



Evolution Undercounter

User & Installation Guide

July 2026

For Models:

Undercounter

Evo 40, Evo 40WS, Evo 50, Evo 50RO, Evo 50WS, Evo 51, Evo 51COP, Evo 55WS

All spares available from



The Engine Shed

Top Station Road

Brackley

NN13 7UG

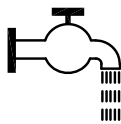
Tel: 0845 1308060

Fax: 01280 845345

Web: www.caterparts.com

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1

P1  **Boiler**  **Tank** 
 Set program 85C° 65C°
Water loading on
 

2

Fig. 1

2a

Ready



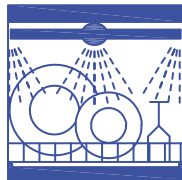
2c

Warning



2b

Working



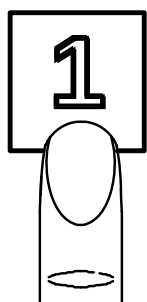
2d

Problem



Fig. 2

ON/OFF



P1  **Boiler**  **Tank** 
 Set program 85C° 65C°
Water loading on
 



P1  **Boiler**  **Tank** 
 Set program 85C° 65C°




P1  **Boiler**  **Tank** 
 Set program 85C° 65C°
Insert one basket
 

Fig. 3

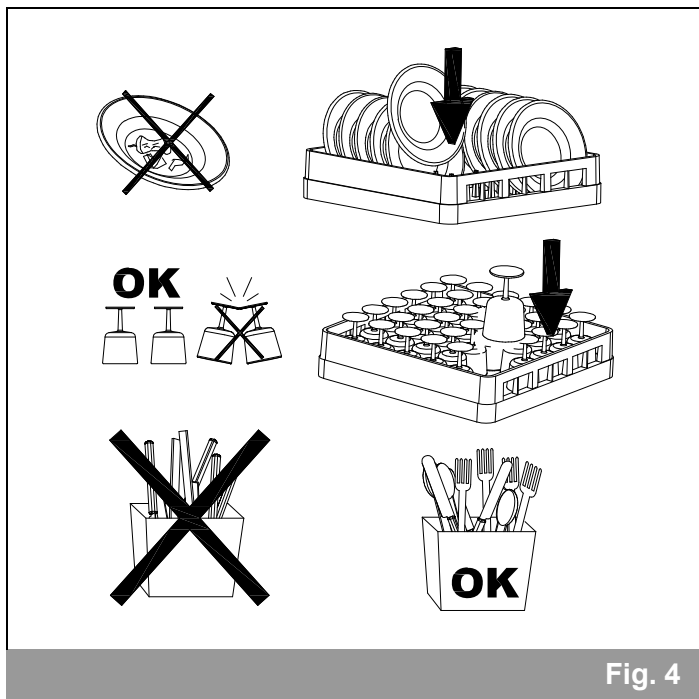


Fig. 4

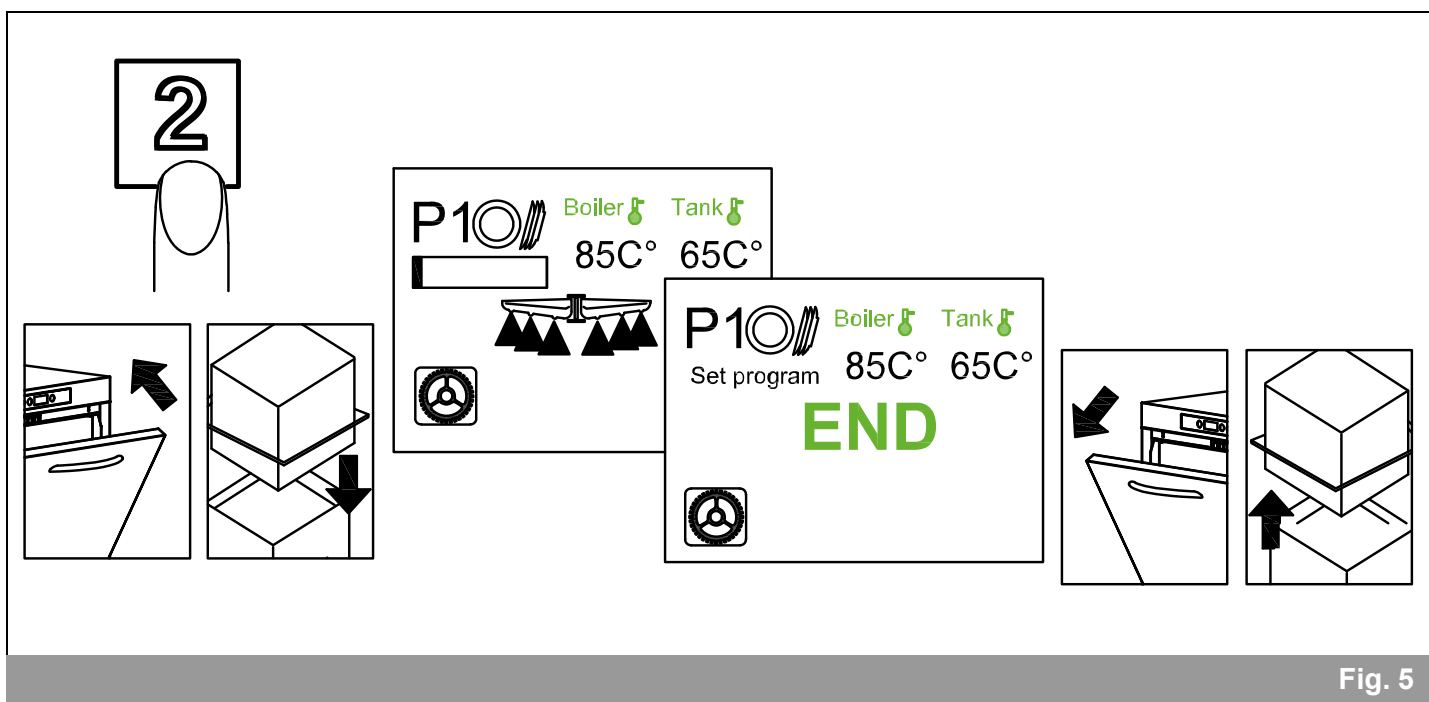


Fig. 5

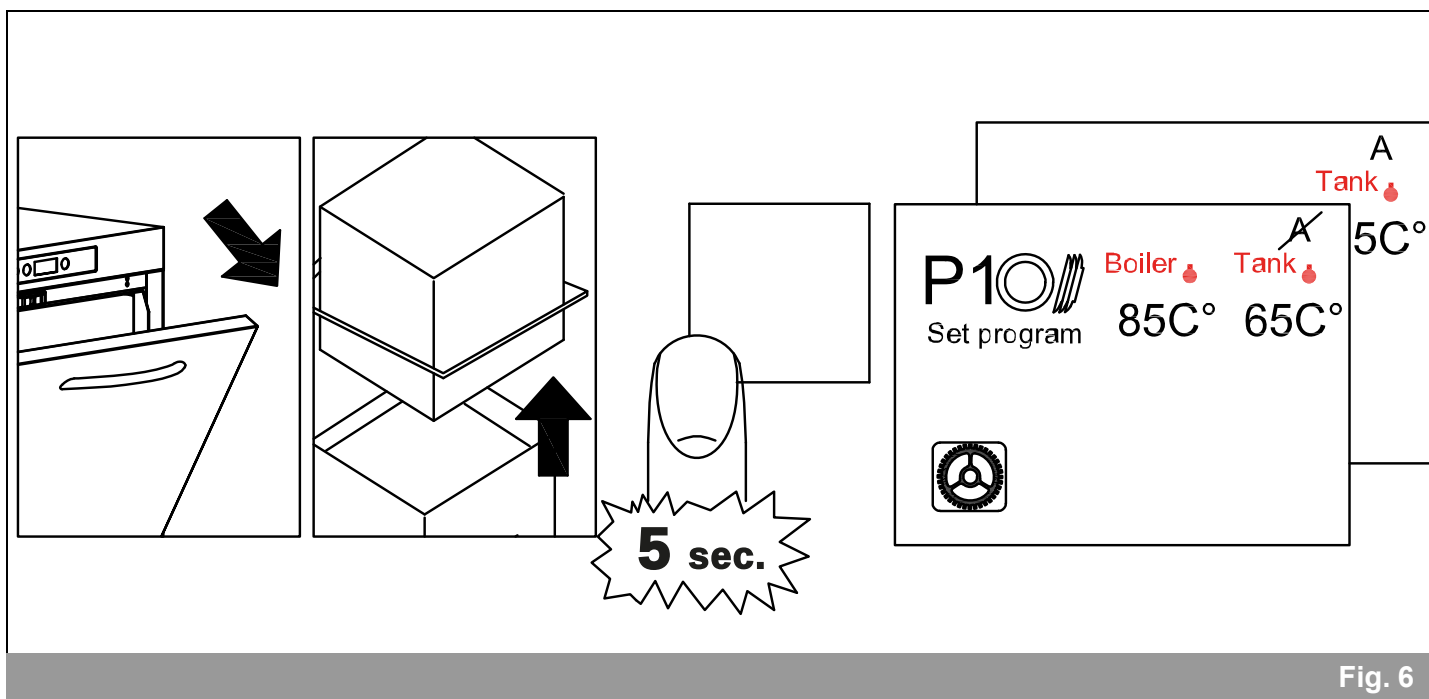


Fig. 6

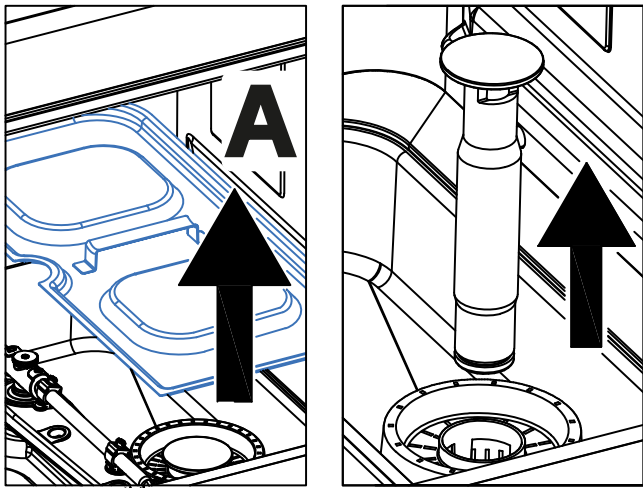


Fig. 7

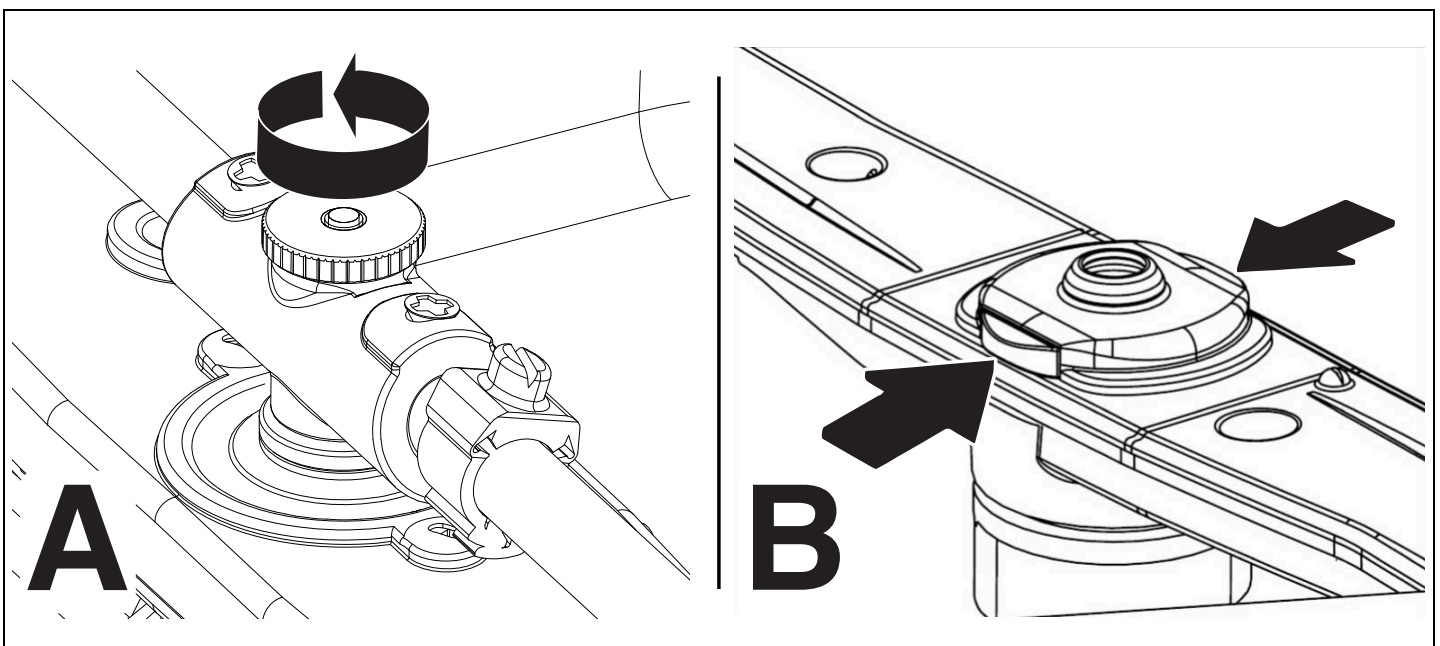
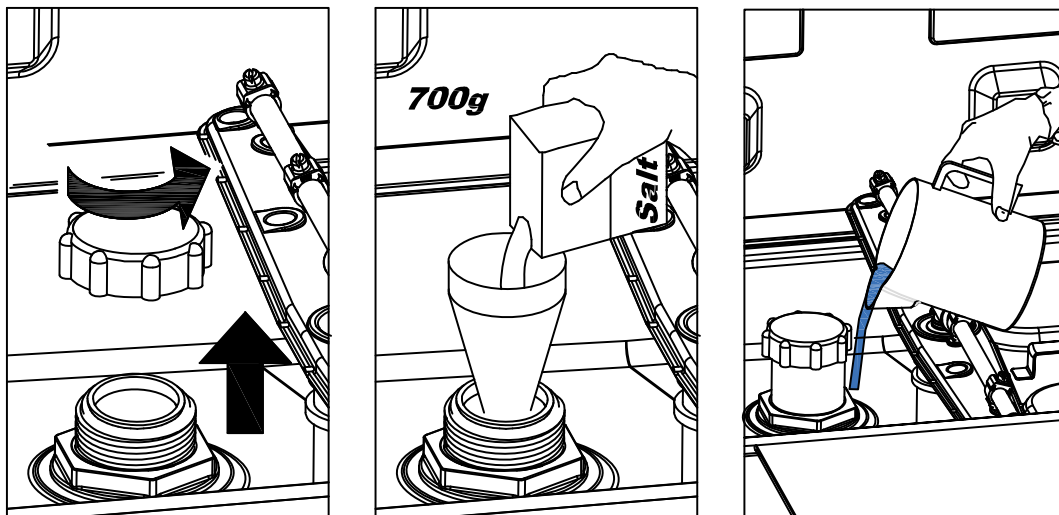


Fig. 8



After salt fill, empty the machine and do a manual tank rinse.

IMPORTANT

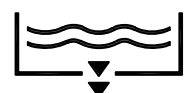


Fig. 9

CONTENTS

CAP 1 RISKS AND IMPORTANT WARNINGS	2
1.1 NORMAL OPERATING CONDITIONS	3
CAP 2 PREFACE	3
2.1 WARNINGS	3
2.2 WARRANTY	3
2.3 STORAGE	3
CAP 3 INSTALLATION	4
3.1 UNPACKING	4
3.2 POSITIONING	4
3.3 ELECTRICAL CONNECTION	4
3.4 HYDRAULIC CONNECTION	5
3.5 CONNECTION TO THE DRAIN LINE	6
3.6 RINSE AID AND DETERGENT	6
CAP 4 USING THE MACHINE	7
4.1 INTERFACE	7
4.2 SWITCHING THE DISHWASHER ON	7
4.3 PROGRAMME SELECTION	8
4.4 CUSTOMISING THE PROGRAMME MENU	8
4.4.1 PRE SET	8
4.4.2 PROG	9
4.4.3 Customising the drain programmes	11
4.5 FILLING THE RACK	11
4.6 CYCLE START-UP	11
4.7 AUTOMATIC CYCLE START-UP	12
4.8 TURNING THE DISHWASHER OFF	12
4.9 EMPTYING THE DISHWASHER	12
4.10 RESIN REGENERATION (*OPTIONAL)	12
4.11 DISHWASHER WITH EXTERNAL WATER SOFTENER	12
4.12 END OF SHIFT	13
CAP 5 MAINTENANCE	13
5.1 GENERAL RULES	13
5.2 CLEANING	13
5.3 CLEANING THE FILTER UNIT	13
5.4 CLEANING THE ARMS	13
5.5 DISPENSERS	13
CAP 6 SELF DIAGNOSTICS	14
CAP 7 ADJUSTMENTS AND SETTINGS	16
7.1 WATER HARDNESS TABLE	18
CAP 8 SCRAPPING	19
CAP 9 ENVIRONMENT	19
9.1 RESPECT FOR THE ENVIRONMENT	19

The manufacturer retains ownership of this document according to the time limits laid down by law, and its reproduction and dissemination by any means without its prior written authorisation is prohibited.

N.B. The manufacturer reserves the right to modify the electrical, technical and aesthetic features of this appliance and replace any of its parts without notice, as he deems necessary to offer a reliable product with a long service life and advanced technology.

CAP 1 RISKS AND IMPORTANT WARNINGS



Read the instruction manual carefully before starting the machine. It contains important information regarding safe installation, use and maintenance. Failure to observe the instructions in the enclosed documentation may compromise appliance safety and immediately voids the warranty.

- This appliance is intended solely for the use for which it was designed. Any other use is deemed improper and therefore hazardous.
- The specialised technician responsible for installing the appliance must instruct the user on its operation and any attendant safety measures, including practical demonstrations.
- Only the manufacturer or an authorised service centre with qualified staff may work on the machine, even in case of malfunction, using only original spare parts.
- Always disconnect or isolate the machine from its power and water supplies before servicing, repairing or cleaning it.
- The machine must **NOT** be used by untrained persons.
- The appliance may be used by children aged at least 8 years old or persons with reduced physical, sensory or mental capacities, or with no experience or knowledge, provided they are supervised or after they have received training in the safe use of the appliance.
- Children must not play with the appliance.
- Cleaning and maintenance by the user must not be performed by unsupervised children.
- The machine must **NOT** remain switched on when not in use.
- If the machine is not fitted with a plug or other means of complete disconnection with separation of all the contacts, these disconnection devices must be incorporated into the power mains, in compliance with the installation rules.
- If the power cable is damaged, it must be replaced by the manufacturer or an authorised technical assistance service, or in any case by a person with similar qualifications, to prevent any risk.
- The screw on the appliance marked with the IEC 60417 standard symbol 5021 represents the equipotential connection.
- **NEVER** open the machine quickly if it has not completed its cycle.
- **NEVER** use the machine without the protection devices arranged by the manufacturer.
- **NEVER** use the machine to wash objects of type, shape or material not guaranteed as machine washable or not perfectly intact.
- **NEVER** use the appliance or any of its parts as steps or a support for people, property or animals.
- **NEVER** overload the open door of front-loading machines, which is rated only to support the rack loaded with dishes.
- **NEVER** place your bare hands in the wash solution.
- **NEVER** overturn the machine after it has been installed.
- If you notice any malfunction or fluid leak, immediately disconnect the power supply and shut off the water supply.
- Do not install the dishwasher near heat sources over 50°C.
- **NEVER** leave the dishwasher exposed to the weather (rain, direct sunlight, etc.)
- The dishwasher may not be installed outdoors without proper cover.
- Never start a wash programme without the overflow in the tub, as applicable.
- Never place magnetic objects in the vicinity of the machine.
- Do not use the top of the machine as a table or support.
- The installer is responsible for checking that the grounding system is fully operational.
- At the end of testing, the installer must issue a written declaration stating that the machine has been installed and tested in accordance with established legislation and good practice.
- **DO NOT** change the position of or tamper with the machine's parts, as this could compromise its safety.
- Noise pressure level according to EN ISO 4871:
 - LpA Max = 55db Kpa=2.5db for undercounter versions
 - LpA Max = 65db Kpa=2.5db for hood versions
 - LpA Max = 76db Kpa=1.5db for utensil washer versions.
- Max inlet water temperature: 50°C.
- Max inlet water pressure: 4 bar (400 kPa).

- Appliance designed for permanent connection to the water supply.
- Do not clean the appliance with steam or water jets.
- Max unloading height:
 - On the ground in versions with overflow.
 - Maximum height 1 m in versions with drain pump.

1.1 Normal operating conditions

Ambient temperature:	40°C max / 4°C min (average 30°C)
Altitude:	Up to 2000 metres
Relative humidity:	Max 30% at 40°C / max 90% at 20 °C

CAP 2 PREFACE

2.1 Warnings

Keep all documentation in the vicinity of the appliance; make it available to the technicians and operators charged with operating it and keep it in good condition in a safe place, along with extra copies for frequent reference

The operator must read, understand and familiarise himself with the contents of this manual before working on or with the appliance.

The appliance is intended solely for professional heavy duty dishwashing applications and must be installed, operated and serviced only by qualified persons according to the manufacturer's instructions.

2.2 Warranty

The manufacturer is not liable for any damage or injury resulting from failure to observe the instructions or improper use of the machine.

Failure to observe the instructions in the enclosed documentation may compromise appliance safety and immediately voids the warranty.

Installation and repair by unauthorised technicians and the use non-original spare parts immediately void the warranty.

2.3 Storage

Transport and warehousing: Between -10°C and 55°C with peaks up to 70°C (for max 24 hours).

CAP 3 INSTALLATION

Proper installation is essential to the good operation of the appliance. Some of the data required for installation of the appliance are given on the nameplate on its RH body panel, and a copy is included on the cover page of this manual.



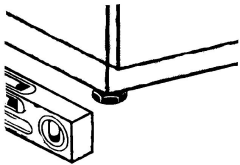
The appliance may only be installed by qualified persons authorised to do so.

3.1 Unpacking

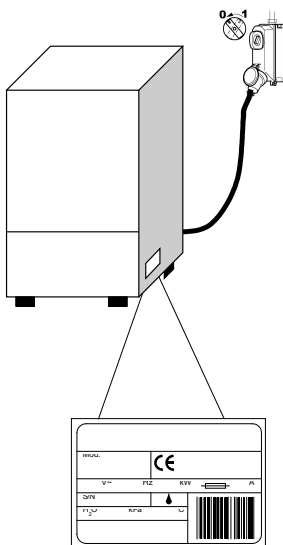
Check the condition of the packaging, and note any evident damage on the shipping bill. Remove the packaging and check that the appliance is in good condition; immediately report any damage to the reseller and the shipping agent by fax or registered letter with return receipt. If the damage is such as to compromise the safety of the appliance, do not install or operate it until it has been inspected by a qualified technician.



The packaging (plastic bags, expanded polystyrene, nails, etc.) is hazardous and must not be left within the reach of children or pets.

3.2 Positioning

- Check that there are no objects or materials in the installation area which may be damaged by the steam emitted by the appliance during operation, or if there are, make sure they are properly protected.
- Before positioning the dishwasher, set up the electrical power supply, water supply and drain connections.
- For flush-mounting single panel machines, leave a space of at least 10 mm between the machine walls and the adjacent surfaces.
- The floor or build-in unit must be rated to support the weight of the appliance.
- To ensure that it is stable, level the appliance with its four feet.
- The appliance is intended for fixed installation only; any other approaches must be agreed with and approved by the manufacturer.
- Remove the protective film from its body panels before operating the dishwasher.

3.3 Electrical connection

- The power supply must be fitted with a omnipolar circuit breaker (master power switch) to break all contacts including neutral, with a contact gap of at least 3 mm and thermal cutout or fuses, which must be set or rated to the power indicated on the machine's nameplate.
- The master power switch must be fitted to the power line in the vicinity of the installation and may be connected to only one machine at a time.
- The mains voltage and frequency must match the nameplate ratings.
- The installation must include a grounding system conforming with established electrical safety legislation, to protect the operator and the appliance itself.

- This appliance conforms to EN/IEC 61000-3-11 certification if the system impedance Z_{sys} is less than or equal to Z_{max} in the point of interface between the user's supply system and the public system. The installer or appliance user is responsible for checking that the appliance is connected exclusively to a supply with system impedance Z_{sys} less than or equal to Z_{max} .

	Z_{max}
Utensil washers	0.21 Ω
Hood	0.24 Ω
Undercounter	0.41 Ω

- The power cable, which must be exclusively type H07RN-F with current capacity at 60°C on the cable:

Three-phase machine

- 5x2.5 mm² up to 20 A
- 5x4 mm² up to 30 A
- 5x6 mm² up to 38 A
- 5x10 mm² up to 54 A

Single-phase machines

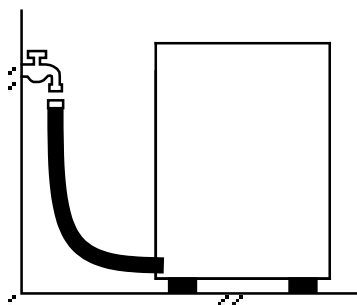
- 3x1.5 mm² up to 16 A
- 3x2.5 mm² up to 25 A

- Must not be stretched or crushed during normal operation or routine maintenance.
- The appliance must also be connected to an equipotential system, connected by a screw marked by the symbol 5021 - IEC 60417. 
- The equipotential cable must have a cross section of 10 mm².
- Respect the polarities indicated in the wiring diagram.
- For further information, refer to the wiring diagram.



Do not use multi-sockets, adapters, cables of an inadequate cross-section or type or with extensions not conforming to established electrical installation regulations.

3.4 Hydraulic connection

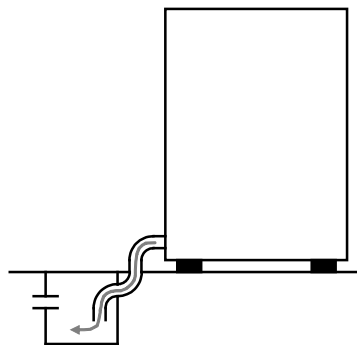


The appliance must be connected to its water supply with a flexible hose. A shut off valve (cock) must be installed between the water supply line and the appliance's solenoid valve. The cock must be close to the appliance.

- The water supply, temperature and pressure **must be compatible** with the ratings shown on the technical data plate on the machine.
- Make sure that the water supply flow rate is no less than 20 l/min.
- If the water hardness is greater than 14 °f (8 °dH), we recommend using an internal water softener. If the water hardness is greater than 35 °f (19.5 °dH), install an external water softener upline of the solenoid valve.
- For machines without water softener: if the water hardness is greater than 14 °f (8 °dH), install an external water softener upline of the solenoid valve.
- If the water has a very high residual concentration of high conductivity minerals, we recommend installing a demineralisation system.

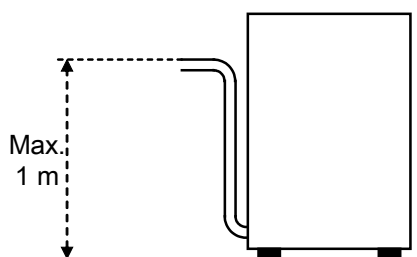
- Machines intended for use with desalinated water or in any case with high sodium chloride concentration must be ordered specifically, as they require specific construction materials
- Do not supply fully demineralised water to machines with a heat recovery unit with batteries with copper pipes. In this case, request the version with batteries with stainless steel pipes.

3.5 Connection to the drain line



- The drain line must consist of a free drain sump with siphon suited to the flow capacity of the drain hose supplied with the appliance. The hose must be able to reach the sump without stretching, restriction, folding, crushing, pressing or forcing in any way.
- The tub drains under gravity, so the drain sump must be lower than the machine's base.

Free drain



- If the drain is not lower than the base of the appliance, you can use the version with drain pump ([available on request](#)).
- In this case, the drain connection may be no higher than 1 m.
- Always check that the drain works properly and is not blocked.
- Any other solution must be approved by the manufacturer in advance.

With drain pump (available on request)

3.6 Rinse aid and detergent

- The rinse aid and detergent are dispensed by the machine's integral dispenser (depending on model).
- The dose is set by the installer in relation to the hardness of the water, and he also calibrates the dispensers themselves.
- Before calibrating them, fill the dispenser supply tubes with their respective product.
- The units are calibrated with the adjuster screws, or directly with the control panel (as applicable).
- The level of fluid in the container must be sufficient for priming; do not allow it to drain completely or top it up with corrosive or impure product.

NEVER use CHLORINE or HYPOCHLORITE based detergents.

We recommend installing an automatic detergent dispenser.

CAP 4 USING THE MACHINE

4.1 Interface

Buttons*		Colour codes and operating status			
1	ON/OFF button	White			
2	START button	YELLOW Machine not ready	GREEN Machine ready	BLUE Cycle on	RED Error

* with reference to (Fig. 1) and (Fig. 2).

Information and warning symbols*			
	Generic Warning: touch the icon to view the warning.		Pause
	No salt.		Wi-Fi connected; if barred: not activated.
	No detergent.		Load rack.
	No rinse aid.		Load water.
	Maintenance Required: touch the icon to view the request.		Fault: touch the icon to view the type of fault.
A	Automatic Start; if barred: not activated.		Screen lock on or off.

with reference to (Fig. 2)

Function symbols			
			END
Wash	Drain	Rinse	End of cycle

4.2 Switching the dishwasher on

See (Fig. 3)

- Turn on the main electrical power switch.
 - Open the main water tap.
 - The DISPLAY will show the dishwasher's software information; when the check is complete, the DISPLAY will switch off.
 - The **ON/OFF (1)** button will stay on with low brightness to indicate the machine is in standby.
- The **DISPLAY** features a safety lock that activates after 60 seconds; to unlock it, touch it and slide the padlock

icon from closed to open with your finger.

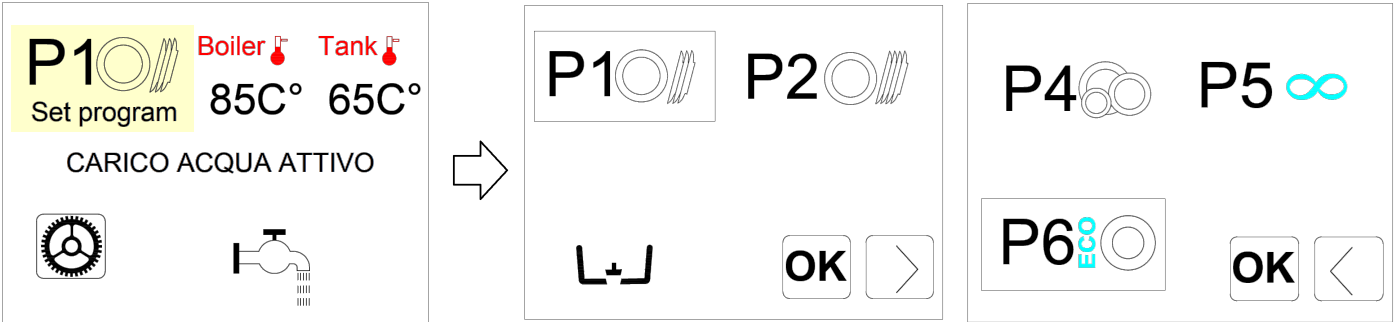


- Check that the spray arms and filters are positioned correctly.
- Check the levels of detergent and rinse aid in the dispensers.
- Unlock the DISPLAY if necessary by sliding the padlock icon from closed to open.

- Press and hold down the **ON/OFF button (1)** to switch the machine on; the button will increase in brightness.
- The **DISPLAY** will show a series of information: programme set, tank and boiler temperatures, machine status.
- The green **Boiler** and **Tank** and **START (2)** button will indicate that the dishwasher is ready for use.
- Each time it is switched on, the last programme used before switching off will be that set.

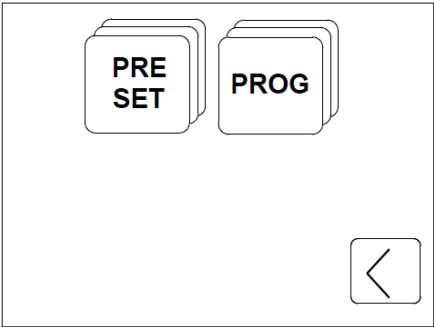
4.3 Programme selection

- Touch the **SET PROGRAM** icon on the screen to open the programme menu:



- In the menu, there are 5 default programmes to choose from, plus the drain programme.
- Use the arrow, bottom right, to move between the two menu screens.
- Select the desired programme and confirm with **OK**, the active programme will now be the one chosen.

4.4 Customising the programme menu



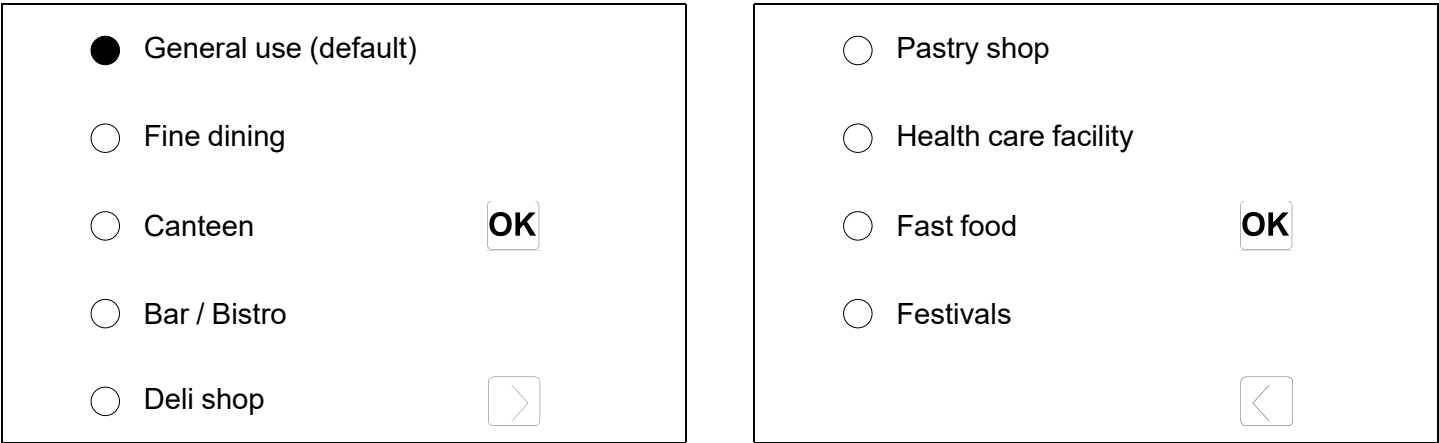
It is possible to customise the programme menu by replacing one or more of the available programmes.

- Open the programme menu, as per section **4.3 Programme selection**.
- Holding down the programme you wish to replace opens the configuration menu.
- From this menu, you can select and replace the entire SET of programmes, or the individual programme.

4.4.1 PRE SET

From here, you can select one of the default programme SETs, depending on the type of service.

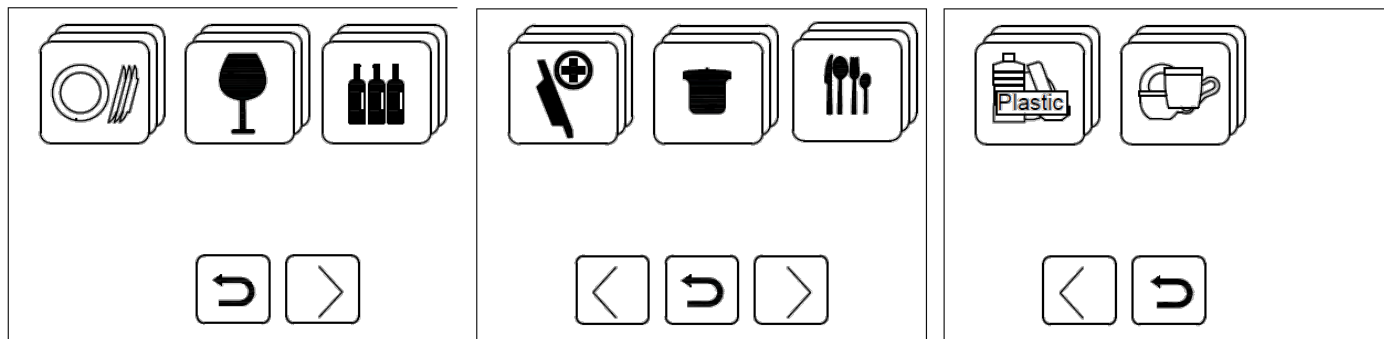
- Use the arrow, bottom right, to move between the menu screens.
- Select the SET you want to use and confirm with **OK** to return to the main menu.
- The selected programme SET will now be the default SET.



4.4.2 PROG

From here, you can select and replace the menu programmes one by one, as needed.

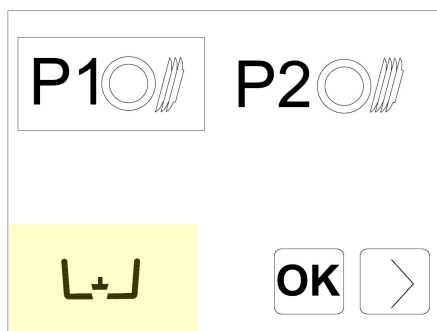
- Use the arrows to move between screens and view programme groups by type of dishware.
- Touch the RETURN icon to return to the initial screen.
- Touch the desired icon to open the programme list.



- Touch the icon of the programme you wish to set and press **OK** to confirm.
- The selected programme will now be part of the default programme set.

DISHES			 P1 STANDARD	 P2 INTER-MEDIATE	 P3 INTENSIVE	 P4 DELICATE	 P5 CONTINUOUS	 P6 ECO
GLASSES			 G1 INTENSIVE	 G2 STANDARD	 G3 DELICATE	 G4 ICE CREAM		
BOTTLES			 B1 RINSE	 B2 WASH	 B3 INTENSIVE			
SANITIZE			71_c P71C	A0₃₀ PA030 SANI A0= 30	A0₆₀ PA060 SANI A0= 60	A0₃₀₀ PA0300 SANI A0= 300		
POTS			 Pt1 STANDARD	 Pt2 INTENSIVE	 Pt3 LONG			
FLATWARE			 S1 STANDARD	 S2 INTENSIVE				
PLASTIC			 Pp1 GLASSES	 Pp2 DISHES				
CUPS			 C1 STANDARD	 C2 BISTRO	 C3 INTENSIVE			

4.4.3 Customising the drain programmes



It is possible to customise the drain programme, replacing the default one, choosing from those available.

- Open the programme menu, as per section **4.3 Programme selection**.
- Holding down the drain icon opens the list of drain programmes available.
- Select the desired programme and confirm with **OK**.
- The selected programme will now be part of the default programme set.

DRAIN	SELF-CLEAN	WATER EXCHANGE	INTENSIVE CLEANING

4.5 Filling the rack

Referring to (**Fig. 4**), to ensure the correct operation of the dishwasher, follow the rules described below:

- Use a suitable rack, fill without overloading and without overlapping the dishes.
- Rinse the dishes, removing large pieces of food.
- Place empty containers with the opening facing downwards
- Place plates and the like in the sloping rack, with the inner surface facing upwards.
- Place the cutlery in the cutlery basket, handle end down.
- Do not place silver and stainless steel cutlery in the same cutlery basket as this will turn the silver brown and may corrode the steel.
- Wash the dishes immediately after use, in order to prevent any residue from hardening and sticking on them.
- Use only solid, dishwasher-proof dishes.

4.6 Cycle start-up

See (**Fig. 5**)

- To start the programme, press the **START (2)** button, the button will turn blue and the DISPLAY will show information on the cycle stage.
- When the cycle is complete, the display will show **End** and the **START (2)** button will turn green.
- For rapid drying, take the rack out of the machine as soon as the cycle finishes.
- To stop a wash cycle early, press the **START** button (2) again.

4.7 Automatic cycle start-up

See (Fig. 6)

This function lets you start a cycle by simply closing the door (or hood) without pressing any buttons. To enable the function, proceed as follows:

The letter **A** on the display indicates that the function is enabled.

- If not made available by default, the function must first be enabled via the settings menu.
- To disable the function, press **START (4)** for a few seconds while the door is open.

This disabling is only applied for a single wash cycle.

N.B. In hood versions, the automatic start function is automatically enabled after the first work cycle; all subsequent cycles will start automatically when the hood is closed. This operating mode is indicated by the letter **A on the display.**

4.8 Turning the dishwasher off

- To switch off the machine press the ON/OFF button (1); the DISPLAY will show the time and date for approximately 60 seconds and the lock will be activated.

N.B. If the machine stays on with the door open for more than one hour, it will switch off automatically.

4.9 Emptying the dishwasher

- You can select a drain and clean cycle as indicated in section **4.4.3 Customising the drain programmes**.
- Open the programme menu, as per section **4.3 Programme selection**, select drain and confirm with **OK**
- Press **START (2)** to start the programme.
- The machine will switch off when the cycle is completed.

4.10 Resin regeneration (* optional)

On machines equipped with a built-in softener, the resin regeneration cycle will be activated automatically depending on the water hardness setting; the current wash programme may last longer.

N.B. Do not switch off the machine if a regeneration cycle is underway.

In machines fitted with water softener, when the warning **NO SALT** appears, you should add salt to the respective container; proceed as follows:

- Remove the rack from the machine.
- Remove the integral filter (Fig. 7).
- Unscrew the cap on the salt container (Fig. 8).
- Pour approx. 700g of regeneration salt (1or 2mm grain size kitchen salt with no additives) into the container using the funnel supplied.
- Close the container firmly.
- The warning **NO SALT** will disappear after a few minutes.

4.11 Dishwasher with external water softener

On machines equipped with an external water softener, after a default number of cycles, the word **SERVICE** will appear on the display; this means that it is necessary to regenerate the resin of the external water softener.

The message can be reset from menu 12.

4.12 End of shift

- At the end of the day, always drain the machine as described in section **4.9 Emptying the dishwasher**.
- Disconnect the power supply by means of the main switch and close the external water cock.
- Perform routine maintenance and clean the machine as described in section **CAP 5 MAINTENANCE**.
- If possible, leave the door ajar to prevent bad odours building up inside the machine.

CAP 5 MAINTENANCE

5.1 General rules



Before doing any maintenance, completely drain out all water, shut off the power supply and close the water supply cock.

Do not use water under pressure - it can damage the electrical equipment. Only wash the body panelling when it is cold, using only products specifically designed for steel.

If there is a risk of ice forming, drain the water from the boiler and wash pump.

5.2 Cleaning

To keep the machine in good working order, it must be maintained regularly as explained below. We recommend periodically running a sanitising treatment with suitable non-corrosive commercial products.

5.3 Cleaning the filter unit

Run this procedure at the end of the day or when you see the filters are dirty:

1. Remove and clean the racks.
2. Empty out the tub as explained in section **4.9 Emptying the dishwasher**.
3. Remove and carefully clean all the filters.
4. Do not use abrasive products to clean the tub.
5. Restore all removed parts when finished.

5.4 Cleaning the arms

The wash and rinse arms are easily removed in order to clean their nozzles and prevent blockage/encrustations.

Proceed as follows:

- Remove the spray arms by unscrewing the retaining nuts or by unclipping the quick-fit attachments on machines so equipped.
- Wash all parts under a jet of running water and clean the nozzles thoroughly, using a toothpick or pointed tool if necessary.
- Clean the arm rotation pins inside the machine and the wash and rinse water drainage area.
- Restore the arms and check that they rotate freely.

5.5 Dispensers

To ensure that the dishwasher operates efficiently, the tubes inside the detergent and rinse aid dispensers must be replaced periodically.

The tubes have a service life that can vary depending on the chemicals used.

We recommend that you periodically check the condition of the tubes and plan to replace them at least once a year.

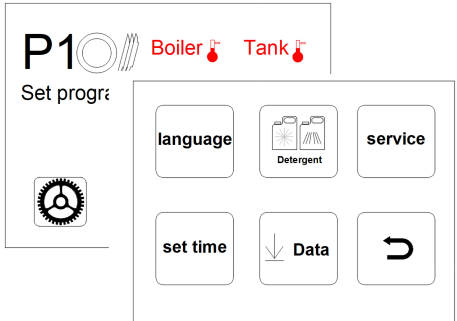
The machine is equipped with a self-diagnosis system that registers and warns of a number of malfunctions.

Fault		Description and possible remedies
Er01		No rinsing. The rinsing cycle was not completed correctly. Make sure that the rinsing nozzles are clean.
Er02		No water drained. The water was not drained or drained incorrectly. Check that the drain pipe is not bent or crushed and that the siphon and filters are not blocked. In machines fitted with an overflow pipe, remove this before starting the drainage cycle.
Er03		Rinse temperature reset fault. The boiler temperature did not reset in the set time during the washing cycle. Switch the machine off and then on and run a new cycle.
SAFE	Er04	Water filling in tank fault. Make sure the pipes are connected correctly, and that the water tap is open. Where foreseen, check the presence of the overflow. Switch the dishwasher off and then on and fill again.
	Er05	Tank thermometer fault. (Probe open) The machine does not read the tank temperature value. Switch the dishwasher off and then on.
	Er06	Tank thermometer fault. (Probe short circuited) The machine does not read the tank temperature value. Switch the dishwasher off and then on.
	Er07	Boiler thermometer fault. (Probe open) The machine does not read the boiler temperature value. Switch the dishwasher off and then on.
Er08		Boiler thermometer fault. (Probe short circuited) The machine does not read the boiler temperature value. Switch the dishwasher off and then on.
Er09		Boiler loading timeout: boiler not filled. Impossible to carry out rinse cycle. Check that the water tap is open. Switch the dishwasher off and then on and run a new cycle.
Er21		Insufficient rinse The right amount of rinsing did not take place; make sure the rinse nozzles are clean. The error does not block the machine.
Er22		Tank temperature reset fault: The tank temperature did not reset in the set time during the washing cycle. Switch the machine off and then on and run a new cycle.
Er25		Run external regeneration: The number of litres set for external water treatment equipment has been reached, the error does not prevent dishwasher operation, the message can be reset from the settings in menu 12.
SAFE	ErSF	Electro-mechanical safety device: The boiler or tub safety thermostats have been tripped, or the tub safety pressure switch has been triggered.
	ErSL	Level safety switch: Incorrect water level in the tank.
	Erb	Excessive Boiler Temperature: Probable heating contactor /relay failure
	Ert	Excessive Tub Temperature: Probable heating contactor /relay failure
drt		Dirty filter: Incorrect water level in tub, caused by dirty filter or poorly inserted overflow.
ErSI		Supply safety error: Fatal error, contact a technical assistance centre.
Er98		Soft start error: Soft start system error, contact a technical assistance centre.
NO SALT		No salt: In dishwashers with water softener, this means that there is no salt. Add salt.

Fault	Description and possible remedies
NO DT	No detergent: Add detergent in the priming tank.
NO BL	No rinse aid: Add rinse aid in the priming tank.
SERV	Maintenance required: General maintenance is required, if pre-set.
REG ON	Regeneration in progress: the regeneration cycle for the water softener resin is underway.
REG REQ	Regeneration Required: Start the regeneration if not automatically scheduled.
Er27	Boiler gradient error: The boiler is not heating correctly.
Er28	Tub gradient error: The tub is not heating correctly.
Er99	Auxiliary board error: Communication with the auxiliary board is not correct.
Er30	Automatic open error: In dishwashers with hood with automatic open, the opening system is not operating correctly. Check that nothing is stopping the hood from opening. If the problem persists, contact a technical assistance centre.
Er31	Automatic close error: In dishwashers with hood with automatic open, the closing system is not operating correctly. Check that nothing is stopping the hood from closing. If the problem persists, contact a technical assistance centre.
Er33	Osmosis with minimum pressure: Check that the water tap is open.
Er34	Osmosis water loss: Close the power and water supply for the dishwasher; contact a technical assistance centre.
Er35	Osmosis conductivity error: Osmosis system does not work properly, contact a technical assistance centre.
Er36	Osmosis filter: The osmosis filter needs to be replaced; contact a technical assistance centre.
Er37	Boiler heating timeout: The rinse water heating element does not work properly, contact a technical assistance centre.
Er38	Tub heating timeout: The wash water heating element does not work properly, contact a technical assistance centre.
Er39	Faulty boiler pressure switch.
Er40	Faulty tank pressure switch.
 Switching the dishwasher off and then on again "resets" the signals, if after carrying out the instructions given the problem persists, contact an Authorised Service Centre.	



The following settings should only be configured by a qualified technician.



From the main screen, you can access the settings menu, by touching the “Gear” button, bottom left.



Then you can select one of the following submenus.

Use the arrows to move inside the menus, and to scroll and edit the parameters.



Touch **OK** to confirm.

Touch the RETURN button to return directly to the main menu.



Language	Language settings: You can choose between the available languages: touch the circle for the desired language, then RETURN to confirm and exit.
Set time	Set date and time: Set the time using the vertical arrows ▲▼, then go to the next menu to set the date.
Detergent	Adjust detergent and rinse aid: you can adjust the quantity of detergent and rinse aid in g/l, using the vertical arrows ▲▼.
Date	Upload Menu: Press the button, after inserting a USB flash drive to upload the missing DISPLAY update software programs.
	Prog date: Press the button, after inserting a USB flash drive to upload all the DISPLAY update software programs.
	Download Menu: Press the button, after inserting a USB flash drive to download the list of cycles carried out.

Selecting the **SERVICE** menu opens an additional series of submenus.

	Mem Alarm	Alarms memory: Press the button to view the history of errors that have occurred.
	Info	Info: Press the button to view the dishwasher settings parameters.
	Mem Prog	Programmes memory: Press the button to view the list of cycles carried out and their outcome.
	reset	Press the button to restore factory settings.
Touch the “spanner” symbol to open the technical menu, where you can check and edit some settings.		

 input
outpt
state set
menù
key ↩			Connection can be enabled or disabled by means of the Wi-Fi symbol.	
			Input output state	From this menu, you can view information on the input and output state of the dishwasher.
			Set menu key	From this menu, you can edit some operating parameters. Using the vertical arrows ▲ ▼, enter the menu number and press Login.

Menu 12: In this menu, you can edit the following parameters.

Language	Select language.
Boiler Set	Adjust the boiler temperature for programmes. Versions with atmospheric boiler (rinse pump) have different settings for each programme (PR1 – PR2 – PR3).
Tank Set	Tub temperature regulation for programmes. Versions with rinse pump have different settings for each programme (PR1 – PR2 – PR3)
ThermoStop	Activation of ThermoStop function which ensures correct rinse temperature.
Energy Saving	Activation of Energy Saving function which allows energy-savings to be made when the machine is switched on but not in use.
Manual Detergent	Manual operation of detergent dispenser. By setting ON, the suction pipe is automatically loaded. The length of the pipe is predetermined according to the dishwasher model.
Manual Rinse Aid	Manual operation of rinse aid dispenser. By setting ON, the suction pipe is automatically loaded. The length of the pipe is predetermined according to the dishwasher model.
Detergent Dose	Adjustment of detergent dosing time or quantity in g/L according to the model.
Rinse Aid Dose	Adjustment of rinse-aid dosing time or quantity in g/L according to the model.
Water Hardness Measure Unit	Measurement unit for water hardness settings: F = French degrees, D = German degrees.
Water Hardness	Water supply hardness settings, for machines with built-in water softener, set according to measured water hardness; set as indicated in the table, next chapter.
Manual Rinse Pump	Manual operation of rinse pump.
Manual Drain	Manual operation of drain pump.
Autostart Enable	Automatic start enabled.
Service Cycles Counter	Setting and activation of cycle counter, which activates the Service maintenance warning; the warning can be reset from the settings in menu 12.
Water Service Set	Setting of litres of autonomy for external water treatment equipment, adjustment setting from 0 to 12000 litres in steps of 200.

After setting the desired parameters, press **OK** to confirm and exit the Menu.

7.1 Water hardness table

Set the supply water hardness degree, **dH**, in the settings menu as shown in the following table:

Measured hardness		dH	Measured hardness		dH
°fr	dGH	n°	°fr	dGH	n°
0 ÷ 20	0 ÷ 11	1	41 ÷ 45	23 ÷ 25	6
21 ÷ 25	12 ÷ 14	2	46 ÷ 50	26 ÷ 28	7
26 ÷ 30	15 ÷ 17	3	51 ÷ 55	29 ÷ 31	8
31 ÷ 35	17 ÷ 20	4	56 ÷ 60	31 ÷ 34	9
36 ÷ 40	20 ÷ 22	5			

Our machines do not contain materials requiring special handling.

N.B. (Applicable in the EU and countries with sorted waste disposal).

The mark applied to the product or its documentation indicates that it must not be scrapped with domestic waste when it reaches the end of its service life. To prevent damage to the environment or health risks due to improper scrapping, keep this product separate from other waste and recycle it so as to promote sustainable use of materials.

Corporate users are requested to contact their supplier and check the terms and conditions of the purchase contract.

The product may not be scrapped together with other commercial waste.

	Symbols		Object	Material	%
Can be recycled directly			Sheet	Steel	80
			Cardboard packaging	PAP	
			Wooden pallet	ISPM15	
			Plastic parts	PP, PP+FV	
Compounds		WEEE	Motors	Assemblies	20
			Electric parts		
			Electronic parts		
			Rubber parts	EPDM	

CAP 9 ENVIRONMENT

9.1 Respect for the environment

Proper use of the dishwasher can improve its environmental footprint, if the following simple rules are observed:

- Only wash full racks.
- Switch the dishwasher off when not using it.
- Keep the machine closed when it is in standby.
- Use wash programmes suited to the amount of soiling.
- Supply the machine with hot water, if gas heated.
- Make sure the drains flow into a suitable sewer.
- Do not exceed the recommended dose of detergent.