5	Y	3	40	104	1	30	0	---	Hi	3	0	0	3	2
6	Y	3	66	151	2	30	0	---	Hi	8	0	0	1	---
7	Y	3	60	140	3	30	0	---	Hi	5	0	0	3	2
8	N	4	0	32	0	---	0	---	Hi	1	0	0	1	---
9	Y	4	0	32	0	---	0	---	Hi	2	0	0	1	---
10	Y	4	0	32	0	---	0	---	Hi	2	0	0	1	---
11	Y	3	0	32	4	30	0	---	Hi	3	0	0	6(*)	6

Pr - 3. MEDIUM SOIL - WHITE — 37 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
2	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
3	N	3	30	86	0	---	0	---	Hi	4	0	0	1	---
4	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
5	N	3	30	86	1	30	0	---	Hi	6	0	0	3	3
6	Y	3	60	140	2	30	0	---	Hi	10	0	0	1	---
7	Y	3	60	140	3	30	0	---	Hi	5	0	0	3	2
8	N	4	0	32	0	---	0	---	Hi	1	0	0	1	---
9	Y	4	0	32	0	---	0	---	Hi	2	0	0	1	---
10	Y	4	0	32	0	---	0	---	Hi	2	0	0	1	---
11	Y	3	0	32	4	30	0	---	Hi	2	0	0	6(*)	6

Pr - 4. LIGHT SOIL - WHITE — 28 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
2	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
3	N	3	30	86	0	---	0	---	Hi	4	0	0	1	---
4	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
5	N	3	30	86	1	30	0	---	Hi	6	0	0	3	3
6	Y	3	60	140	2	30	0	---	Hi	6	0	0	1	---
7	Y	3	60	140	3	30	0	---	Hi	4	0	0	3	2
8	N	4	0	32	0	---	0	---	Hi	1	0	0	1	---
9	N	4	0	32	0	---	0	---	Hi	1	0	0	1	---
10	Y	4	0	32	0	---	0	---	Hi	2	0	0	1	---
11	Y	3	0	32	4	30	0	---	Hi	2	0	0	6(*)	6

Pr - 5. HEAVY SOIL - COLOR													42 MIN	
Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
2	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
3	N	3	40	104	0	---	0	---	Md	4	0	0	1	---
4	N	3	0	32	0	---	0	---	Md	4	0	0	1	---
5	Y	3	40	104	1	30	0	---	Hi	4	0	0	3	2
6	Y	3	60	140	2	30	0	---	Hi	10	0	0	1	---
7	Y	3	21	70	0	---	0	---	Hi	2	0	0	3	2
8	N	4	0	32	0	---	0	---	Md	1	0	0	1	---
9	Y	4	0	32	0	---	0	---	Hi	2	0	0	1	---
10	Y	4	0	32	0	---	0	---	Hi	2	0	0	1	---
11	Y	3	0	32	4	30	0	---	Hi	3	0	0	6(*)	6

Pr - 6. MEDIUM SOIL - COLOR													36 MIN	
Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
2	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
3	N	3	30	86	0	---	0	---	Md	4	0	0	1	---
4	N	3	0	32	0	---	0	---	Md	2	0	0	1	---
5	Y	3	30	86	1	30	0	---	Hi	4	0	0	3	2
6	Y	3	40	104	2	30	0	---	Hi	8	0	0	1	---
7	Y	3	21	70	0	---	0	---	Hi	2	0	0	3	2
8	N	4	0	32	0	---	0	---	Md	1	0	0	1	---
9	N	4	0	32	0	---	0	---	Md	1	0	0	1	---
10	Y	4	0	32	0	---	0	---	Hi	2	0	0	1	---
11	Y	3	0	32	4	30	0	---	Hi	3	0	0	6(*)	6

Pr - 7. SYNTHETICS													29 MIN	
Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
2	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
3	N	4	0	32	0	---	0	---	Md	4	0	0	1	---
4	N	4	0	32	0	---	0	---	Md	2	0	0	1	---
5	N	3	0	32	1	30	0	---	Md	4	0	0	2	2
6	Y	3	40	104	2	30	0	---	Hi	8	0	0	1	---
7	Y	3	21	70	0	---	0	---	Hi	2	0	0	3	2
8	N	4	0	32	0	---	0	---	Md	1	0	0	1	---
9	N	4	0	32	0	---	0	---	Md	1	0	0	1	---
10	Y	4	0	32	0	---	0	---	Hi	2	0	0	1	---
11	Y	3	0	32	4	30	0	---	Hi	3	0	0	6(*)	6

Pr - 8. WOOL AND DELICATES													27 MIN	
Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
2	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
3	N	4	0	32	0	---	0	---	Lo	4	0	0	1	---
4	N	4	0	32	0	---	0	---	Lo	2	0	0	1	---
5	N	4	0	32	1	30	0	---	Lo	4	0	0	1	---
6	Y	3	30	86	2	30	0	---	Md	8	0	0	2	2
7	N	3	0	32	0	---	0	---	Md	2	0	0	1	---
8	N	4	0	32	0	---	0	---	Md	1	0	0	1	---
9	Y	4	0	32	0	---	0	---	Md	2	0	0	1	---
10	Y	4	0	32	0	---	0	---	Md	2	0	0	1	---
11	Y	3	0	32	4	30	0	---	Md	3	0	0	5	4

Pr – 9 … 25. SINGLE CONTENT PROGRAMS													5 MIN	
Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1…10	N	3	0	32	0	---	0	---	Hi	2	0	0	1	---
11	Y	2	0	32	0	0	0	---	Hi	2	0	0	1	---

(*) In Models RMG033/40/55/70 the default spin value is 5.

8.4.3. United Kingdom application. HS-6008, RMS610, RMG models

Pr - 1. HEALTHCARE SLUICE													43 MIN	
Ph	**Y/N**	**L**	**C**	**F**	**1d**	**dt**	**2d**	**dt**	**r**	**rt**	**c**	**rh**	**E**	**Et**
1	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
3	N	3	40	104	1	30	0	- - -	Hi	4	0	0	1	- - -
4	Y	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
5	Y	3	0	32	1	30	0	- - -	Hi	2	0	0	1	- - -
6	Y	2	67	153	2	30	0	- - -	Hi	11	0	0	2	2
7	Y	3	0	32	3	30	0	- - -	Hi	3	0	0	1	- - -
8	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
9	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
10	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
11	Y	4	0	32	4	30	0	- - -	Hi	4	0	0	6	7

Pr - 2. HEAVY SOIL													37 MIN	
Ph	**Y/N**	**L**	**C**	**F**	**1d**	**dt**	**2d**	**dt**	**r**	**rt**	**c**	**rh**	**E**	**Et**
1	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
3	Y	3	40	104	0	- - -	0	- - -	Hi	4	0	0	1	- - -
4	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
5	Y	3	0	32	1	30	0	- - -	Hi	3	0	0	3	3
6	Y	2	55	131	2	30	0	- - -	Hi	6	0	0	2	2
7	Y	3	0	32	3	30	0	- - -	Hi	2	0	0	3	3
8	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
9	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
10	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
11	Y	3	0	32	4	30	0	- - -	Md	3	0	0	6	7

Pr - 3. ECO. 60 e^w													32 MIN	
Ph	**Y/N**	**L**	**C**	**F**	**1d**	**dt**	**2d**	**dt**	**r**	**rt**	**c**	**rh**	**E**	**Et**
1	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
3	N	3	30	86	0	- - -	0	- - -	Hi	4	0	0	1	- - -
4	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
5	N	3	40	104	1	30	0	- - -	Hi	6	0	0	3	3
6	Y	3	60	140	2	30	0	- - -	Hi	10	0	0	2	1
7	Y	4	0	32	0	- - -	0	- - -	Hi	3	0	0	1	- - -
8	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
9	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
10	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
11	Y	4	0	32	4	30	0	- - -	Hi	3	0	0	6	9

Pr - 4. LIGHT SOIL													32 MIN	
Ph	**Y/N**	**L**	**C**	**F**	**1d**	**dt**	**2d**	**dt**	**r**	**rt**	**c**	**rh**	**E**	**Et**
1	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
3	N	3	30	86	0	- - -	0	- - -	Hi	4	0	0	1	- - -
4	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
5	N	3	30	104	1	30	0	- - -	Hi	6	0	0	3	3
6	Y	2	40	104	2	30	0	- - -	Hi	6	0	0	1	- - -
7	Y	3	0	32	3	30	0	- - -	Md	4	0	0	3	3
8	Y	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
9	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
10	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
11	Y	3	0	32	4	30	0	- - -	Hi	4	0	0	6	7

Pr - 5. COLOR 48 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
3	N	3	40	104	0	30	0	- - -	Md	4	0	0	1	- - -
4	Y	3	0	32	0	- - -	0	- - -	Md	4	0	0	1	- - -
5	Y	3	0	32	1	30	0	- - -	Md	6	0	0	3	3
6	Y	2	40	104	2	30	0	- - -	Hi	7	0	0	2	2
7	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	3	3
8	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
9	N	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
10	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
11	Y	3	0	32	4	30	0	- - -	Md	4	0	0	6	7

Pr - 6. ECO EXPRESS 40°C 28 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
3	N	3	30	86	0	- - -	0	- - -	Md	4	0	0	1	- - -
4	N	3	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
5	N	3	40	104	1	30	0	- - -	Md	4	0	0	2	2
6	Y	2	40	104	2	30	0	- - -	Hi	6	0	0	2	2
7	Y	3	0	32	0	- - -	0	- - -	Md	3	0	0	3	3
8	N	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
9	N	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
10	N	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
11	Y	3	0	32	4	30	0	- - -	Md	4	0	0	6	7

Pr - 7. SYNTHETICS 29 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
3	N	4	30	86	0	- - -	0	- - -	Md	4	0	0	1	- - -
4	N	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
5	N	3	40	104	1	30	0	- - -	Md	4	0	0	2	2
6	Y	2	40	104	2	30	0	- - -	Md	5	0	0	2	2
7	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	3	3
8	N	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
9	N	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
10	Y	4	0	32	0	- - -	0	- - -	Md	2	0	0	1	- - -
11	Y	3	0	32	4	30	0	- - -	Md	4	0	0	6	6

Pr - 8. WOOL AND DELICATES 32 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
2	N	4	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
3	N	4	0	32	0	- - -	0	- - -	Lo	4	0	0	1	- - -
4	N	4	0	32	0	- - -	0	- - -	Lo	2	0	0	1	- - -
5	Y	4	0	32	1	30	0	- - -	Lo	3	0	0	1	- - -
6	Y	3	30	86	2	30	0	- - -	Md	8	1	0	1	- - -
7	Y	4	0	32	0	- - -	0	- - -	Lo	3	0	0	1	- - -
8	N	4	0	32	0	- - -	0	- - -	Lo	2	0	0	1	- - -
9	N	4	0	32	0	- - -	0	- - -	Lo	2	0	0	1	- - -
10	Y	4	0	32	0	- - -	0	- - -	Lo	2	0	0	1	- - -
11	Y	4	0	32	4	30	0	- - -	Lo	4	0	0	4	3

Pr – 9 … 25.SINGLE CONTENT PROGRAMS 5 MIN

Ph	Y/N	L	C	F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1…10	N	3	0	32	0	- - -	0	- - -	Hi	2	0	0	1	- - -
11	Y	3	0	32	0	0	0	- - -	Hi	2	0	0	1	- - -

8.5. Modifying a program

8.5.1. Programming vectors

PHASE	Ph	L	C / F	1d	dt	2d	dt	r	rt	c	rh	E	Et
1…10	Y / N	0…6	0 ... 90 32 ... 194	0…4	1…99	0…4	1…99	no, Lo, Md, Hi	0...20	0 / 1	0 / 1	0 / 1…6	n.p. 2...9
11	Y	0…6	0 ... 90 32 ... 194	0…4	1…99	0…4	1…99	no, Lo, Md, Hi	0...20	0 / 1	0 / 1	1…6	n.p. 2...9

8.5.2. Definition of programmable functions and values for each phase

FUNCTION	CONCEPT	OPTIONS	
Ph	Phase execution	***Ph-Y***	Phase can be executed
		Ph-N	Phase cannot be executed
L	Bath level (see note in Section 8.5.3)	***L-0***	Without water inlet
		L-1	Low level
		L-2	Medium low level
		L-3	Medium level
		L-4	Medium high level
		L-5	High level
		L-6	Extra high level
C / F	Temperature of the bath	***0 / 90***	Programmable range in degrees Celsius
		32 / 194	Programmable range in degrees Fahrenheit
1d	First dosing	***1d-0***	Phase without dosing
		1d-1	Dosing via compartment 1 (powder) External dosing signal 1
		1d-2	Dosing via compartment 2 (powder) External dosing signal 2
		1d-3	Dosing via compartment 3 (liquid) External dosing signal 3
		1d-4	Dosing via compartment 4 (liquid) External dosing signal 4
t	First dosing time	***0 / 99***	Value in seconds (see note in section 8.5.3)
2d	Second dosing	***2d-****	The same parameters as in the first dosing
t	Second dosing time	***1 / 99***	Value in seconds
r	Rotation sequence	***no***	No rotation in the phase
		Lo	Light rotation sequence: ON: 5 sec. / OFF: 25 sec.
		Md	Normal rotation sequence: ON: 15 sec. / OFF: 15 sec.
		Hi	Vigorous rotation sequence: ON: 5 sec./ OFF: 25 sec.pm
rt	Rotation time	***1...20***	Value in minutes
c	Gradual cool down	***0***	Without gradual cool-down
		n.p	Gradual cool-down activated
rh	Program stop	***0***	Without program stop
		1	Program stop activated
E	Bath drain	***0***	Access to the next phase without draining in the bath
		1	Drain + wash speed
		2	Drain + positioning speed
		3	Drain + low extract speed
		4	Drain + medium spin speed
		5	Drain + medium/high extract speed
		6	Drain + high spin speed
Et	Extract time	**	Time in minutes.

8.5.3. Program modification sequence

Access the ADVANCED USE MODE (Section 8.2). The display shows ***Pro***.
Press the key to access the PROGRAMMING menu.
The display shows ***Pr-1***. Program 1 is ready for modification. The ▲/▼ keys allow the user to select another program. Press the key to access the modification of the displayed program.
The display shows ***Pr-1***. Phase 1 is ready for modification. The ▲/▼ keys allow the user to select another phase. Press the key to start modifying the values of the selected phase.
When the number of the phase is displayed (at the start of phase), the **START/STOP** key is used to finalise the program modification.
Once a program modification has been finalised, the display will show the ***Pr-**** report (modified program). Pressing the **START/STOP** key allows the user to access the higher level of the menu. Pressing twice consecutively allows the user to exit the ADVANCED USE MODE.

Activation of the phase
Allows the user to program the execution of the selected phase.
Once the desired phase to be modified has been selected, press the key. The display shows ***Ph-****.

OPTIONS	MEANING
Ph-Y	The phase to be executed is available
Ph-N	The phase to be executed is unavailable

The ▲key allows the user to modify the option displayed.
The key validates the selection on the display and allows the user to access the following programmable function.

Bath level
Bath level allows the selection of the bath level inside the washer.

OPTIONS	MEANING
L-0	Without water inlet
L-1	Low level
L-2	Medium low level
L-3	Medium level
L-4	Medium high level
L-5	High level
L-6	Extra high level

The ▲/▼ keys allow the user to modify the option displayed.
The key validates the selection on the display and allows the user to access the following programmable function.

CAUTION!
Programming levels L4, L5 and L6 IS NOT ALLOWED in models with a pump drain or drain closed without power supply**.**

Temperature of the bath
Allows the water temperature to be modified

OPTIONS	MEANING
C-00 ... C-90 ***F 32 ... F 194***	Programmable values **C-****:degrees Celsius **F*****:degrees Fahrenheit

The ▲/▼ keys allow the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

First dosing
This allows the dosing of each phase to be selected.
The simultaneous dosing of two products can be programmed in each phase. The programming option for the second product will only appear if product dosing has been programmed in the first dosing.

OPTIONS	MEANING
1d-0	Phase without dosing
1d-1	Dosing via compartment 1 (powder) External dosing signal 1
1d-2	Dosing via compartment 2 (powder) External dosing signal 2
1d-3	Dosing via compartment 3 (liquid) External dosing signal 3
1d-4	Dosing via compartment 4 (liquid) External dosing signal 4

The external dosing signals are simultaneously connected with the water inlets via the dispenser.
The ▲ key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

First dosing time
Duration of the first dosing programmed in the phase.
This option will only appear if product dosing has been programmed in the first dosing.
The dosing time controls both the duration of the opening of the valve for entry of water into the dispenser and the signal for activating the external dosing.

CAUTION!
IT IS NOT ADVISABLE TO REDUCE THE DISPENSING TIME IN MACHINES THAT ARE NOT CONNECTED TO EXTERNAL DISPENSING EQUIPMENT.
Default values of the program tables may slightly vary depending on the machine model.

OPTIONS	MEANING
1 ... 99	Programmable range. Value in seconds

The ▲/▼ keys allow the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Second dosing and second dosing time
This allows the user to select the second dosing of each phase and its corresponding duration.
The second dosing is initiated at the same time as the first dosing.
These options only appear if the product dosing has been programmed in the first dosing.
Programmable options and range as in the first dosing.

Rotation sequence
The mechanical action of the washing machine on the linen is different depending on the rotation sequence selected.

OPTIONS	ROTATION SEQUENCE	REVERSE	R.P.M. FOLLOWING MACHINE MODEL			
			HS-6008 RMS610 EH020 REM025	RMG613/17 RMG033/040	RMG623 RMG055	RMG628 RMG070
no	No rotation in the phase	- - - - -	- - - -	- - - -	- - - -	- - - -
Lo	Low	ON: 5 sec. OFF: 25 sec.	25	30	30	20
Md	Normal	ON: 15 sec. OFF: 15 sec.	35	37	37	36
Hi	High	ON: 25 sec. OFF: 5 sec.	50	47	44	42

Time **ON**: drum rotating
Time **OFF**: drum stopped
The speeds may vary slightly depending on the type of load.

The ▲key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Gradual cool down
The gradual cooling down of the water is achieved by adding cold water until a temperature of 45 ºC (113 ºF) is reached.
This function will appear only if the programmed temperature in the phase is over 50 ºC (122 ºF).

OPTIONS	MEANING
c-0	Gradual cool-down deactivated
c-1	Gradual cool-down activated

The ▲ key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Program stop
All the functions of the washing machine stop, maintaining the water inside, with a light rotation of the drum at 15 minute intervals.
This option can be programmed in any phase of the program.
When programmed before the final phase spin, the indicator light for the function lights up on the control panel.

OPTIONS	MEANING
rh-0	Program stop deactivated
rh-1	Program stop active in the phase

The ▲ key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Bath drain
The emptying of the washing machine bath involves activating the draining system, and the selection of a drum rotation speed.
Option E-1 implies an unchangeable time value. The duration of options E-2...E-6 is programmable within a determined range.

	MEANING	R.P.M. (G FORCE) FOLLOWING MACHINE MODEL					
		HS-6008 EH020	RMS610 REM025	RMG613 RMG033	RMG617 RMG040	RMG623 RMG055	RMG628 RMG070
E-0	Without draining Access to the next phase	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -
E-1	Drain + wash speed	50	50	44	47	47	45
E-2	Drain + positioning speed	100	100	100	100	100	100
E-3	Drain + low extract speed	400(50)	400(50)	380(50)	380(50)	360(50)	342(50)
E-4	Drain + medium spin speed	600(110)	500(75)	574(115)	574(115)	505(100)	485100)
E-5	Drain + medium/high extract speed	800(190)	580(100)	635(140)	635(140)	600(140)	570(140)
E-6	Drain + high spin speed	970(280)	600(108)	760(200)	760(200)	715(200)	685(200)

The ▲/▼ keys allow the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Spin time
Extract time programmed in the phase. Time in minutes.

OPTIONS	MEANING
n.p.	Draining time E-1 not programmable
2 ... 9	Programmable values

The ▲/▼ keys allow the user to modify the option displayed.
The ⚙ key validates the displayed selection and ends the phase programming.
The display will show the following phase.
When finalising the programming of the last phase of the program, the display shows ***Pr-**** (modified program).
The ▲/▼ keys allow the user to select another program in the PROGRAMMING menu.

8.6. Information menu. INFO menu

PARAMETERS	MEANING
LOGI ****	Type of control Washer model
EP ****	Software version
Pr	Number of total cycles executed
Pr-*	Number of cycles executed individually by each program
SUD	Number of times the anti-suds function has been activated

Access the ADVANCED USE MODE. Section 8.2. The display shows ***Pro.***
Press the ▲key. The display shows ***INFO.***
Press the ⚙ key to sequentially access the listing of the different parameters and the values for the corresponding counters.
Once the last option is listed, press the ⚙ key. The display shows ***INFO***.
The ▲/▼ keys allow the user to access to other menus.
To exit the ADVANCED USE MODE press the **START/STOP** key.

8.7. Modifying the operating parameters. Mod menu

The **Mod** menu allows the user to modify the operation parameters of all the programs.
The modifications carried out from **Mod** menu affects all programs.

8.7.1. Summary table of the changeable parameters

PARAMETER	MODIFICATION OF	OPTIONS		CE	USA
b	Buzzer	***b-0***	Without buzzer		
		b-1	Low buzzer		
		b-2	Normal buzzer	←	←
		b-3	Strong buzzer		
dt	Information on the display during a program	***dt-0***	Functions display	←	←
		dt-1	Program time remaining display		
C / F	Temperature unit	***C***	Temperature unit in degrees Celsius	←	
		F	Temperature unit in degrees Fahrenheit		←
dc	Cleaning the dispenser	***dc-0***	Dispenser cleaning **NO activated**	←	←
		dc-1	Dispenser cleaning **YES activated**		
AC	Program acceleration	***AC-0***	Without acceleration permission		
		AC-1	With acceleration permission	←	←
JL	Proportional water level	***JL-0***	Option disabled	←	←
		JL-1	Option enabled		
dL	Proportional dosing time	***dL-0***	Option disabled	←	←
		dL-1	Option enabled		
Pg	Hot water purge	***PG-0***	Purge option disabled	←	←
		PG***	Maximum purge time: 250 sec.		
Id	Network identifier	***Id-0***	Disabled communication	←	←
		Id-1..99	Enabled communication		

← Indicates default option following configuration.

8.7.2. Parameter modification sequence

Access to ADVANCED USE MODE. Section 8.2. The display shows ***Pro.***
Press the ▲ key twice. The display shows ***INFO, Mod*** successively.
Press ⚙ key to display the first parameter.

Buzzer
The door safety unlock can be warned by sounding a beep. The duration of this warning is programmable.

OPTIONS	MEANING
b-0	Buzzer OFF
b-1	Low buzzer: two beeps
b-2	Normal buzzer: four beeps
b-3	Strong buzzer: six beeps

The ▲ key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Information on the display during a program
Allows the user to select the information to be displayed during the program execution.
If the View Functions option is selected, the table in Section 7.1 allows the user to identify the reports displayed with the functions that the washing machine is executing.

OPTIONS	MEANING
dt-0	Display of functions being executed by the washer
dt-1	Display of the program time remaining in minutes

The ▲ key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Temperature unit
The bath water temperature can be displayed in degrees Celsius or Fahrenheit.

OPTIONS	MEANING
C	Temperature unit in degrees Celsius
F	Temperature unit in degrees Fahrenheit

The ▲ key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Dispenser cleaning

⚠ CAUTION!
DO NOT ACTIVATE THIS OPTION IN MACHINES CONNECTED TO EXTERNAL DOSING INSTALLATIONS.

This option activates the cleaning of the dispenser liquid product compartments by opening their water filling valves to eliminate the possible remaining products.

OPTIONS	MEANING
dc-0	Dispenser cleaning **NO activated**
dc-1	Dispenser cleaning **YES activated**

The ▲/▼ keys allow the modification of the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Program acceleration
Program acceleration can reduce the time of the programs accessing functions or subsequent phases, or reducing the times of rotation and spinning. There is also the possibility of increasing the rotation times.
The **AC** option enables or disables the use of the ⏩ (acceleration) key.

OPTIONS	MEANING
AC-0	Acceleration option disabled
AC-1	Acceleration option enabled

The ▲ key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Proportional water level
This modifies the values of the bath levels in proportion to the predetermined load.

OPTIONS	MEANING
JL-0	Proportional modification of the bath time deactivated
JL-1	Proportional modification of the bath time activated

The ▲ key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Proportional dosing time
This option only appears if ***JL-1*** has been programmed in the previous stage.
It modifies the dosing time in proportion to the bath level calculated according to the predetermined load.

OPTIONS	MEANING
dL-0	Proportional modification of the dosing time deactivated
dL-1	Proportional modification of the dosing time activated

The ▲ key allows the user to modify the option displayed.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Hot water purge
The purge is an option that keeps the water inlet valve and the drain valve simultaneously open during the programmed time, with the aim of purging the hot water pipe.
The purge function is only executed during the first phase of the program with water filling if the programmed temperature is equal or higher than 86 ºF (30 ºC).
Purge time: programmable in 5 second steps.

OPTIONS	MEANING
Pg-0	Purge disabled
Pg**	Programmed purge time. Maximum time: 250 sec.

The ▲/▼ keys allows to activate and modify the purge time.
The ⚙ key validates the selection on the display and allows the user to access the following programmable function.

Network identifier
This parameter assigns a network identifier to the washer. This identifier enables the communication of the washer with the environment through a protocol based on RS-485.
Selected option by default: **Id-0.**

OPTIONS	MEANING
Id-0	Disabled communication
Id-1..99	Enabled communication

For further information, see the Communication Protocol Instruction Manual.

The ▲/▼ keys allows to activate and modify the Network identifier.
Press the ⚙ key. The display shows **Mod**.
The ▲/▼ keys allow the user to access to other menus.
To exit the ADVANCED USE MODE press the **START/STOP** key.

8.8. Code for accessing the ADVANCED MODE. Ncod menu

As described in Section 8.2 the access to ADVANCED MODE is restricted by an access code.
This code can be modified by the user if so desired.
The code must always contain a combination of EIGHT numbers.

8.8.1. Modifying of the access code

Access to ADVANCED MODE. Section 8.2. The display shows ***Pro.***
Press ▲ key three times. The display shows ***INFO, Mod, NCod successively.***
Press the ⚙ key to set a new code. All the information on the display will disappear.
Enter a combination of eight keys using the four central keys in the control panel.
The pressed key is shown on the display as follows:

KEY	CORRESPONDENCE
⚙	1
+	2
⏩	3
–	4

At the end of the sequence the ***SURE*** report will be shown.
Confirm the new code with the key ⏩.
If you do not wish want to validate the new code, press the **START/STOP** key.
In both cases, the display will show ***Ncod***.
The ▲/▼ keys allow the user to access to other menus.
To exit the ADVANCED USE MODE press the **START/STOP** key.

NOTE.
If you forget the modified code, call the Service Department to restore the original code.

8.9. System clock. Hour Menu

Access to this menu is only possible if the clock option is available.
This menu allows the user to check and / or modify the time in the system.
The clock must be set at the real time for the proper operation of the starting time.

8.9.1. Setting the clock

Access to ADVANCED MODE. Section 8.2. The display shows ***Pro.***
Press the ▲ key four times. The display shows ***INFO, Mod, NCod, Hour*** successively.
When displaying ***Hour*** press the ⚙ key. The ***SURE*** report will be displayed.
The washing machine control requests confirmation of the access command for the time modification.
To exit the ***Hour*** menu, press **START/STOP**.
Press ⏩ key to access and modify the clock time.
The system time is shown on the display in the format: hh.mm (24 hour time format).
The changeable parameters are shown flashing.
Press ⏩ key to pass from the minute modification to the hour modification.
Change the selected value with the ▲/▼ keys.
Press the ⚙ key to validate the selection.
The **START/STOP** key allows the user to exit the menu without validating the modification.
After validating the time selection, ***Hour*** is shown on the display.
The ▲/▼ keys allow the user to access to other menus.
To exit the ADVANCED MODE press the **START/STOP** key. The washing machine can execute the programs.

INFORMATION COMMON TO BOTH LOGI CONTROL AND LOGI PRO CONTROL

9. TROUBLESHOOTING

9.1. Freeing a trapped person

PROCEDURE IN THE EVENT OF ENTRAPMENT OF A PERSON OR AN ANIMAL INSIDE THE WASHER

1. **Press the START/STOP key**. This action interrupts the wash cycle in operation and opens the washing machine drain. The washing machine control circuit remains in operation.
2. **Open the door**. After the bath has been drained and the drum rotation has ended, the door lock is unblocked allowing the door to be opened.
3. **If the door fails to release:** Consult the following sections: **Dismantling the door of the washing machine,** or **Manual realising of the safety lock** (sections 9.2 and 9.3)

CAUTION! If instead of pressing the START/STOP key you perform one of the following actions THE DOOR LOCK WILL NOT BE RELEASED immediately:

- Pressing the EMERGENCY STOP
- Disconnecting the ON/OFF switch
- Disconnecting the SWITCH DISCONNECTOR

9.2. Manual releasing the safety lock

WARNING:
This procedure is recommended in problems caused by a failure to realise the door of the machine. It should only be carried out by the Authorised Technical Service except in emergency situations.

Specific information for HS-6023, HS-6024, EH055, EH060, RMS/RMG628, REM/RMG070 models.

Before disassembling the door of the washing machine:

- Check that the bath level does not exceed the door opening level.
- Close and mechanically interlock the manual water supply valves.
- Close and mechanically lock the manual steam inlet valve (steam heated washing machines)
- Disconnect and mechanically lock the External Automatic Switch or the of the washing machine disconnector switch.

In order to release the safety lock manually, completely insert a rod with a diameter of 0.2 inches (3 mm) and an approximate length of 4 inches (100 mm)into the bottom side of the safety lock cover, and at the same time turn the knob downwards (Fig. 9.3).

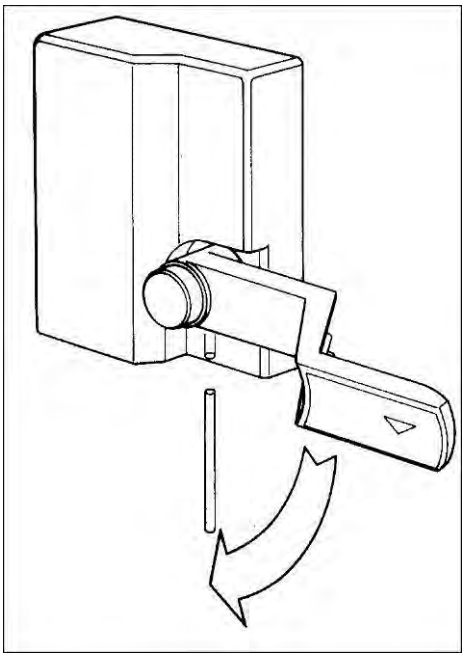

Fig. 9.3

9.3. Disassembling the door of the washing machine

WARNING:
It should only be carried out by the Authorised Technical Service except in emergency situations. This procedure is recommended in problems caused by a failure to realise the door of the machine.

Specific information for RMS610, RMS/RMG613, RMS/ /RMG617, RMS/RMG623, RMS/RMG628, HS-6008, HS-6013, HS-6017, HS-6024, REM025, REM/RMG033, REM/RMG040, REM/RMG055, REM/RMG070, EH020, EH030, EH040, EH060.

Before disassembling the door of the washing machine:

- Check that the bath level does not exceed the door opening level.
- Close and mechanically interlock the manual water supply valves.
- Close and mechanically lock the manual steam inlet valve (steam heated washing machines)
- Disconnect and mechanically lock the External Automatic Switch or the of the washing machine disconnector switch.

Door disassembly.

- Remove the protective caps from the hinge securing screws. (Fig. 9.1). On RMS/RMG628, REM/RMG070, HS-6024 and EH040 models, the plastic protector has to be removed first (Fig.9.2/A).
- Remove the hinge securing screws (Fig. 9.3).

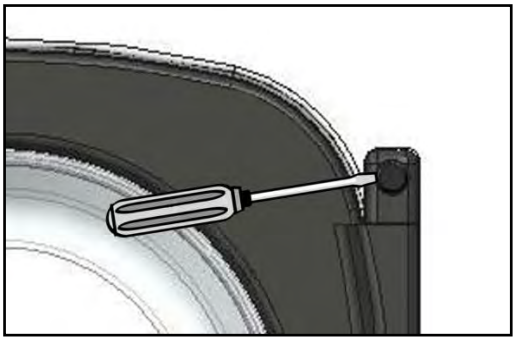

Fig. 9.1

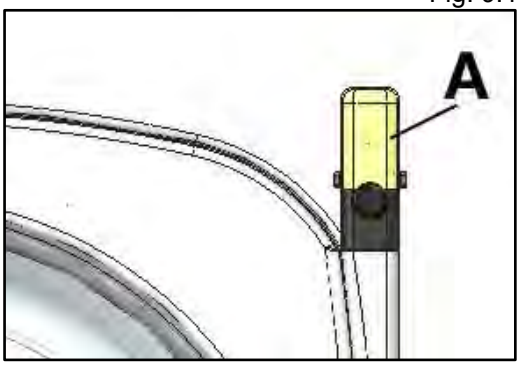

Fig. 9.2

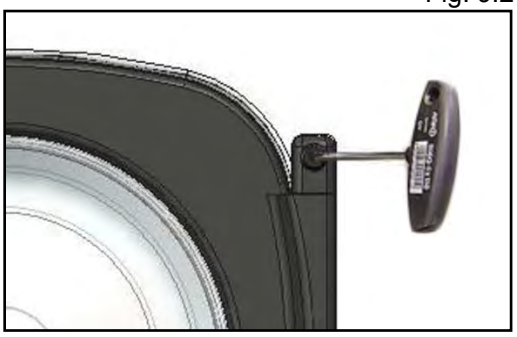

Fig. 9.3

9.4. What to do when …

Some of the washing machine's operating problems can be solved by the user intervention. These problems are detailed below.
Should you have any questions, remember to consult the Authorised Technical Service.

.....**the wash cycle ends with the report: END/BAL**

This report indicates that the final spin cycle is not possible because the load is unbalanced.

- Unload the machine and reload it.
- Begin the wash cycle and accelerate the program to the last phase.
- The washing machine will repeat the last spin cycle without refilling with water.
- If the problem persists, or occurs often, contact the Authorised Technical Service.

.....**the machine makes a strange noise during the spin cycle**

- Check the levelling of the machine. See Instruction Manual for Installation.
- Tighten the locking screws on the outside panels.
- If fault persists, contact the Authorised Technical Service.

.....**the door is leaking**

- Clean the door seal of any possible deposits or remains of linen.

.....**there is water leaking inside the washer cabinet**

- Check the outlet draining pipe.
- Check the seals on the water inlet hoses; tighten the connection couplings.
- Check the condition of the door seal and check whether there are any ruptures.
- If the problem persists, seal all of the water inlets and contact the Authorised Technical Service.

.....**you have forgotten the access code for the advanced mode**

- Contact the Authorised Technical Services.

.....**the clock (option) stops working correctly.** Possible battery failure. Contact the Authorised Technical Services.

9.5. System alarms

The safety of the washing machine in use requires the machine to monitor itself closely for any possible anomalies. These anomalies are reported in the form of alarms.
The ***ALM*** message will appear on the washing machine's display alternating with the specific alarm report.

DISPLAY REPORT	LIKELY CAUSE	PROCEDURE
ALM/A-*	Faulty water inlet	Check water entry pressure. Check the manual water inlet valves. Check the status of the filters in the solenoid valves. (Refer to section 10: Maintenance)
	Defect in the solenoid valves Defect in the level control system	Contact Authorised Technical Services.
ALM/E	Machines with pump drain: obstruction of the draining pump	Contact Authorised Technical Services.
	Anomaly in the drain system Error in drain configuration	Check the status of the washing bath's output hoses. Contact Authorised Technical Services.
ALM/HOT	Inadequate stop of the washing machine with bath at high temperature Excessive temperature when machine is stopped Anomaly in the heating system	Close the door of the washing machine to allow opening of cold water valve. Press START/STOP key to drain the bath and access the door opening. Repeat this operation until the alarm report disappears. If the alarm report does not disappear after five attempts, disconnect the general power supply and close the water inlet manual valves. Contact AUTHORISED TECHNICAL SERVICES.
ALM/L	Leakage in the solenoid valve Bath level with machine idle	Close manual water inlet valves. Contact AUTHORISED TECHNICAL SERVICES.
ALM/SL	Bath level exceeded	Close manual water inlet valves. Contact AUTHORISED TECHNICAL SERVICES.
ALM/C	Defect in the temperature probe Error in the heating configuration Defect in the heating circuit	Contact AUTHORISED TECHNICAL SERVICES.
ALM/Prob	Defect in the temperature probe	Contact AUTHORISED TECHNICAL SERVICES.
ALM/BAL	Defect in the unbalance control switch	Contact AUTHORISED TECHNICAL SERVICES.
ALM/VAR*	Disconnection of the motor's thermal protection Alarm set off by the inverter	Contact AUTHORISED TECHNICAL SERVICES.
ALM door	Faulty door lock	Contact AUTHORISED TECHNICAL SERVICES.
Hot	Interruption of the program using the START/STOP key with the bath at high temperature	The washing machine will automatically accept cold water and will not allow the door unlock. When the bath temperature is below 45 ºC (133 ºF) the bath will drain and the safety door lock will be released.
door	Door badly closed	Open and close the door.

10. MAINTENANCE

Caution

- **The users must refrain from carrying out actions reserved for the Authorised Technical Services.**
- **Before performing any work on the washing machine, disconnect and mechanically lock the external switch, and close and mechanically lock the manual water inlet valves.**
- **Check that the temperature of the parts to be handled represents no risk of burns.**
- **The dispenser may contain residues of chemical products. In cleaning operations, avoid direct contact with the skin and protect the eyes.**
- **The draining pump and valve may contain residual water. When handling these components, avoid direct contact with the skin and use eye protection.**
- **Remember to reassemble ALL of the panels and replace them correctly after any maintenance work.**
- **It is highly recommended to ask the Authorised Technical Service for a register or report of all the maintenance and service work done on your washer.**

Operations described

USER-MAINTENANCE INSTRUCTIONS

- Cleaning the washer (Section 10.1)
- Cleaning the door seal (Section 10.2)
- Cleaning the solenoid valve filters (Section 10.3)
- Checking safety devices (Section 10.4)

ONLY TO BE PERFORMED BY THE AUTHORISED TECHNICAL SERVICE

- Cleaning the dispenser (Section 10.5)
- Cleaning the drain pump (Section 10.6)
- Checking the condition of the bearing housing seals (Section 10.7)
- General overhaul (Section 10.8)

10.1. Cleaning the washer

- We recommend cleaning the outside of the washing machine periodically. Use a damp cloth or sponge.
- To remove grease marks use a neutral soap and rinse well.
- Never use aggressive products, solvents, abrasive scourers or tools that may scratch or deteriorate the external surface of the washing machine.

10.2. Cleaning the door seal

- Use a cloth or sponge moistened in water.
- Be especially careful to remove traces of laundry products or pieces of fabric that could be caught between the folds of the seal.
- Never use abrasive products or tools that could cut or damage the seal.

10.3. Cleaning the solenoid valve filters

Only by qualified personnel

Required tools:
- Disassembly of the fittings: Slip-joint pliers or pipe spanner diam. 1-½ in. (35 mm)
- Disassembly of the filter supports: spanner 1-3/8 in (34 mm)
- Disassembly of the filters: pliers

Steps to follow
- Disconnect and mechanically lock the external switch. Close and mechanically interlock the manual water supply valves.
- To avoid the risk of burns, check the temperature of the hot water inlet hose.
- Disassemble the fittings that connect the hoses to the washing machine.
- Disassemble the filter supports (according to model).
- Remove the filters from their housings and clean the filters with pressurised water. Refit them in their housings.

- Assemble the solenoid valve supports (according to model).
- Assemble the hoses in their corresponding inputs. Tighten the fittings.
- Connect the external switch, open the manual water input valves and check the water-tightness of the coupling.

10.4. Checking safety mechanisms

10.4.1. Checking the door lock

Check the door safety lock device on a **DAILY** basis.

CAUTION. Only by qualified personnel
Take great care in checking the safety mechanisms.
Carry out the check described below while the drum is turning at washing speed and never at a higher speed.
If there is a failure in the door lock, never place one's hand in the loading area of the washer.

Checking procedure:
Disconnect the **ON** switch. The display is off.
Close and mechanically interlock the manual water supply valves (and steam inlet valve in washers with this option included).
Open the washing machine door.
Connect the **ON/OFF** switch. The display will read **door**.
Close the door.
Select and start a wash cycle.
About a minute after starting the cycle, check that the door is locked.
Press the **START/STOP** key to finish the check.
After a safety period of no longer than 30 seconds has passed, the door lock will be released.
The check is completed.
If no anomaly has been detected, open the fluid inlet valves.

CAUTION
If anything other than that was described is detected during the operation, disconnect the washer, do not use it, and contact the Authorised Technical Service **URGENTLY**.

10.4.2. Checking the emergency stop

(Only models with Emergency Stop Button)

Check the Emergency Stop on a **WEEKLY** basis.

Checking procedure:
Connect the **ON/OFF** switch. The display will read **door**.
Close the door. Select and start a wash cycle.
About a minute after starting the cycle, activate the **EMERGENCY** button. The buzzer will sound and the drum will stop rotating. The display will read **ALM EMER**.
Unlock the Emergency Stop button by turning the activation in the direction of the arrows, and press the **START** key to resume the operation of the washing machine.
After a safety period of no longer than 3 minutes has passed, the washing machine will resume operation.
Press the **START/STOP** key to end the washing cycle. The check is completed.

CAUTION
If anything other than that was described is detected during the operation, disconnect the washer, do not use it, and contact the Authorised Technical Service **URGENTLY**.

10.5. Cleaning the dispenser

Only to be performed by the Authorised Technical Service

- Disconnect and mechanically lock the external switch. Close and mechanically interlock the manual water supply valves.
- Clean the dispenser by using a cloth or sponge dampened with water. Warm water makes cleaning easier. Never use abrasive products, solvents or tools that could scratch or damage the dispenser.

Once the dispenser cleaning and assembly operations are finished:
- Connect the external switch and open the manual water inlet valves.
- Start a washing program that uses a bleaching agent and softener and check that both compartments drain properly.

10.5.1. Washers with front dispenser

Required tools:
Unscrewing the fastening tabs: Torx T20 screwdriver

Disassembly and assembly:
- Open the dispenser drawer and loosen the screws on the retaining tabs visible along the bottom (Fig. 10.1).
- Completely remove the drawer and dismount the siphon tubes from the liquid compartment by pulling them upwards.

Once the cleaning operations are over:
- Replace the siphon tubes and replace the drawer in its housing.
- Refit the fastening tabs and check that the drawer cannot be completely removed.

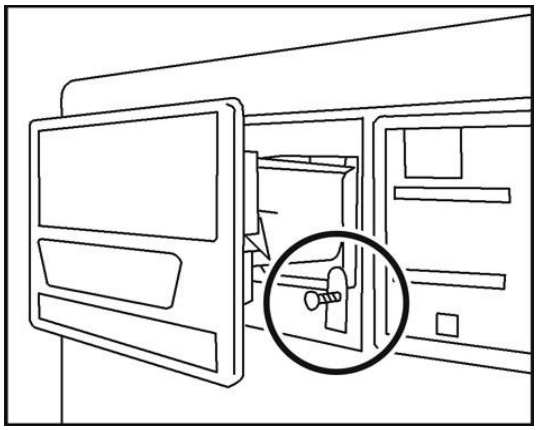

Fig. 10.1

10.5.2. Washers with top dispenser

Disassembly and assembly
- Open the fastening clasps on the top cover. The dispenser is now accessible.
- Detach the siphon tubes from the liquid compartment by pulling them upwards.
- To clean the lower basin, remove the leak seal and separate the two dispenser bodies by separating the side lips (Fig. 10.2).

Once the cleaning operations are over:
- Refit the two dispenser bodies and check that the side lips fasten both pieces.
- Replace the siphon tubes.
- Check that the dispenser is set well in its bracket.
- Check the condition of the top cover seal. If seal is damaged, deformed or has lost elasticity, call the AUTHORISED TECHNICAL SERVICE for replacement.
- Replace the seal. Fit the top cover. Close the clasps.

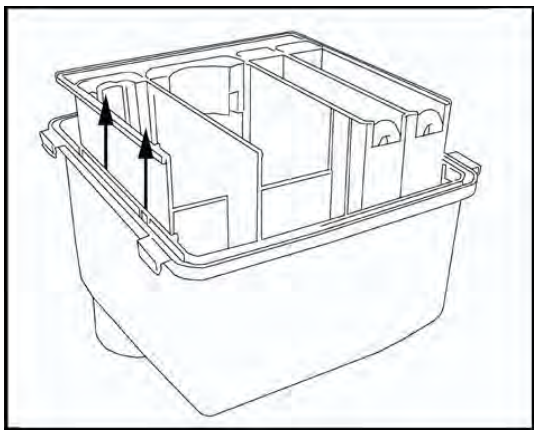

Fig. 10.2

VERY IMPORTANT
The dispenser protection seal is necessary to prevent humidity and corrosion inside the machine and the premature damage of the electrical and electronic circuits of machine control.

10.6. Cleaning the drain pump

(Drain pump washers. Fig. 10.3)

Only to be performed by the Authorised Technical Service

Required tools. Disassembly of the lower front panel: Torx. T25 screwdriver

- Before disassembling the lower front panel of the washing machine, disconnect and mechanically lock the external switch, and close and mechanically lock the manual water inlet valves.
- Empty any residual water contained in the drain ducts, placing the corrugated rear tube horizontally on the floor. The water will come out of the end.
- Disassemble the lower front panel. The draining pump is accessible.
- Turn the filter counter-clockwise and separate it from the pump body.
- Clean the filter and any possible deposits from the inside of the pump body.
- Assemble the filter and the draining pump.
- Replace the bottom panel.
- Connect the external switch and open the manual water inlet valves.
- Begin a washing program and check that there are no water leaks.

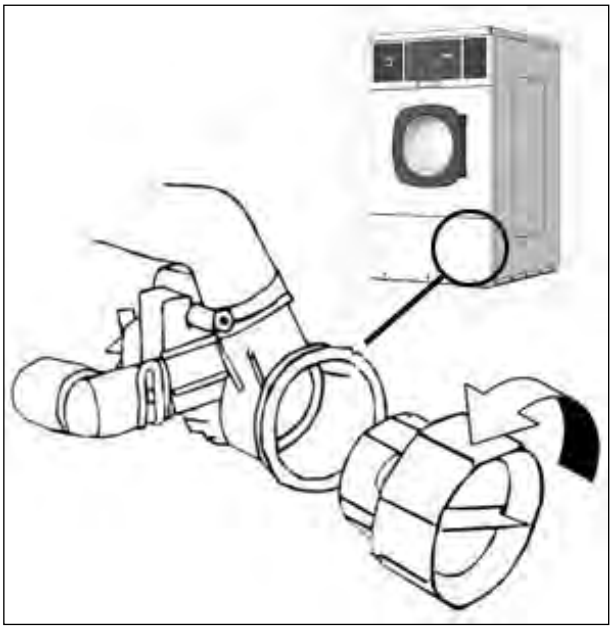

Fig. 10.3

The bottom front cover is a stabilising element of the washer cabinet. Make sure that it is properly fitted and fastened.

10.7. Checking the condition of the bearing housing seals

Only to be performed by the Authorised Technical Service

At regular intervals check that no water is leaking out of the bearing drain pipe located at the back of the washer at the bottom. Water loss indicates that the seals are in poor condition and need to be replaced.

10.8. General Overhaul

Only to be performed by the Authorised Technical Service

- As preventive maintenance action, it is very important to request the Authorised Technical Service for a periodic overhaul of the washing machine.
- Recommended periodicity: once a year or every **3000** washing cycles.
- When performing this overhaul on **HS-6008 / EH020** models, due to the wear and tear it is subject to, we recommend carefully checking the door seal and replacing it if wear is noticed.

11. WITHDRAWING FROM SERVICE

- **Removing the washer from service requires a specialised company.**
- **Never release the washer unsecured.**
- **To release the washer and carry out subsequent transportation, refer to the same specifications and cautions indicated for Installation.**

When removing the machine from service:

- Disconnect and mechanically lock the external switch. Remove the supply cables.
- Close and mechanically interlock the manual water supply valves. Remove the water supply hoses.
- Disassemble the drain outlet pipe and empty any residual water left in the washing machine.
- Assemble the shipping restraints.
- Dismantle the door of the washing machine (consult the Authorised Technical Service).

Dismantling

Most of the machine's components are made of recyclable or recoverable materials.
The injected pieces bear information on the materials that were used to make them.
The main materials are:

- Steel plates
- Stainless steel plate
- Grey cast iron
- Aluminium
- Glass
- Polypropylene (PP)
- Ethylene Propylene (EPDM)
- ABS
- Copper
- Electronic components

Management of waste from electronic devices

In compliance with Directive 2002/96/EC on the management of waste from electronic devices, it is the obligation of the manufacturer to warn that:
The electronic components installed in the washing machine, must be dismantled and delivered to treatment facilities authorised for this purpose.