



Evolution 2060

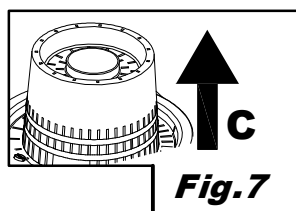
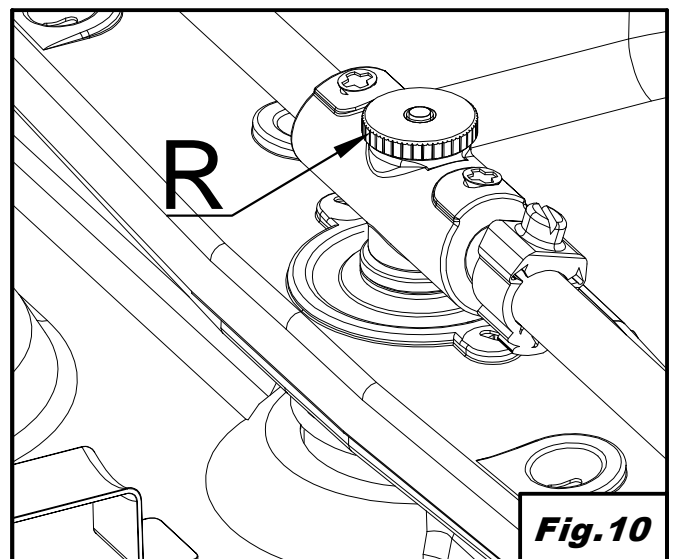
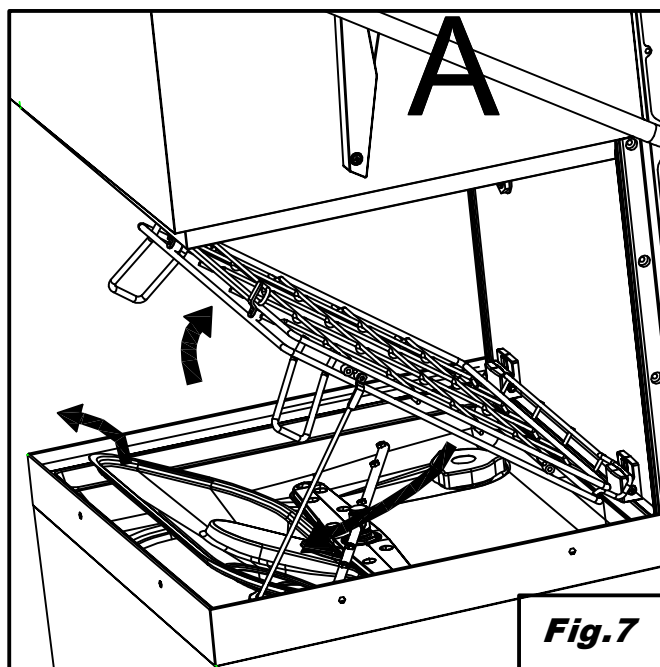
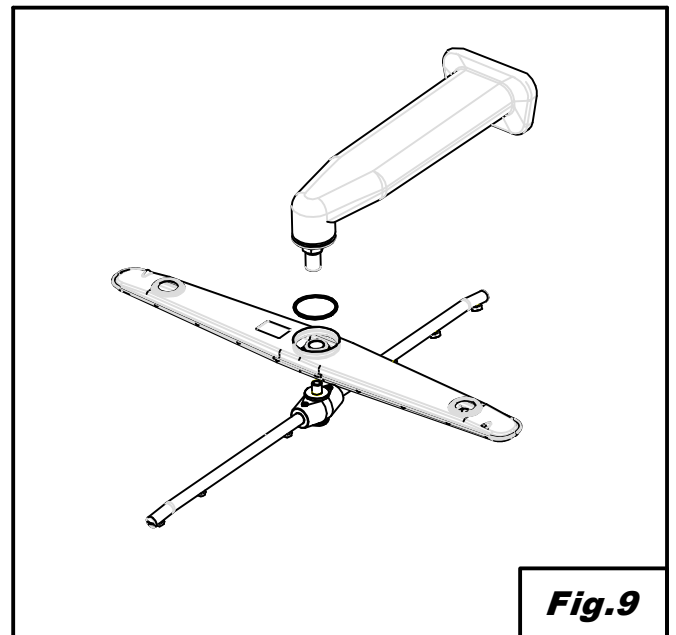
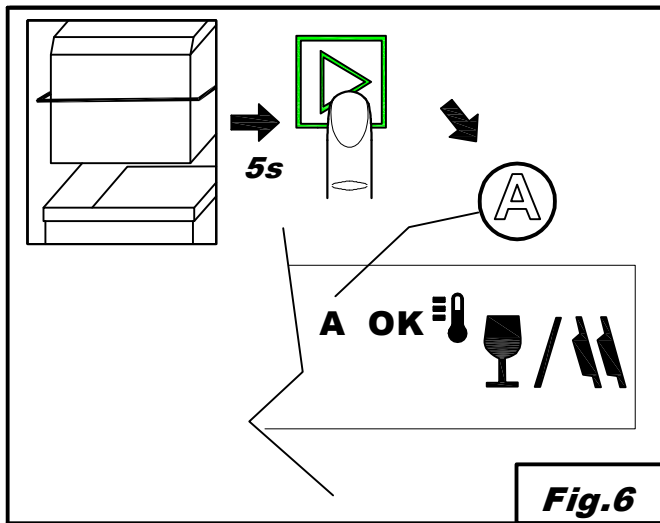
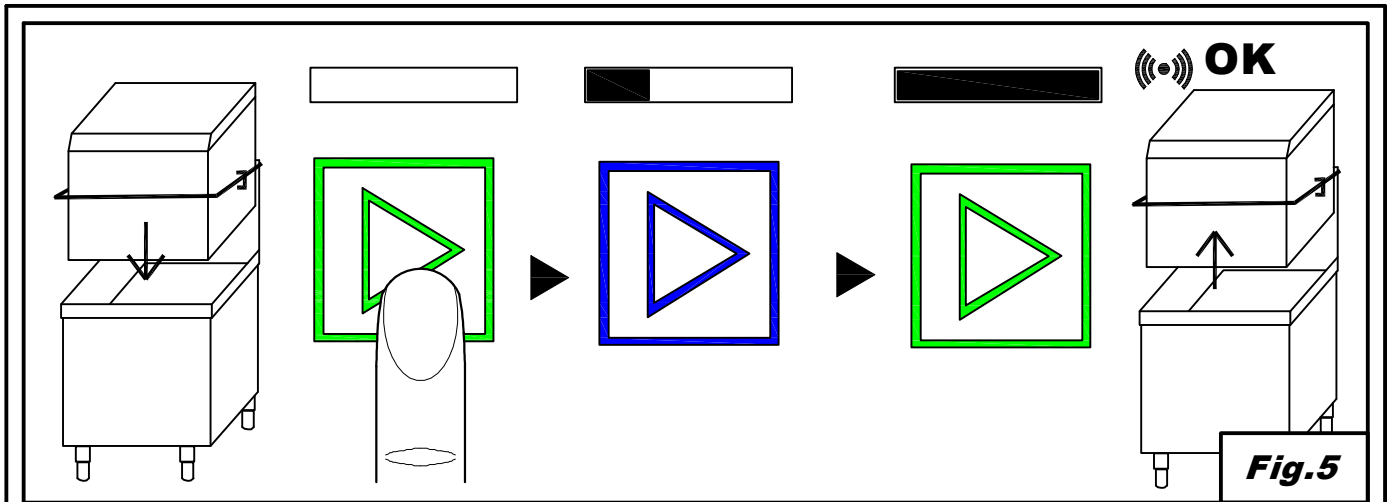
Installation & User Guide

All spares available from



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Fax: 01280 845345
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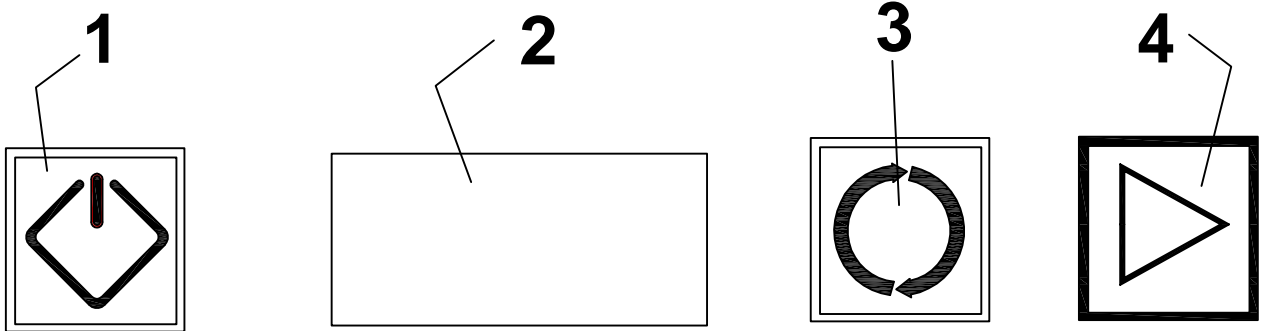


Fig.1

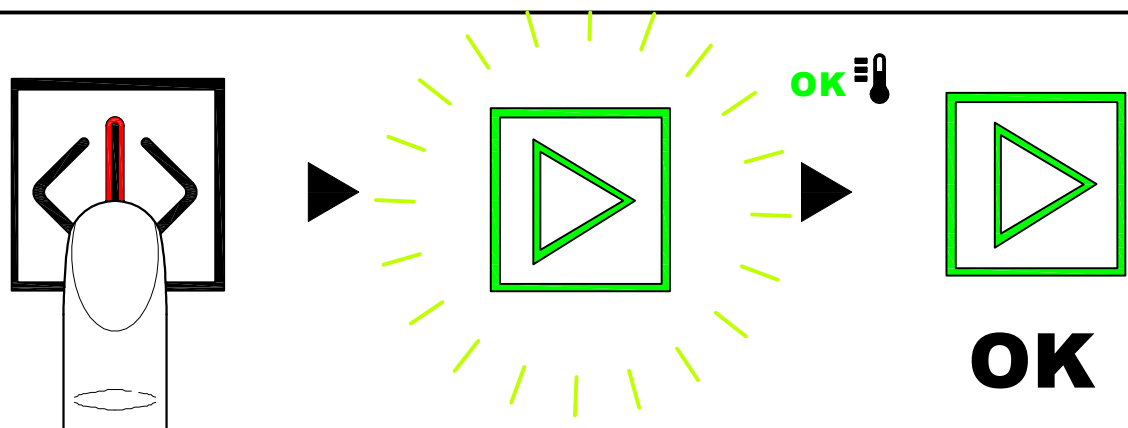


Fig.2

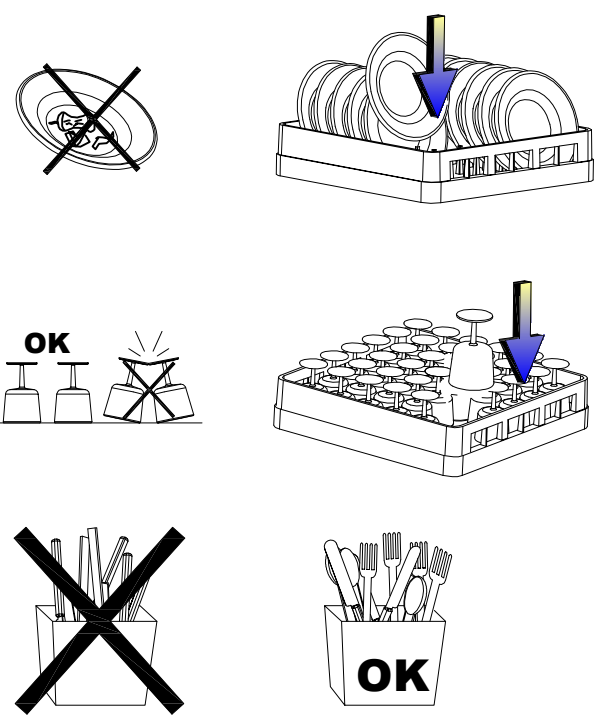


Fig.3

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INSTRUCTION MANUAL FOR DISHWASHERS

PREFACE

Failure to follow the instructions provided in the attached documentation may jeopardize safety of the appliance and immediately cancel the warranty.



The warnings contained in this manual provide important information regarding safety during the various installation, operation and maintenance stages.

- Carefully store all documentation near the appliance; give it to the technicians and operators who will be using it. **It is the operator's duty to read, understand and learn this manual before starting any operation on the machine.** The appliance is intended for the professional washing of dishes for dining facilities. Therefore, installation, use and maintenance must always be performed by trained personnel who follow the manufacturer's instructions. Do not leave within the reach of children. The choice of materials, construction in conformity with EC safety directives and complete testing ensure the quality of this machine.

The manufacturer declines all responsibility for damage to property or injuries to persons deriving from failure to comply with the instructions given or from improper use of the machine.

Chap 1 INSTALLATION

Proper installation is essential in order for the machine to operate properly. Some of the data needed for machine installation can be found on the data plate placed on the right side of the machine and in duplicate on the cover of this manual.



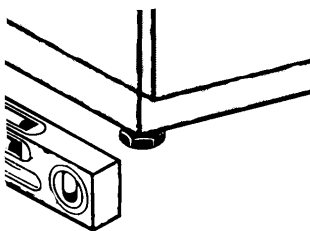
Only qualified, authorised technicians must install the machine.

1.1 UNPACKING

Check that the packing is in perfect condition and write down any damage found on the delivery note. After you have removed the packing, **make sure the appliance is intact.** If the machine is damaged, immediately notify the dealer by fax or by registered letter with advice of receipt and the haulage contractor that transported it. If the damage is such as to jeopardize machine safety, do not install and/or use it until a qualified technician services it.



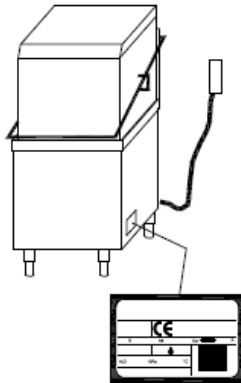
The packing components (plastic bags, foam polystyrene, nails, etc. ...) must not be left within the reach of children and pets as they may be dangerous.



1.2 POSITIONING

- Check that there are no objects and materials in the installation area that can be damaged by steam that may exit the machine during operation, or at least that they are sufficiently protected.
- In order to ensure stability, install and balance the machine on its four feet.
- Different installation solutions must be agreed upon and approved by the manufacturer.

1.3 ELECTRICAL CONNECTION

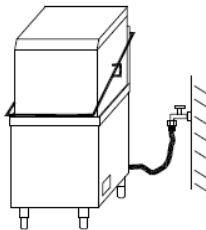


- There must be an omnipolar type of main switch that disconnects all contacts, including the neutral, with a distance of at least 3 mm between the open contacts and with safety circuit breaker tripping or connected with fuses, to be sized or calibrated in conformity with the power indicated on the machine's data plate.
- The main switch must be located on the electric line close to the place of installation, and it must serve only one appliance at a time.
- Electric network voltage and frequency must coincide with those given on the data plate.
- There must be an effective earthing system in conformity with the prevention standards in force for operator and equipment safety.
- The power supply cable (type H07RN-F only) must not be pulled or crushed during normal operation or routine maintenance.
- The unipotential terminal fastened to the body must be connected to a unipotential cable having a section suited to the application.
- **Respect the polarities indicated in the wiring diagram.**
- Consult the enclosed wiring diagram for additional information.



Do not use adaptors, multiple socket outlets or cables of inadequate type and section or with extension connections not compliant with plant engineering standards in force.

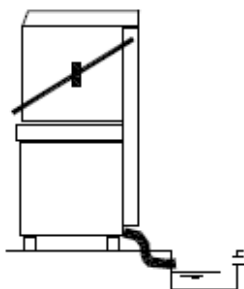
1.4 PLUMBING CONNECTION



The appliance is to be connected to the water network with a hose. There must be a slide on-off, ball or gate valve **able to quickly and completely turn off the water if necessary** between the water network and the appliance's solenoid valve. The on-off valve must be on the line near and just before the appliance.

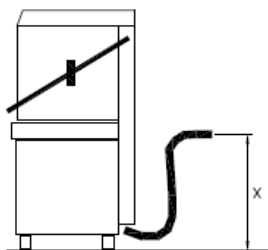
- If the system is new or nearly so, let the water run a long time before making the connection.
- The water supply, temperature and pressure **must be compatible** with what is indicated on the machine's technical data plate.
- If the water's hardness is greater than 14°F (8 dH), we recommend you install an external water softener upline of the solenoid valve.

1.5 CONNECTION TO THE DRAIN LINE



Free drain

- **The drain line must be made up of a free water trap** of a size proportionate to the delivery of the drain pipe supplied with the machine. The pipe must be able to reach the water trap **without being pulled, squeezed, bent, crushed, pressed or forced in any way.**
- The tank empties by gravity, so the drain must be at a **lower level than the base of the machine.**



- If the drain is not at a lower level than the base of the machine, you can use the version equipped with a discharge pump (available on request).
- In this case the maximum drain height is 1 m.
- Always check that the drain works properly and that it is not clogged.
- All other solutions must be previously agreed upon and approved by the manufacturer.

With discharge pump (available on request)

Chap 2 RISKS AND IMPORTANT WARNINGS

- This appliance is to be used only for the use for which it was expressly designed. All other uses are to be considered unfit and therefore dangerous.
- **The specialised personnel who will install the machine are obliged to appropriately instruct the user on the appliance's operation and any safety measures that are to be complied with, also by providing practical demonstrations.**
- Any type of service done on the machine, also in case of failure, must be performed only by the manufacturer or by an authorised service centre and by qualified personnel, **using only original spare parts.**
- Always disconnect or separate the machine from the electric and water networks before performing maintenance, repairs or cleaning.
- Untrained personnel must **NOT** use the machine.
- The machine must **NOT** remain powered on when it is not in use.
- **NEVER** open the machine door quickly if it has not finished the cycle.
- **NEVER** use the machine without the factory-installed safety attachments.
- **NEVER** use the machine for washing object of a type, shape, size or material not guaranteed for machine washing or not perfectly intact.
- **NEVER** use the appliance or its parts as a ladder or support for people, things or animals.
- **NEVER** overload the open door of front-loading machines, which are sized to support only the rack loaded with kitchenware.
- **NEVER** immerse bare hands in the washing solutions.
- **NEVER** turn the machine over after installation.
- If you notice a malfunction or leakage of liquids, immediately disconnect the electricity and shut off the water supply.

THE FOLLOWING IS ALSO IMPORTANT:

- Never start a wash programme without the overflow in the tub.
- Before you drain the tub, make sure you shut off the machine.
- Never place magnetic objects near the machine, it may start even when the door is open.
- Do not use the upper part of the machine as a support surface.
- The machine may not be used by persons who are unauthorized or who have not been properly trained.
- The installation technician is required to check for proper earthing.
- When testing is complete, the installation technician must issue a written statement concerning correct installation and testing in accordance with all standards and acceptable working practices.

2.1 NORMAL SERVICE CONDITIONS

Ambient Temperature : 40°Cmax /4°Cmin (average 30 °C)
 Altitude : until 2000 metrical
 Relative humidity : max 30% at 40°C / max 90% at 20°C
 Transport and Storage : between -10°C and 5 5°C with peack until 70°C (max 24 hrs)

CHAP 3 USE OF THE DISHWASHER

3.1 WASHING CYCLE

With reference to **Fig.3**, for correct operation of the machine, it is advisable to follow these rules:

- Use a suitable rack, filling it without overloading it and without placing the dishes one on top of the other. **Always clean off the dishes beforehand**, and do not load dishes with dry or solid residue on them.
- Place empty containers upside-down on the rack. Put the plates and similar kitchenware into the special inclined rack, with the internal surface facing upwards.



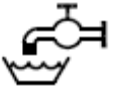







- Put mixed silverware into the special basket with the handles facing downwards.
- Wash the dishes immediately after use, in order to prevent any residuals from hardening and sticking on them.
- Load the rack into the machine and close the door.
- To avoid breakage, use only dishes that are intact and guaranteed for machine washing.
Do not place silver and stainless steel cutlery in the same basket, since this would cause the silver to tarnish and the steel to corrode.











3.2 LIST OF CONTROL PANEL BUTTONS



(fig 1)

- 1 On/off button
- 2 LCD
- 3 Program selection button
- 4 Start/stop wash light button
- 4 Light blue light: Washing program running
- 4 Green light: Dishwasher ready to run the washing program selected
- 3 Blinking green light: Water load active

3.3 LIST OF DISPLAY SYMBOLS

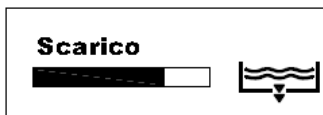
	Dishwasher in stand by		Detergent missing
	Dishwasher loading		Dishwasher rinse aid missing
	Short duration washing program		Salt missing
	Medium duration washing program		Active regeneration system
	Long duration washing program		Self-cleaning and unloading program

	Glasses washing program		Self-diagnosis warning active
	Intensive washing program		Rinse boiler temperature
	Cutlery washing program		Washing tank temperature
	Eco washing program		Safety system activated
	Sanitizer washing program		Refresh washing program active

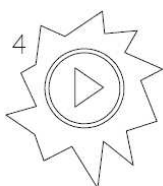
	<p>Fast washing program</p>		<p>Correct washing temperature</p>
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3.4 TURNING THE MACHINE ON AND STARTING A WASHING PROGRAM

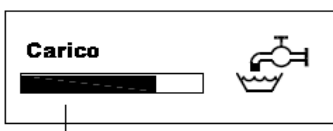
Turn the machine on through on/off button 1



The machine runs a drain cycle even if the tank is empty.



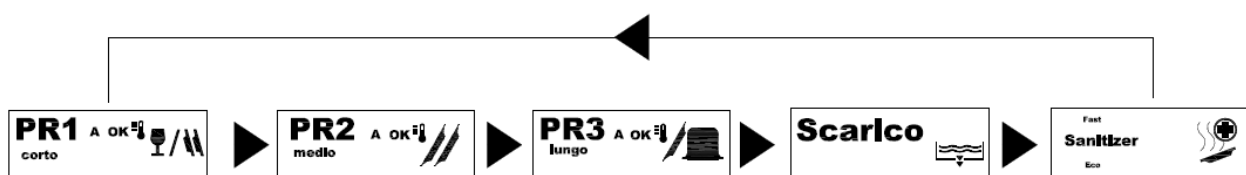
Button 4 blinks with a green light (fig. 2).



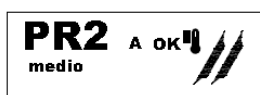
Subsequently, the machine starts filling up water and the time bar indicates the remaining time

When the machine is ready for use, button 4 lights up with a green steady light and the display shows the selected program. "OK" indicates that washing temperature is correct (fig. 2).

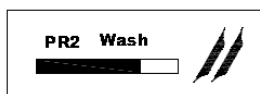
Use button 3 to choose the most suitable program (fig. 1).



Press button 4 to start washing.



During the current program, it is possible to see the remaining time using the time bar.



When the program ends, the display will show "FINE" (END) and the buzzer will beep twice (fig. 5).



"A" on the display indicates that automatic start is activated, to start the next washing just lower the top.

3.5 SELECTING A SPECIAL WASHING PROGRAM

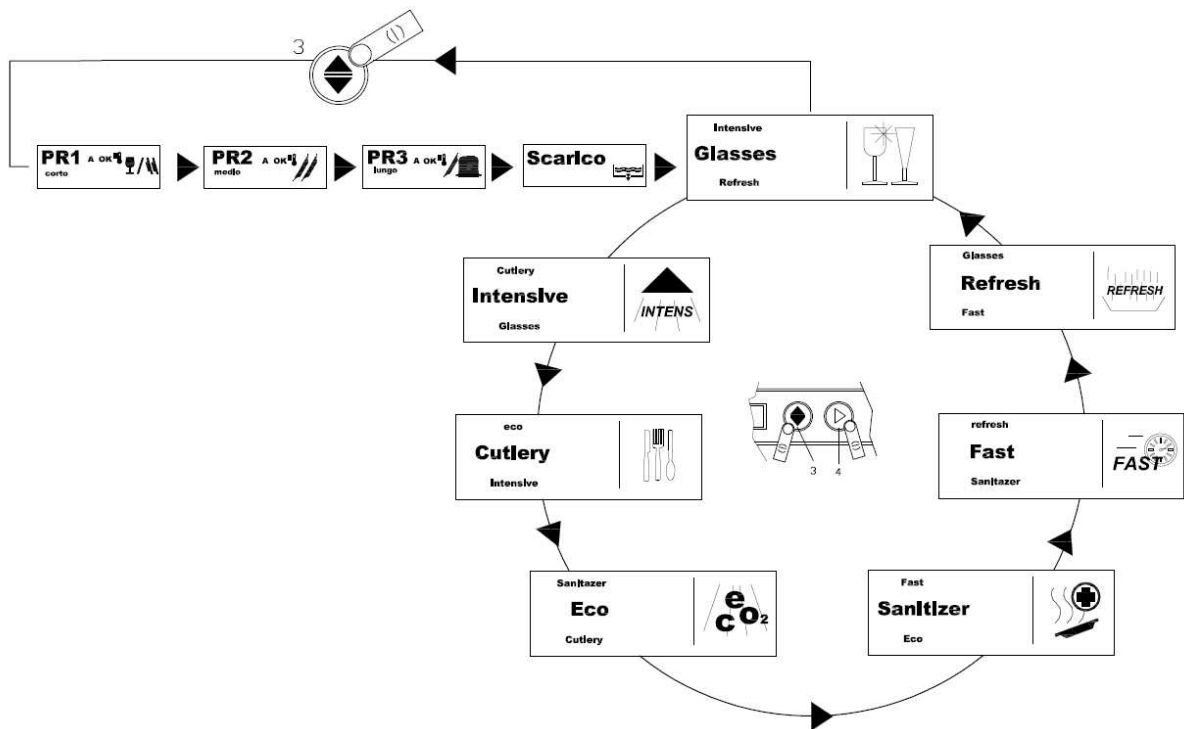
This dishwasher is equipped with special washing programs. It is possible to choose the most appropriate one and keep it memorised for future use (see next chapter **Special programs description**).

Use the select button to go to the special program window choice:



Then change the program by pressing button 3 and acting repeatedly on button 4 (fig. 1).

The following program sequence will display:



The special program will remain memorised and can be chosen with P3.

3.6 SPECIAL PROGRAMS DESCRIPTION



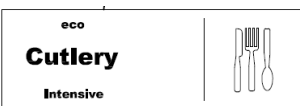
GLASSES washing program

Glasses program is used to wash glasses of every shape and kind. This program washes with reduced rinse temperatures and requires a long drying time.



INTENSIVE washing program

Intensive program is designed to wash dishes with plenty of residual dirt, even if these have been dirty for a long time. The program performs effectively two washes and two rinses.



CUTLERY washing program

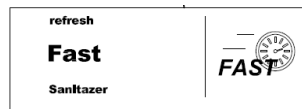
The program is suitable for washing forks, spoons, knives and all kinds of cutlery. This washing program has a longer duration compared to the other

ones.



ECO washing program

ECO washing program reduces energy consumption by diminishing washing temperatures and water consumption compared to the normal washing program, good washing results are achieved by using a prolonged mechanical washing action.



FAST washing program

Fast washing program is recommended when you want to get a good result in a short time. The program uses high temperatures and good mechanical washing action.



REFRESH washing program

Refresh washing program is recommended when you need to completely replace the water in the washing tank, hence to consecutively wash dishes with excess fats or oils.

Complete replacement of water in the tank requires a longer cycle.



SANITIZER washing program

Sanitizer program is recommended when you need to ensure sanitation of the dishes.

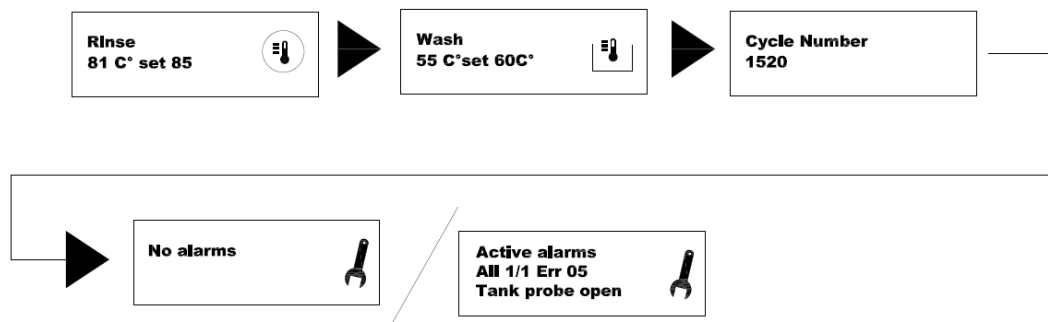
This program controls washing temperature and time by calculating the constant A0. The program ends when the value of A0 is 30.

Therefore, duration is variable, on average it takes about 20 minutes and the washing temperature reaches about 72 °C.

In the event that you need an A0 value different from 30, contact an authorized technician, who will make a change on the machine software.

3.7 VIEWING TEMPERATURES AND NUMBER OF RUN PROGRAMS

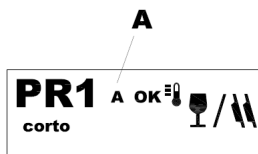
It is possible to view the operating temperature by pressing button 3 for a few seconds, the information will appear as follows:



The first screen displays rinse instantaneous temperature showing the correct set of achievement; through P3 it is possible to display the following screen which shows washing instantaneous temperature, then the number of machine life cycles, and finally any alarms in progress.

3.8 ENABLING AND DISABLING AUTOMATIC START

Automatic start is self-enabled every time a washing program starts:



Letter "A" in the display indicates that automatic start is enabled, the program selected will start automatically by lowering the top.

If you wish to disable the automatic start, hold P4 start button for a few seconds until letter "A" disappears (**fig. 6**).

3.9 END OF SERVICE

- At the end of the day, activate "Drain", the self-emptying and cleaning program (see Chapter 3 part 3).
- **Disconnect the power supply by means of the main switch and close the external water cock.**
- Perform routine main *tenance* and clean the machine as described in the "Maintenance" section.
- If possible, leave the door ajar to prevent the formation of unpleasant smells inside.

Chap 4 MAINTENANCE



Before performing any maintenance, drain all water, disconnect the electrical power supply, and close the external water cock.

4.1 CLEANING AND HYGIENE

To ensure machine hygiene, **periodically perform the maintenance tasks** listed below. Also carry out a periodical sanitising treatment with suitable non-corrosive products available on the market.

4.2 MAINTENANCE OF FILTERING GROUP

Carry out this procedure at the end of the day when you see residual dirt on the filters:

1. Remove and clean the baskets.
2. Empty the tank by activating drain self-emptying program.
3. Carefully clean the integral filter.
4. Thoroughly clean the tank and machine with non-abrasive disinfectant products.
5. Remove the standard filter by pulling it upwards as shown in **Fig. 7 C** and clean it carefully.
6. Do not use abrasive products or objects for cleaning the steel tank. Instead use a slightly soapy damp cloth.
7. Do not use pressurised jets of water because they could damage the electric system.
8. When finished with the described tasks, carefully reposition each part.

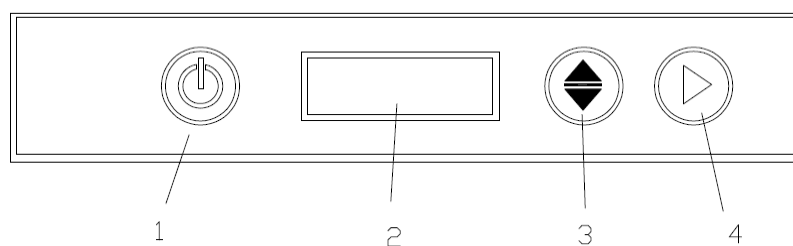
4.3 CLEANING OF WASH ARMS

The wash and rinse arms can easily be removed to allow periodic cleaning of the nozzles so as to prevent possible clogging and/or deposits.

Proceed as follows (**Fig.8**):

- Unscrew ring nut **R** and release the arms.
- Wash all parts with running water. Clean the nozzles carefully, using a toothpick or small tools if necessary.
- Clean the arm rotation pins in the machine and the washing and rinsing water outlet area.
- Put the arms back in place and check that they rotate freely.

4.4 ADJUSTMENTS AND SETTINGS



There is a main menu where it is possible to activate or adjust the parameters of the following table.





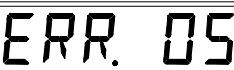




- Access mode:
Simultaneously hold down buttons 3 and 4 for a few seconds with the machine turned off. The following request will display:
"software key"
00
Enter "12" using buttons 3 and 4, confirm with button 1 and the first table entry will display.
Activate or adjust each parameter using buttons 3 or 4.
Press button 1 to go to the following entry.
Press button 1 for a few seconds to exit and memorise the new settings.

Language	Choose display messages language.
Termostop	Termostop function activation/deactivation.
Energy saving	Energy saving function activation/deactivation.
Pre-heating	Fast initial heating and filling up activation/deactivation.
Detergent pump	Detergent pump manual activation/deactivation.
Rinse aid pump	Rinse aid pump manual activation/deactivation.
Dosage Detergent g/l	Washing detergent concentration in grams/litre setting.
Dosage Rinse aid adjustment g/l	Rinse aid concentration in grams/litre setting.
Drain pump	Drain pump activation/deactivation (only for models with normal drain system).
Water hardness	Only for machines with automatic water-softener. Set hardness of water to treat (see number correspondence on "Water hardness" table).
Cycle for regeneration alarm with external softener	External water-softener cycle counter setting and activation.
Cycle counter	Display of machine life cycles.
Buzzer	Buzzer activation/deactivation.

Chap 5 SELF-DIAGNOSIS

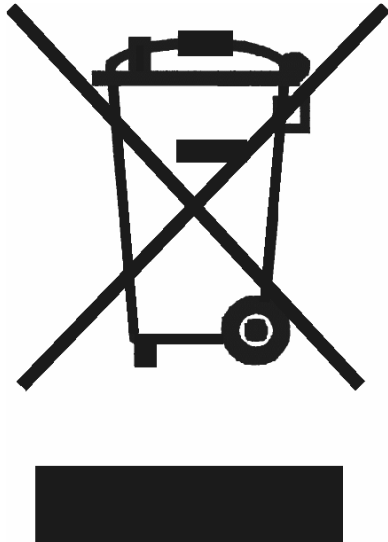
The machine is equipped with a self-diagnosis system that can detect and signal a series of malfunctions.

CAUTION! Turning the machine off and then back on resets the signal, which will appear subsequently only if the problem has not been resolved. If the signal persists, contact a qualified technician.

<i>Message displayed</i>	<i>Anomaly or alarm discovered</i>
	Rinse not performed (Only versions CRP-SP). This signal appears at the end of the cycle if the working level in the tub is not correctly restored. Check whether the plumbing connections are correct, and that the water supply cock is open. If the problem persists, contact technical service.
	Water drainage anomaly. Water does not drain or drains abnormally. Check to see if the overflow has been removed. Check the drain tube is not bent or crushed, and that none of the filters are clogged. Run another drain cycle. If the problem persists, contact technical service.
	Boiler temperature reset anomaly. The boiler temperature reset has not occurred within the time limits set forth in the wash cycle. Turn the machine off and then back on and run another cycle. If the problem persists, contact technical service.
	Tub filling time out: the tub has not filled. Check whether the plumbing connections are correct, and that the water supply cock is open. Check the presence of the overflow. If the problem persists, contact technical service.
	Tub thermometer anomaly. (Probe open) The machine does not measure the temperature in the tub. Turn the machine off and then back on. If the problem persists, contact technical service.
	Tub thermometer anomaly. (Probe shorted out) Interrupt the programme in progress, and shut off the dishwasher. Turn it back on after a few minutes and start the cycle again. If the problem persists, contact technical service.
	Boiler thermometer anomaly. (Probe open) The machine does not measure the temperature in the boiler. Turn the machine off and then back on. If the problem persists, contact technical service.
	Boiler thermometer anomaly. (Probe shorted out) Interrupt the programme in progress, and shut off the dishwasher. Turn it back on and start the programme again. If the problem persists, contact technical service.
	Boiler fill time out: failure of boiler to fill. Rinsing cannot be performed. <ul style="list-style-type: none"> • Check that the water supply tap is open. • Run another complete cycle. If the problem persists, disconnect the electricity and contact technical service.
“HI T° TK”	Tub temperature too high.
“HI T° BO”	Boiler temperature too high.
“SAFE”	Electromechanical safety: the safety thermostats of the boiler or tub have tripped, or the tub safety pressure switch has intervened. Contact a technical service centre.
“SAFE”	Incorrect tub level: the tub pressure switch has detected a level of water in the tub that is too high or too low. Contact a technical service centre.

Chap 6 DISPOSAL

There are no materials on our machines that require special disposal procedures.

**6.1 CORECT DSPOSAL OF THIS PRODUCT
(Waste Electrical & Electronic Equipment)**

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household user should contact either the retailer where they purchased this product or their local government office, for where and how they can take this item for environmentally safe recycling

- Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.