

## TRANSLATION OF THE ORIGINAL INSTRUCTIONS

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**SMEG** thanks you for choosing one of its products.

This manual is an integral part of the appliance. Take good care of it and keep it to hand throughout the appliance's life cycle, since it contains important information about assembly, safety, use and maintenance.

In the event that the appliance is sold on, consign this manual to the new owner.  
Before putting the appliance into operation, read all the instructions in this manual carefully to become familiar with the right conditions for the proper use of your professional dishwasher.

# 1 PRODUCT IDENTIFICATION

## 1.1 Application, general functions and intended use

This dishwasher is intended for professional use in the restaurant and institutional catering sector and complies with the relevant safety regulations. However, misuse may cause injury and/or damage, and therefore the dishwasher must only be used by suitably trained staff.

This dishwasher has been designed for use in non-mobile premises and is only intended for washing crockery (dishes, pans, trays, cups, glasses and bowls) and any other items for commercial catering that are stable at the temperature and humidity produced by the appliance. Any other type of use is not permitted and may be dangerous.

Persons whose physical, sensory or mental capabilities, inexperience or lack of knowledge render them unable to use the dishwasher safely must not use it without the supervision and guidance of a responsible person.

The manufacturer shall bear no liability for any injury or damage caused by failure to comply with the instruction given in this manual, improper use, tampering with even a single part of the appliance, or the use of non-original spare parts.

## 1.2 Name and address of manufacturer/distributor

### Smeg S.p.A.

Via Leonardo da Vinci, 4 - 42016 Guastalla (RE) Tel. +39 0522 8211 - Fax + 39 0522 821453

internet: [www.smeg-professional.com](http://www.smeg-professional.com), email: [professional.service@smeg.it](mailto:professional.service@smeg.it)

Our Sales Department staff will be able to provide you with information about prices and special offers.

Our After-Sales Department will be able to provide you with guidance on keeping your appliance operating correctly and put you in touch with your nearest authorised Service Centre. Our entire product offering can be viewed at our website.

## 1.3 Declaration of conformity with product standards

This appliance complies with the relevant safety regulations and conforms to the requirements of directives 2006/42/EC and 2004/108/EC.

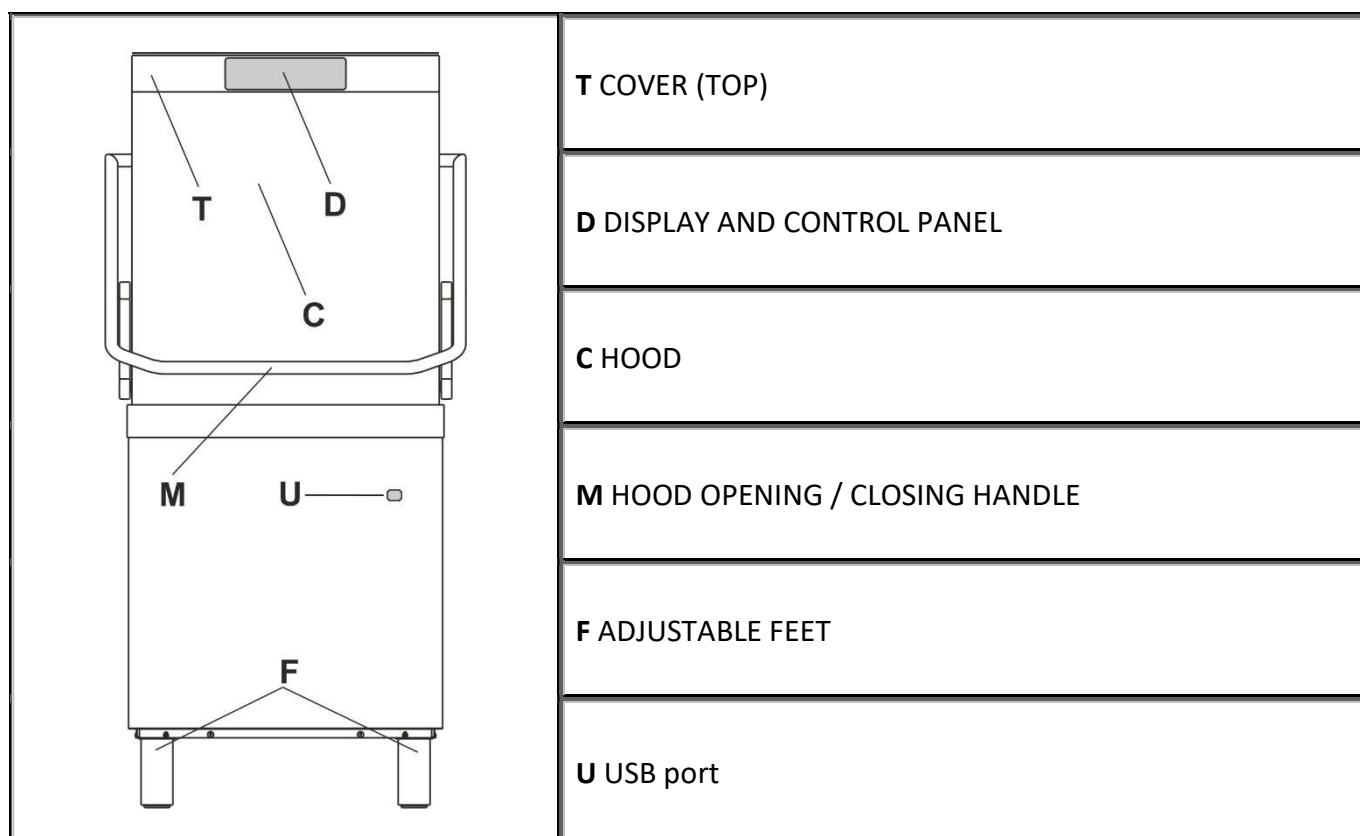
The dishwasher is also marked in compliance with European Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).



For information on the treatment, recovery and recycling of this product, contact the local authority, domestic waste collection service, or your Smeg reseller.

Make sure that this product is disposed of correctly in order to safeguard public health and the environment.

## 1.4 Description of the appliance



## 2 SYMBOLS USED IN THE MANUAL

	This symbol indicates that you must read the instructions contained in the manual carefully.
	This symbol is placed next to information relevant for the safety of persons and the appliance itself.
	This symbol is placed on some parts enclosing hazardous live components, indicating a risk of electric shock.
	This symbol is applied close to the terminal for the connection of an external equipotential conductor.
	This symbol is placed next to important information. Carefully read the instructions given and follow the behavioural rules and operations outlined therein.
	This symbol appears next to information and technical instructions intended for the qualified staff who are to install, commission and test the appliance and carry out any repairs.
	The presence of this symbol indicates that the appliance must be consigned to a disposal centre for recycling at the end of its life, in compliance with regulations in the country of use. Contact a specialist centre for disposal.

### 3 SAFETY PRECAUTIONS AND INSTRUCTIONS

The precautions and instructions below contain important information and must be read with care.

The manufacturer does not accept responsibility for damage caused by failure to comply with the safety precautions and instructions.

#### 3.1 Correct installation

- The dishwasher must be installed by a qualified technician.
- When handling and installing the dishwasher, always wear the most suitable personal protection equipment (PPE) for the task in hand.
- Do not install a dishwasher which has been damaged during transport. If in doubt, consult your dealer.
- If the power supply cable is damaged, do not run the dishwasher.
- Do not install the dishwasher in areas subject to freezing temperatures or in atmospheres with explosion risk (ATEX).
- Any accessories may only be installed on the appliance if authorised by the manufacturer.
- Do not install the dishwasher next to appliances which irradiate strong heat (e.g. gas burners, stoves, etc.) since they could cause damage.
- If the dishwasher is installed above the ground, make sure that the stand and dishwasher are secured properly and do not constitute a hazard.
- Electrical safety is only ensured if the dishwasher is connected to an earth conductor compliant with the relevant electrical regulations. If in doubt, have the system inspected by a qualified electrician.
- A circuit breaker and overcurrent protection device (magnetothermal switch or fuses) must be installed in an easily accessible position on the dishwasher's power supply line. This device must only serve the dishwasher and must be suitable for its rated electrical characteristics.
- Do not connect the dishwasher to the electrical mains by means of adapters or extensions, since they do not guarantee the safety required.
- If the dishwasher is connected to the electrical mains by means of a plug, it must be of the same type as the power socket, suitable for the appliance's rated electrical characteristics and compliant with the relevant national regulations on electrical systems. The power plug must be easily accessible after the appliance has been installed.

- Only use new hoses for connection to the water supply. Old hoses or hoses salvaged from previous installations must not be used.
- The drain connection must be made in accordance with the relevant national regulations. Substandard connections may cause flowback and in some cases pollution.
- If the machine is not to be installed in a recess, ask the manufacturer for the special mounting kit in to make it stable.

### 3.2 Safe use

- Warning! Do not place your hands in the area behind the hood, as there is a risk of crushing.
- The staff assigned to use the dishwasher must be suitably trained and instructed.
- The appliance is not suitable for use by juveniles or persons with reduced physical, sensorial or mental capacities, or those without the necessary knowledge and experience. Such persons may only use the appliance under the supervision of a person responsible for their safety.
- Do not leave the dishwasher door open. Risk of tripping or injury against the edges of the door.
- Do not sit or lean on the open door. This may tip over or damage the appliance.
- The water inside the dishwasher is not drinkable.
- Do not use the dishwasher for washing or soaking foods.
- Do not use the water inside the dishwasher for defrosting foods, even if they are in airtight containers.
- When using the dishwasher, remember that the dishes are very hot at the end of a wash cycle.
- Take care when opening the door as you might be splashed with water.
- When the door is opened, splashed of hot water may come out.
- Knives and pointed kitchen equipment must be placed in the basket with their tips downwards, or horizontally, taking care not to allow them to protrude from the basket
- The dishwasher is only intended for use with water and detergents suitable for washing in professional dishwashers. The use of other products may damage both the dishes and the appliance.

- Do not operate the dishwasher with organic solvents or flammable liquids. Never load dishes soiled with ash, wax or paint.
- When handling detergents, please follow the instructions of the detergent's manufacturer carefully.
- Always keep the detergent safety datasheets within reach so that the operator can consult them easily if necessary.
- Swallowing or inhaling detergents may cause serious injury to the nose, mouth and throat. If detergent inhalation or swallowing occurs, seek medical attention immediately.
- It is recommended to use baskets that are intact and not damaged by wear or tampering. The plastic runners of the baskets, if present, must not be removed, damaged, modified or tampered with.
- The water supply pressure must not exceed 1000 kPa.

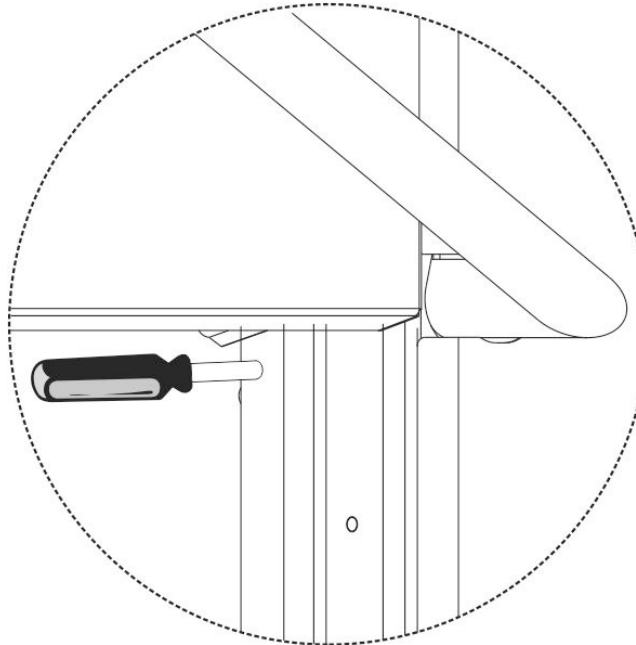
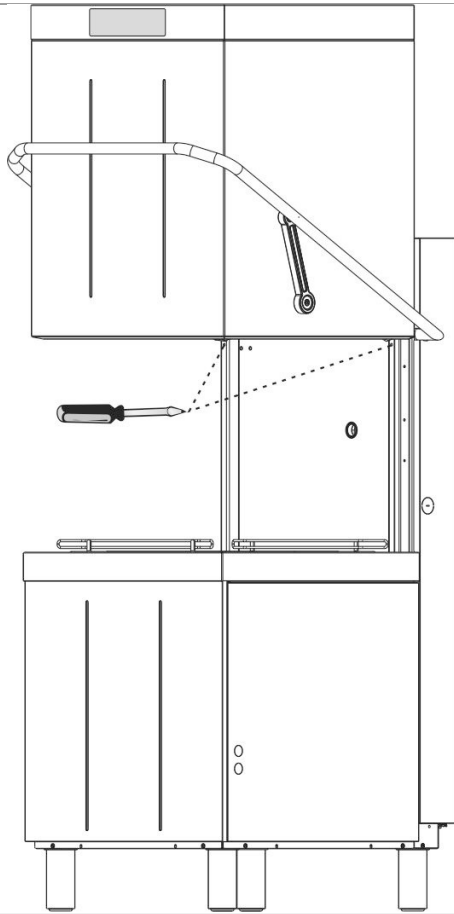
### 3.3 Correct maintenance

- Do not clean the machine with a water jet machine, high-pressure or steam cleaners.
- Before performing any maintenance procedure on the appliance disconnect it from the mains electricity supply. Touching live electrical components, even accidentally, may be very dangerous.
- Never open the dishwasher's case. Electric shock hazard. Only the authorised technician may access the internal parts of the dishwasher.
- The dishwasher may only be repaired by the authorised service organisation. Substandard repairs may cause damage or danger for the user.
- No alterations or changes of any kind to the appliance's electrical circuits or mechanical structure are permitted. The manufacturer declines all responsibility for damage arising from unauthorised alterations.
- Replace any faulty parts only with original spare parts. The manufacturer declines all liability for damage resulting from the use of non-genuine spare parts.
- The power supply cable, if fitted, must be replaced by the manufacturer or an authorised service centre in accordance with the technical data specified on the wiring diagram supplied with the appliance, to prevent all risks.



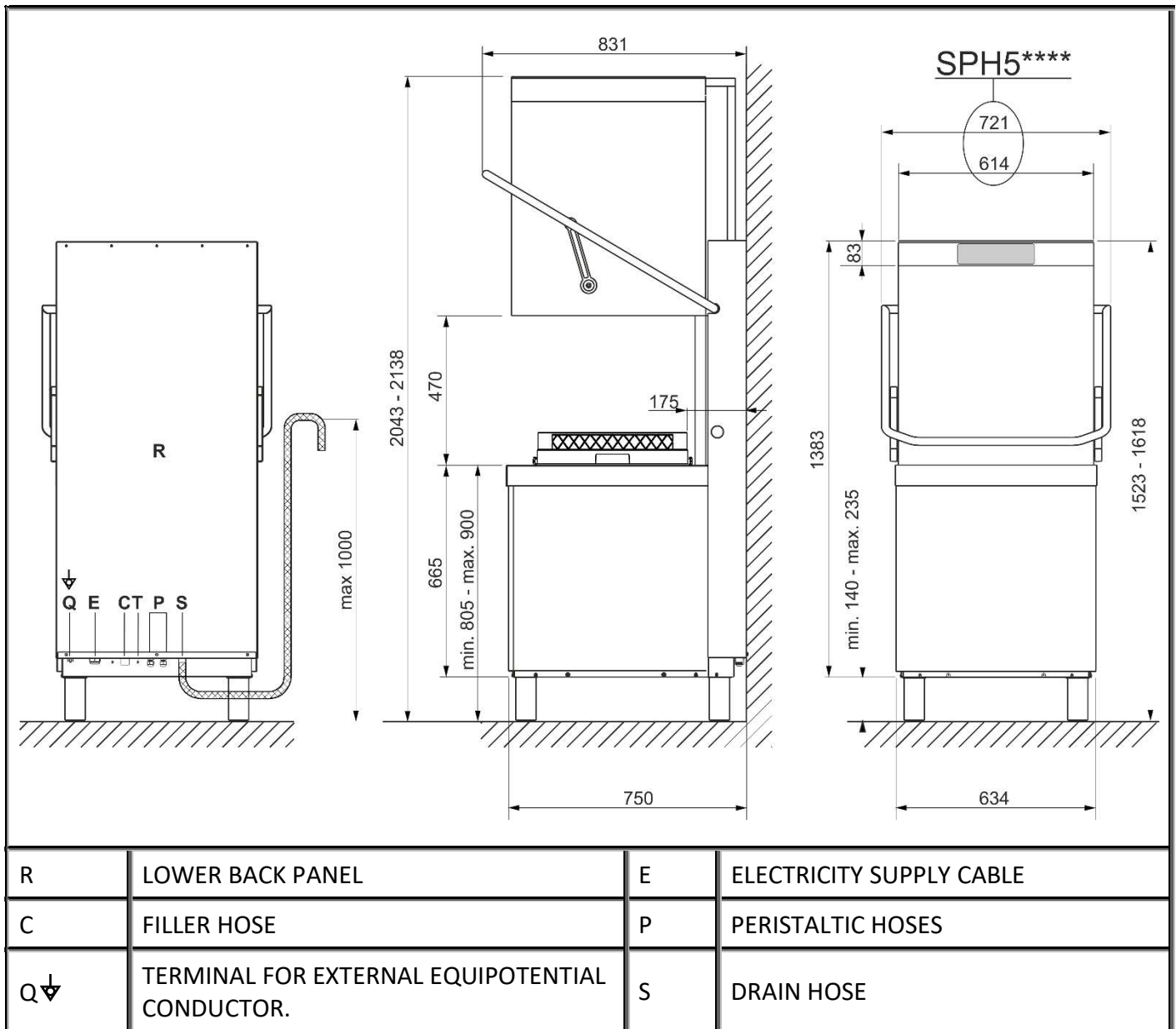


**IN CASE OF INTERVENTIONS WHICH REQUIRE THE HOOD TO BE COMPLETELY OPEN, IT IS NECESSARY TO BLOCK IT WITH A SCREWDRIVER INSERTED IN THE SPECIFIC HOLE, AS SHOWN IN THE PICTURES BELOW.**

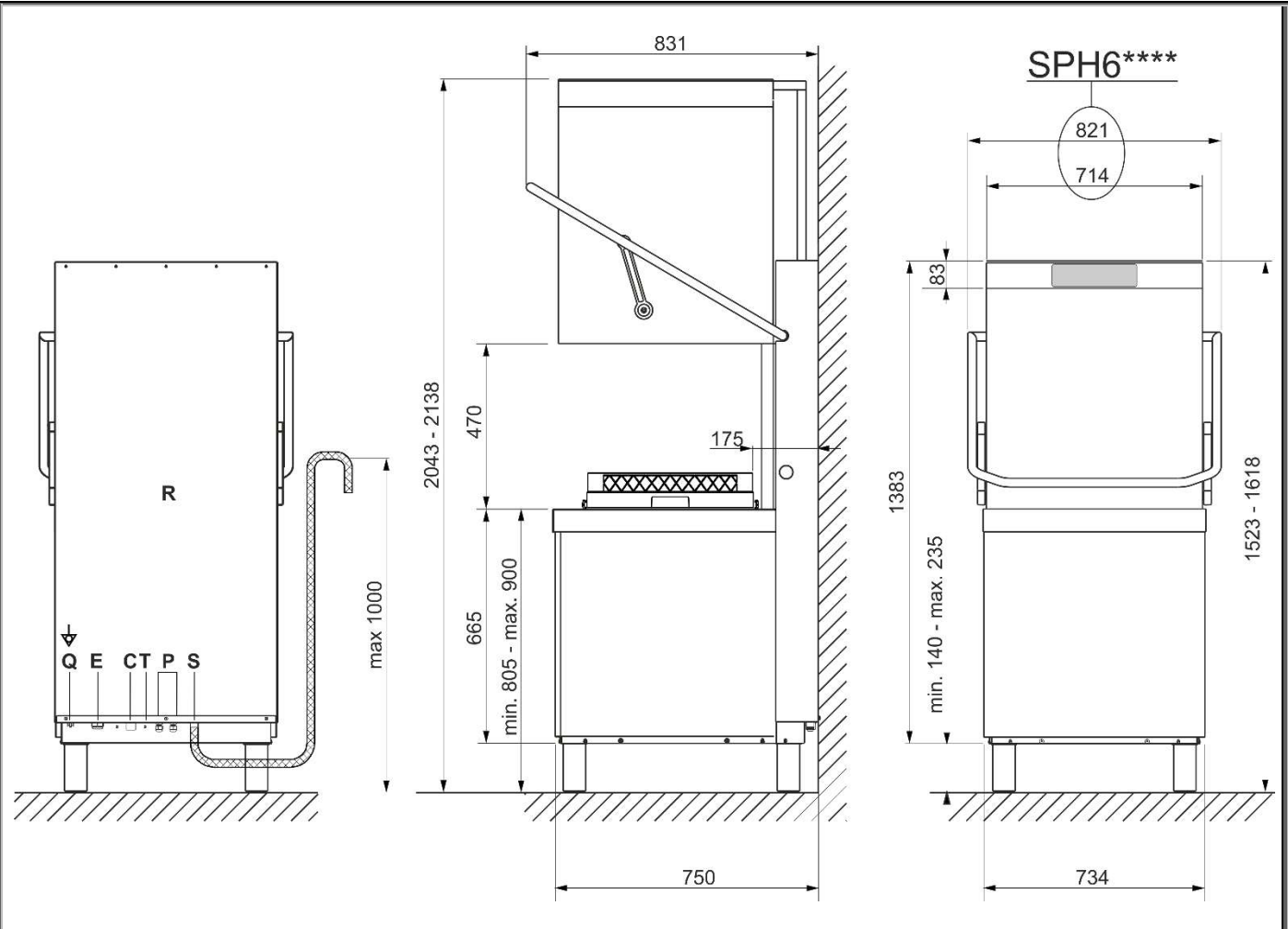


## 4 PRODUCT CHARACTERISTICS

### 4.1 Overall dimensions SP5...



4.2 Overall dimensions SP6...



R	LOWER BACK PANEL	E	ELECTRICITY SUPPLY CABLE
C	FILLER HOSE	P	PERISTALTIC HOSES
Q ↓	TERMINAL FOR EXTERNAL EQUIPOTENTIAL CONDUCTOR.	S	DRAIN HOSE

### 4.3 Technical characteristics

Electricity supply	See the data plate on the machine	
Inlet water temperature		
Minimum inlet water pressure		
Maximum inlet water pressure	1000 kPa	
Use	Indoors	
Max. working altitude	m	2000
The appliance is designed to operate at an ambient temperature of 10-25°C (occasionally up to 35°C).		
Relative humidity	80% for temperatures up to 25°C with a linear decrease up to 50% at a temperature of 35°C	
Inlet water hardness (models with water softener)	°f/°d/ppm	≤ 60/≤ 34/≤ 600
Inlet water hardness (models without water softener)	°f/°d/ppm	≤ 3/≤ 5/≤ 30
Inlet water flow rate (models with rinsing pump)	L/min	min 6
Inlet water flow rate (models without rinsing pump)	L/min	min 12
Inlet hose connection	-	threaded 3/4 "
Drain minimum diameter	mm	25
Drain height (above appliance installation surface)	mm	max 600
Rinse cycle water consumption	l.	2,5
Boiler capacity	l.	9,9
Tank capacity	l.	17
Noise level	LpA	< 60 dB(A)
Degree of protection	IPX	4
Net weight	kg	~ 105
Power supply cable type	◀HAR▶	H07RN-F

## 5 PREPARING THE APPLIANCE FOR USE

Convey the dishwasher to the installation site, remove the packaging and check the appliance and components for damage; any damage found must be reported to the transporter in writing. The packaging components (plastic bags, expanded polystyrene, nails, etc.) must not be left within reach of children and pets since they are potentially dangerous. All packaging materials used are environment-friendly. They can be kept without constituting any hazard or may be disposed of at a specialist waste disposal centre. The plastic components suitable for recycling are marked as follows:

PE - polyethylene: external packaging film, bag containing the instructions, protective bags.

PP - polypropylene: strapping for packaging.

Wooden and cardboard components can be disposed of in accordance with the local regulations.



All operations described in this section must be carried out and/or checked by the qualified staff who install and commission the dishwasher.

### 5.1 Positioning and installation

Place the dishwasher in the chosen point and remove the protective film. Level the dishwasher (with the aid of a spirit level) on its four feet, adjusting them to ensure that it is stable. If the dishwasher is installed above the ground, make sure that the stand and dishwasher are secured properly and do not constitute a hazard.



The systems and premises in which the dishwasher is installed must comply with the relevant regulations.



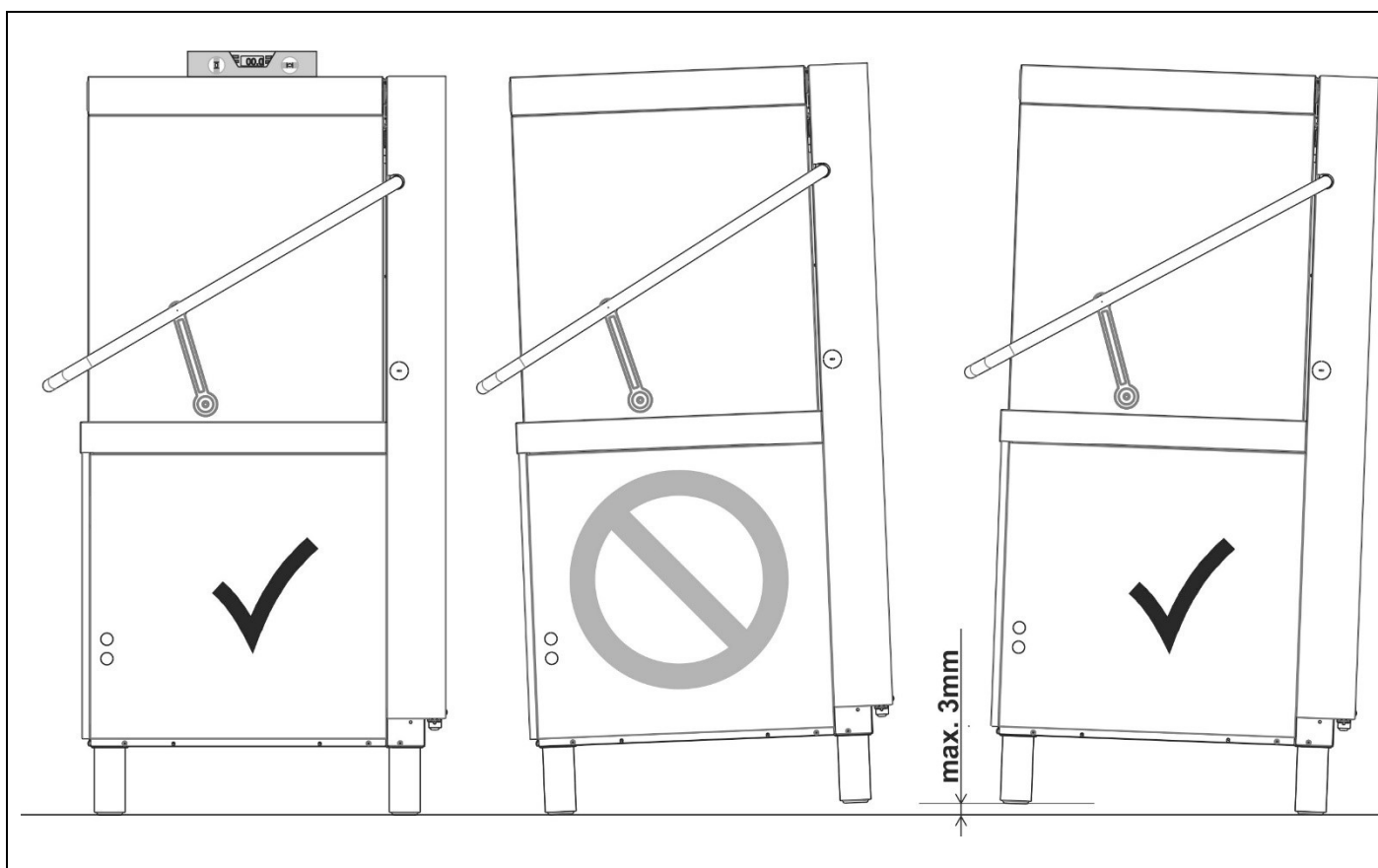
If the dishwasher is installed next to another appliance, also check the recommendations provided by the manufacturer of the adjacent appliance.



Installations other than those described must first be approved by the manufacturer.

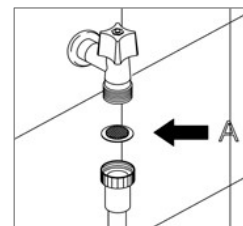


Use only professional furnishings and units in the vicinity of the dishwasher. Any other types of furniture may be damaged.



## 5.2 Connection to the water supply

Check that the inlet water pressure, flow rate and temperature are as specified in the dishwasher technical characteristics. If the dynamic pressure exceeds the limit stated in the technical characteristics, a pressure reducer must be installed. If the pressure is lower, it might be necessary to fit a special pump to ensure optimal performance. Connect the water inlet hose to a connector with  $\frac{3}{4}$ " gas threaded fitting, inserting the filter "A" provided. The tap must be easily accessible after installation of the appliance.



Only use new hoses for connection to the water supply. Old hoses or hoses salvaged from previous installations must not be used.



If the water supply system has not been used for a long time, or if work has been carried out on it, before connecting the appliance inlet hose, run the water to flush the air and dirt from the pipes.



To run the beer cycle, only present on some models (see programs table), a cold-water supply is required. This increases the washing times for all programs.

## 5.3 Drain connection

The dishwasher is fitted with a drain pump and can be used with floor or wall drains. Before connecting the hose, check that the diameter and height of the wall drain connection are as stated in the dishwasher's technical characteristics. When connecting the dishwasher drain hose, take care to avoid kinks, sharp bends or pinching. Since the drain water temperature can be very high, the end of the drain hose must be fixed to the drain hose using the clamps provided.



The drain connection must be made in accordance with the relevant national regulations. Substandard connections may cause flowback and in some cases pollution.



No extensions must be added to the drain hose supplied with the appliance. Any extensions might cause drainage problems.

## 5.4 Connection to the electricity supply

The dishwasher must be connected to the electrical system by authorised, skilled staff, in accordance with the relevant regulations. Also comply with the technical instructions for the connection provided with the appliance. The dishwasher's rated electrical characteristics are provided on its technical data plate. The dishwasher's power supply line must be fitted with an easily accessible, category II overvoltage protection circuit breaker and an overcurrent protection device (thermomagnetic switch or fuses). These devices must be dedicated to the dishwasher and must be suitable for its rated electrical characteristics. The electrical protection devices must undergo a functional test before the dishwasher is put into operation. If the dishwasher is connected to the electrical mains by means of a plug, it must be of the same type as the power socket, suitable for the rated electrical characteristics of the appliance and compliant with the relevant national regulations. The power plug must be easily accessible after installation.



Electrical safety is only ensured if the dishwasher is connected to an earth conductor compliant with the relevant electrical regulations. If in doubt, have the system inspected by a qualified electrician.



Do not connect the dishwasher to the electrical mains by means of adapters or extensions, since they may cause dangerous overheating.



Connect the appliance to the earthing system. The equipotential bonding terminal is located at the rear of the machine and is marked with the symbol ⚡.



Additional recommendation: class B all-current sensitive residual-current circuit breaker with a tripping current of 30 mA.



The dishwasher is always powered up unless the master switch is turned off or, on appliances with power plug, the plug is disconnected.



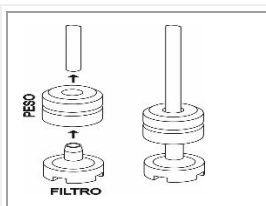
## 6 FIRST START-UP

### 6.1 First start-up

The electrical protection system must undergo a functional test before the appliance is put into operation. The appliance must be installed and/or inspected by qualified personnel, who will start it up for the first time and provide the relevant operating instructions.

### 6.2 Preparing for use (important)

Position the external detergent and rinse aid containers and insert the corresponding suction hoses on the rear of the appliance into them. Red hose: detergent Blue hose: rinse aid.



Before inserting the hoses into the containers, attach the weights (necessary to ensure that they always draw in liquid from the bottom of the containers) and the filters to their ends as shown.



**Whenever** the type of detergent or rinse aid **is changed**, it is **ESSENTIAL** to **flush the peristaltic pumps** by immersing the external suction tubes in water for a few cycles.

**Only** use **products specifically recommended** for use in professional dishwashers.

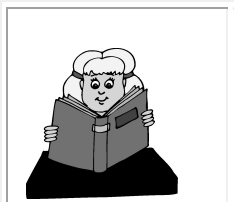
**Failure to comply** with this recommendation will **invalidate the warranty** on the appliance's water system.

Replacement of the **internal tube** of the detergent and rinse aid peristaltic pumps is **recommended every 12 months or 15,000 wash cycles**. This should be done by a service technician.

### 6.3 Using the water softener (models with water softener only)



The amount of lime in the water (which indicates its hardness) causes whitish marks on dry dishes, which also tend to lose its shine over time. The dishwasher is equipped with an automatic water softener which removes the substances that cause hardness from the water with the aid of regenerating salt.





The first time the dishwasher is used, a litre of water must be poured into the tank with the salt. Whenever the tank is filled, always take care to ensure that the cap is firmly closed. The mixture of water and detergent must not get into the salt tank, as this would impair operation of the regeneration system. In this case warranty cover will be forfeited.

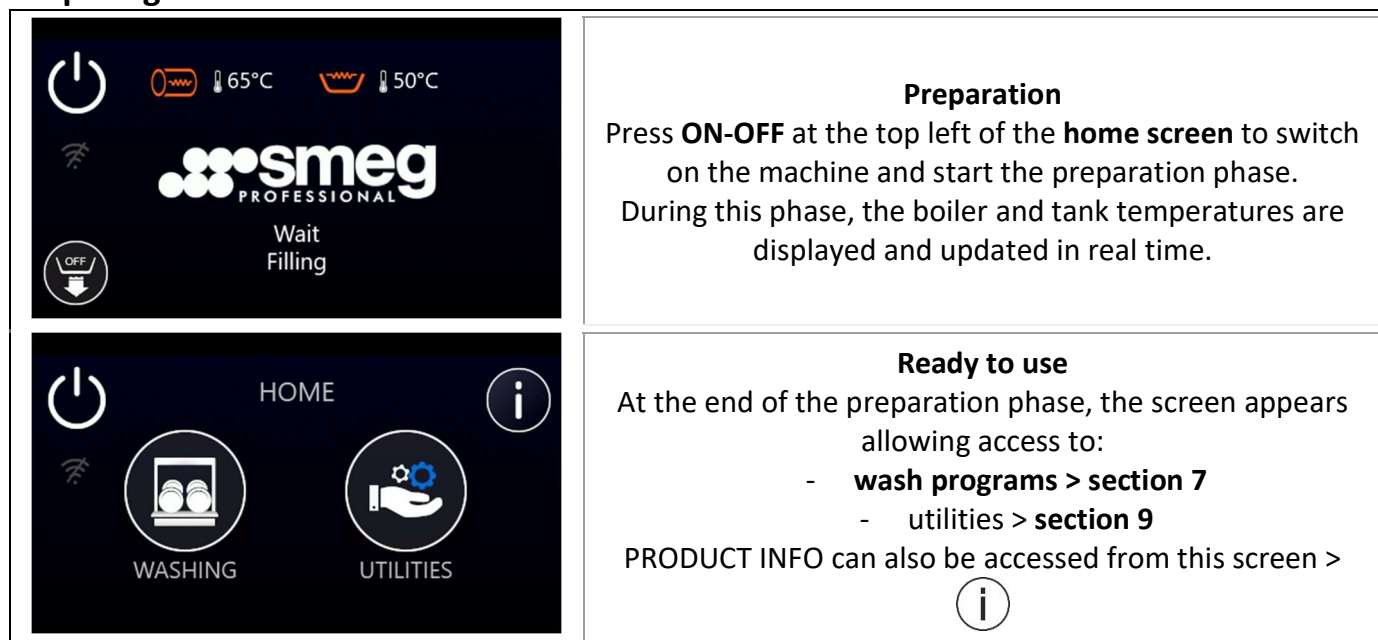
## 6.4 SWITCHING ON




From the HOME screen you can:

- Start preparing the machine 
- Access the PRODUCT INFO screen 
- Access the PROGRAMMED START UP screen

### Preparing the dishwasher for use



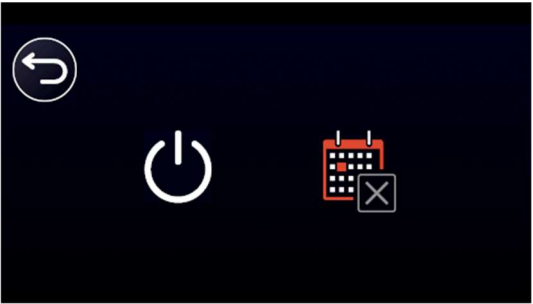
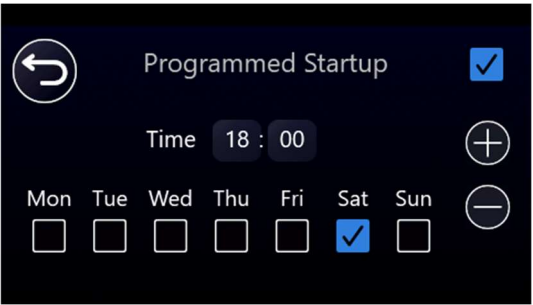


## Product info

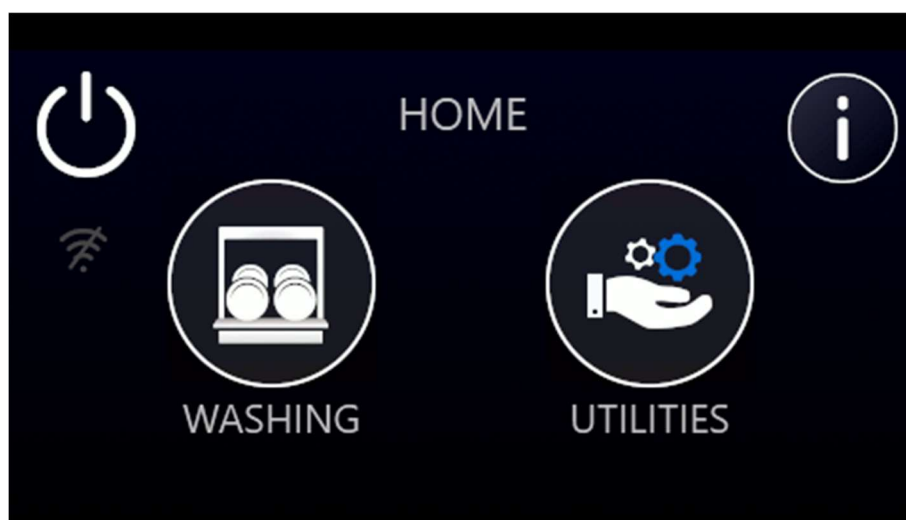
	<p>Screen from which you can view product information such as serial number, firmware and console version, consumption, usage statistics (total cycles and next service) and technical information (name and service contact if entered), detergent info, Wi-Fi network info. For some parameters, it is necessary to tap on the item to display the values (e.g. consumption).</p> <p><b>NOTE:</b> The firmware can only be updated via the USB port by authorised personnel</p>
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## Programmed start up ("calendar" icon)

"Programmed start up" screen can be accessed in two ways:

	<p>1 - From the HOME screen by pressing the calendar icon</p>
	<p>2 – From the HOME screen by pressing ON-OFF...</p>
	<p>then the calendar icon</p>
	<p>You can select the start date(s) and time(s) for the machine to start (intended as the start of the preparation phase). The programmed start must be confirmed by ticking the box at the top right of the screen. It is not possible to set different start times for several days.</p> <p><b>The machine must be powered.</b></p>

## 7 HOME SCREEN







### Legend of the icons that may appear on the screen


	HOME		PRODUCT INFO
	ON OFF		SETTINGS
	LOW SALT Note: When the <b>light is on</b> , it indicates a <b>low salt</b> level a <b>flashing light</b> indicates that the machine's <b>locking</b> system is active due to a lack of salt and that it is <b>necessary to refill in order to continue using</b> the machine. <b>It is not possible to start the wash cycle when the light is flashing.</b>		
	LOW RINSE AID		
	LOW DETERGENT		
	RETURN		
	CLEAN WATER OPTION		
	EXTRA RINSE OPTION		
	REGENERATION IN PROGRESS		
	DOOR OPEN		
	Wi-Fi CONNECTION STATUS		

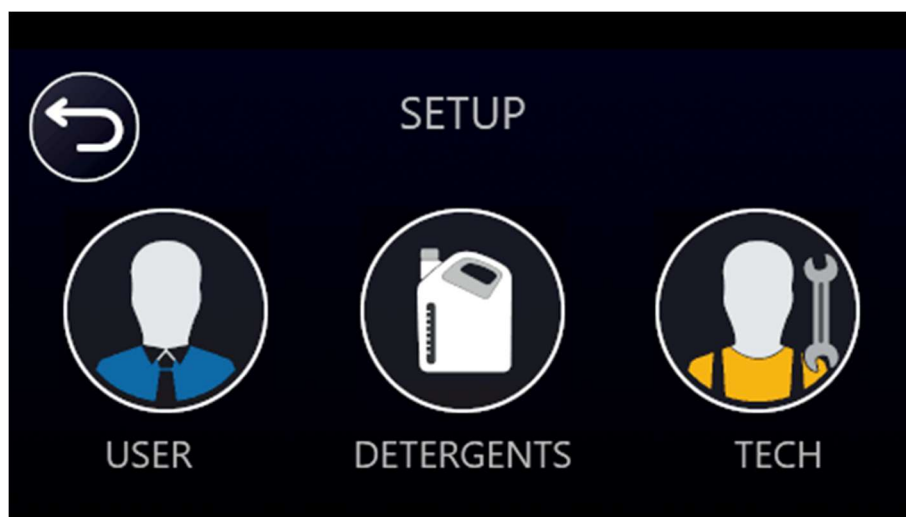
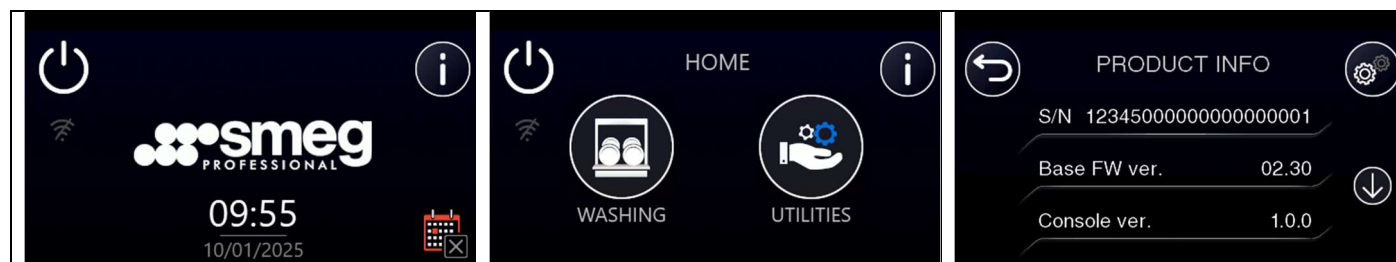
## 8 SETUP SCREEN

A password is required to access each submenu

The SETUP screen can be accessed in several ways:

- 1- From the HOME screen by pressing  then 
- 2- From the HOME screen by pressing  then 

From the HOME screen by pressing UTILITIES then 



From the SETUP screen, you can access

- **USER SETUP** 8.3
- **DETERGENT SETUP** 8.2
- **TECHNICAL SETUP** 8.1

## 8.1 TECHNICAL SETUP

**Note:** The technician password also allows access to the detergent and user settings

The parameters accessible from this area are of the "on/off" type or can be modified with  /  after selecting the value field to be modified. The parameters include:

### Product configuration:

Product type > 400 > 500 > Hood

Activations > Presence of WI-FI module, Presence of steam chiller, Presence of rinsing pump.

SW index

Programs table: see the attached document for the table selection

Dosing of additives > Dosing type: internal/external; flow rate setting (red tank = detergent, blue tank = rinse aid).

Heating > CHF (contemporary) > NCHF (non-contemporary); heating element power.

Water treatment > Built-in water softener > N.A. > External system > Built-in RO unit.



Wash pump > variable/standard speed

Alert management > maintenance notification:

- maintenance notification: allows you to activate a scheduled maintenance reminder after a set number of cycles.

Consumable cycles: allows you to activate a detergent and rinse aid level notification.



### Modify Programs:

Press the programs icon to modify: program name, program icon, parameters (select the field of the value to be modified and press  / , options visibility.

Press  to go to the next step even if no changes are made.

**NOTE:** The options can only be enabled, i.e. made visible and usable, via the Technical Setup and Detergent Setup menus. If they are disabled by default, the user will need to ask a technician to enable them at a later date.

**NOTE:**

- The "A0" program cannot be modified and does not allow the use of options
- The icon at the top right  of the program icon slider  indicates that one or more parameters have been changed from the default version.
- The wash cycles are designed to obtain the best performance in relation to the type of dirt and the type of dishes loaded (cups, plates, glasses, beer glasses, etc.). **Changing** any of the parameters **could affect the washing performance.**
- Modification of the Thermolabel program (indicated by TH) will **affect compliance with the corresponding hygiene test.**
- **To prevent possible foaming, the rinse aid dispenser is disabled if the rinse water temperature (boiler) is set below 60°C.**

**Diagnostic mode:** water filling/draining cycle, heating, pump control, miscellaneous

**Start regeneration**

**Water hardness:** from H0 (0-3 dH) to H6 (28-34 dH)

**Wi-Fi network configuration:** WI-FI registration, Automatic (wps) > Manual

**Units of measurement:**

Temperature (°C/°F)

Detergents – detergent dosing units (gr/litre - ml/litre)

Water hardness in German, French, English degrees and parts per million.

**Technician Info**

Contact name

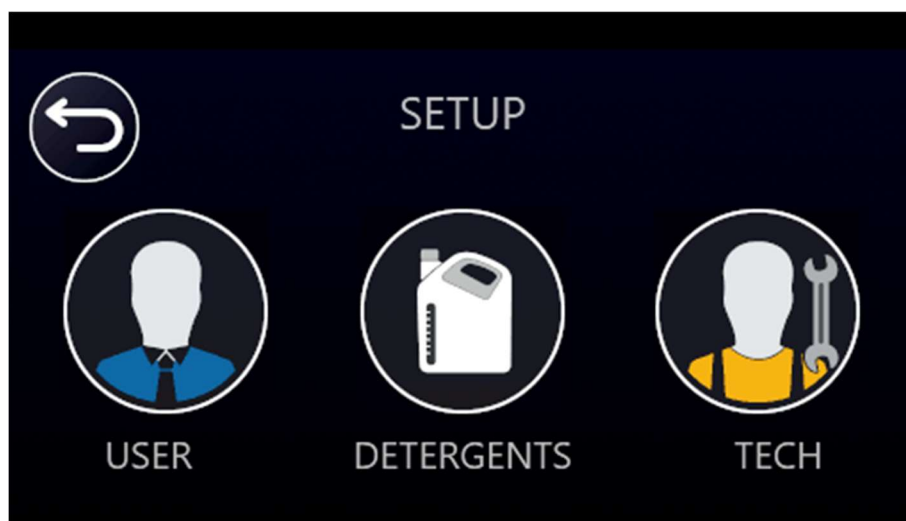
Phone No.

**Y/N:** Serial number

Debug info contains a range of information that the technician can consult about the life and operation of the machine.

Restore and reset.

## 8.2 DETERGENT SET-UP



**DETERGENT SET-UP** allows you to fill the detergent and rinse aid circuits, set some parameters and enter information about the detergent supplier.

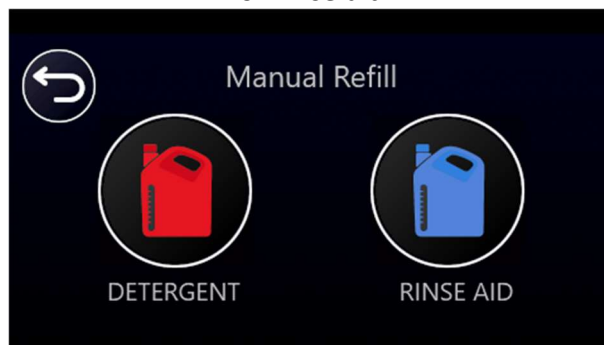
### Manual refill

Starting the peristaltic pumps - rapid filling of the detergent and rinse aid delivery circuit.

Press "**Manual Refill**" to access the next screen



from where you can start filling the detergent or rinse aid



During the filling process, the blue circular cursor shows the progress and flashes green when the filling is complete.

### Detergent supplier

Press to access the area where you can enter: supplier name, telephone contact, detergent/rinse aid name


### Units of measurement

Temperature (°C/°F)



Detergents – detergent dosing units (gr/litre - ml/litre)



## Detergent density

Select the value field and press  /  to change the data (in kg/litre).



### Modify Programs:

Press the programs icon to modify: program name, program icon, parameters (select the field of the value to be modified and press  / , options visibility.

Press  to go to the next step even if no changes are made.

**NOTE:** The options can only be enabled, i.e. made visible and usable, via the Technical Setup and Detergent Setup menus. If they are disabled by default, the user will need to ask a technician to enable them at a later date.

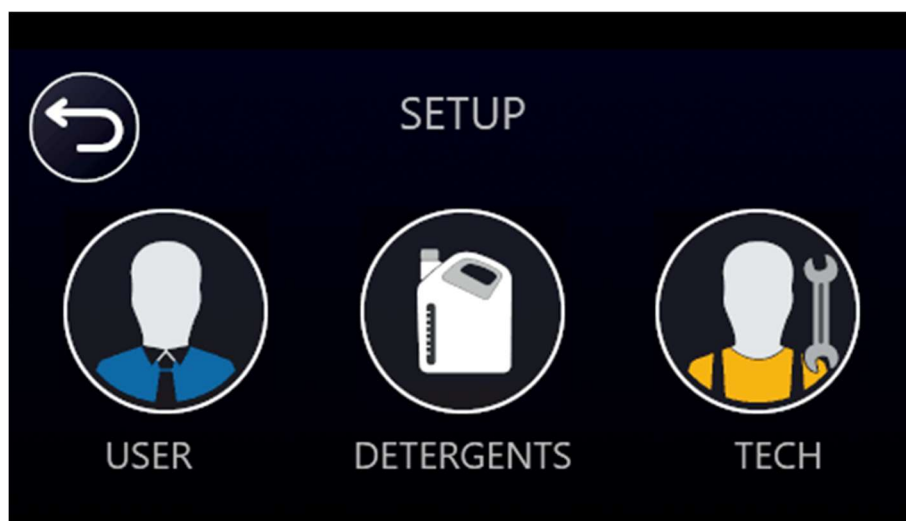
### NOTE:

- **The "A0" program cannot be modified and does not allow the use of options**
- **The icon at the top right  of the program icon slider  indicates that one or more parameters have been changed from the default version.**
- The wash cycles are designed to obtain the best performance in relation to the type of dirt and the type of dishes loaded (cups, plates, glasses, beer glasses, etc.). **Changing** any of the parameters **could affect the washing performance.**
- Modification of the Thermolabel program (indicated by TH) will **affect compliance with the corresponding hygiene test.**
- **To prevent possible foaming, the rinse aid dispenser is disabled if the rinse water temperature (boiler) is set below 60°C.**

## Consumables cycles

Allows you to activate the consumables notification and enter the number of cycles (between 10,000 and 20,000) that can be performed with full detergent/rinse aid compartments.


### 8.3 USER SETUP (password 2025)



The **USER SETUP** gives access to the following menus:

**Language** > select to access the list of available languages)

**Date and Time** > select to enter/edit the date and time. Only available in manual mode.

**Cycle visibility** > select to choose (by selecting or deselecting  ) which cycles of the program table you want to keep visible in the program list.

**Wi-Fi** >

Status; Remote control > Wi-Fi Network Configuration > Wi-Fi Registration, automatic/manual.

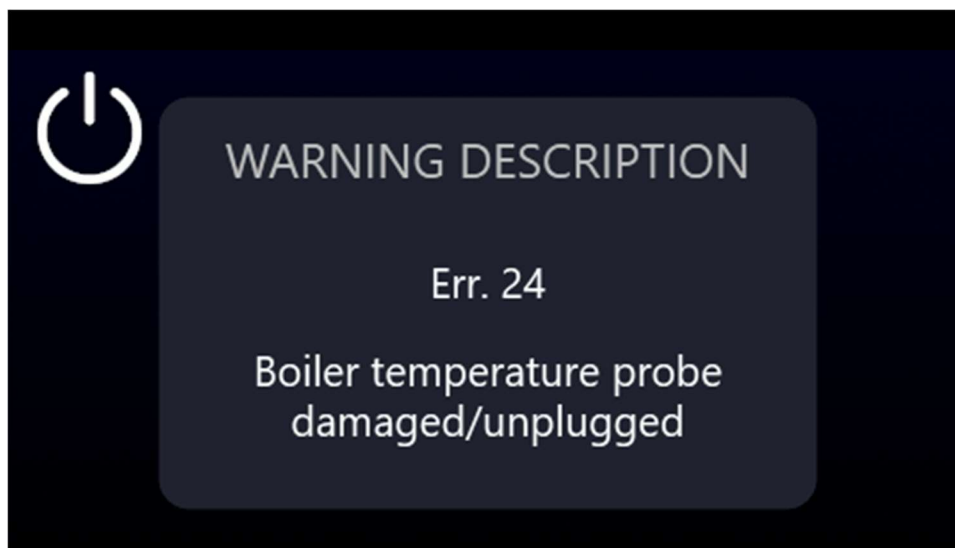
**Note:** If you choose the automatic procedure, you cannot cancel the operation; you must wait 2 minutes and the message Registration failed will appear.

If you choose the manual procedure, you can return to the previous screen at any time.

#### Product configuration

- *Standby* > enable standby and set activation time
  - *Activations* > select to enable/disable: Autostart – Boiler thermostop – Tank thermostop
- Disabling** the boiler thermostop will reduce the duration of the wash cycles but **may reduce the performance** of the machine.

## 9 MALFUNCTIONS SHOWN ON THE DISPLAY (FOR THE TECHNICIAN)



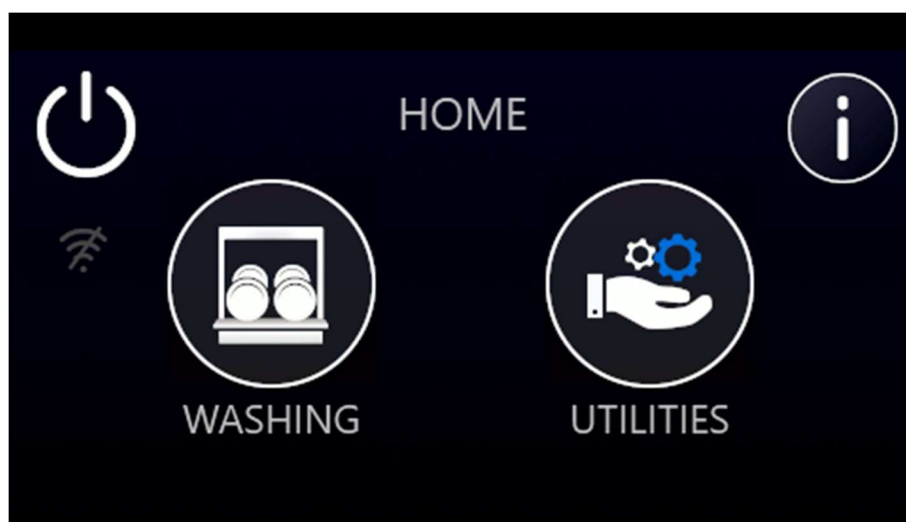
The dishwasher can indicate a number of faults, which are highlighted and described on the display.

Error code	Message	Time-out	Functional description	Possible causes	Other components that may be malfunctioning	Context in which alarm is active	Indirect causes
01	Aquastop device fault	180 seconds	The current cycle is interrupted 2 seconds before the alarm if the aquastop contact remains open beyond the continuous time-out.	Connector disconnected, device missing (bridge missing), float failure, or water in the water tray due to leaks.	----	Always when the machine is running (not switched off)	---
04	Temperature Probe Tank faulty / disconnected	15 seconds	If the temperature is continuously 0° or greater or equal to 110° for the time-out period	If temperature =0° probe disconnected or faulty, if temperature is above 110° probe short-circuited, electronic board input fault, probe fault, wiring connector problems	---		---
05	Tank water filling fault	7 minutes when filling by overflow, 15 RP (rinse pump) transfers when filling.	During FILLING, the machine makes a maximum of 15 transfers to the tank to reach a full tank, during washing (with the program started), if the tank is not full, it makes a 7 minute overflow fill to the max. level.	Tap closed, no system water, flow rate too low, tank level pressure switch fault, EVF faulty, EVF disconnected, electronic board fault, connector or wiring fault, airgap fault, low rinse pump flow rate/partially clogged rinse nozzles (15 transfers are not enough)	Rinse pump if tripped during FILL.	During FILLING, during overflow filling with the cycle started.	Rinse pump.
06	Tank water drainage fault	300 seconds	At the end of the wash cycle, before rinsing, there is a timed drainage cycle. If the level is too high at the end of the rinse, the pump is switched on and the correct level must be reached within the time-out period. At the end of the wash before rinsing, the traditional pressure switch must switch to empty within the time-out period.	Drain pump fault, electronic board fault, wiring fault, level pressure switch fault, airgap fault.	---	At the end of the cycle, if it is necessary to adjust downwards due to overflow, at P0 tank emptying and in the case of total drainage. At the end of the wash phase, before rinsing, at P0 tank emptying, and at total drainage.	---
09	Tank level above safety level	90 seconds	If the pressure switch signal remains safe for the entire time-out period.	Pressure switch disconnected, water ingress from EVF, pressure switch fault, wiring fault.	---	Always when the machine is running (not switched OFF).	---

15	Inverter module overtemperature	T (temperature) > 97°C	The module reports its temperature via the serial port	Cooling fan blocked/not activated or HW fault.	---	Always with the door closed when signalled; if the door is open, the last data transmitted with the door closed is retained.	---
23	Boiler heating failure	150 seconds three phase	The alarm is triggered if the temperature has not risen by at least 2° with respect to the minimum temperature recorded during the time-out period; the alarm timer is reset even if the temperature drops (to compensate for the load requirements for tank overflow).	Boiler pressure switch fault, temperature probe fault, heating element fault, remote control unit fault, remote control unit control relay fault.	After the boiler pressure switch fault, if it always causes the heating elements to burn out.	Only active when the boiler is in the heating phase, not during the rinse aid dispensing phase, even if the heating elements are on, in which case it is timed and never exceeds one minute.	Leaks from the EVF loading valve, tank level fault which can cause repeated water ingress
		300 seconds single phase					
24	Boiler temperature probe faulty/disconnected	15 seconds	If temperature = 0° probe disconnected or faulty, if temperature is above 110° probe short-circuited, electronic board input fault, probe fault, wiring connector problems.	If temperature = 0° probe disconnected or faulty, if temperature is above 110° probe short-circuited, electronic board input fault, probe fault, wiring connector problems.	---	Always when the machine is running (not switched OFF).	---
25	Boiler water inlet fault	600 seconds	The boiler has not been filled within the time-out period.	Pressure switch, air trap, electronic board, wiring fault.	---	Always when the machine is ON, during the phases when the boiler must be full (not active when total drainage is set, even if not started).	---
26	Boiler water drainage fault	59 seconds for PRF400 and PRF500, 94 seconds for PRF CAP	The boiler pressure switch did not go to empty during the time-out	Faulty rinse pump, clogged rinse nozzles, faulty electronic board.	---	During the rinse/FILL phases.	---
27	Boiler level detection fault		The boiler pressure switch has not gone to empty, but the tank has gone to full.	Boiler pressure switch disconnected or faulty, board faulty (on boiler inlet).	---		---

## 10 HOME SCREEN WASHING and UTILITIES menu

At the end of the preparation phase, the following screen will appear.



### Legend of the icons that may appear on the screen

	HOME		PRODUCT INFO
	ON OFF		SETTINGS
	LOW SALT Note: When the <b>light is on</b> , it indicates a <b>low salt</b> level a <b>flashing light</b> indicates that the machine's <b>locking</b> system is active due to a lack of salt and that it is <b>necessary to refill in order to continue using</b> the machine. <b>It is not possible to start the wash cycle when the light is flashing.</b>		
	LOW RINSE AID		
	LOW DETERGENT		
	RETURN		
	CLEAN WATER OPTION		
	EXTRA RINSE OPTION		
	REGENERATION IN PROGRESS		
	DOOR OPEN		
	Wi-Fi CONNECTION STATUS		

## 10.1 Before washing

The instructions cover both "undercounter" and hood-type dishwashers, so some sections of the manual may describe procedures for one or the other type, depending on the model you have purchased (e.g. open the door/lift the hood etc.).

	<p>Use only detergents and rinse aids for industrial dishwashers. Do not use detergents intended for hand washing. We recommend the use of Smeg products, specially developed for this dishwasher.</p>
	<p>When topping up the tanks, take care not to swap the products; this might damage the dishwasher and cause malfunctions.</p>

Do not mix different detergents; this would damage the dispenser device. **Failure to comply** with this recommendation will **invalidate the warranty** on the appliance's water system.

Industrial dishwasher detergents may cause serious irritation. Comply carefully with the instructions provided by the detergent producer on the pack.

### Check:


Turn on the mains water tap (user)	That the filters are in place, the spray arms rotate, and there are no foreign bodies in the dishwasher.	Switch on the master switch (user): the decimal points of both digits appear on the display.

### Check:

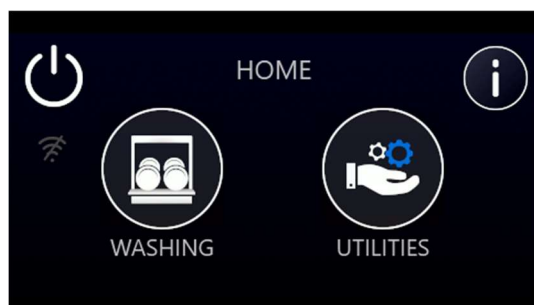
The level of detergent and rinse aid in the containers. <b>NOTE:</b> If the level probes (supplied as accessories) are installed, the lack of detergent/rinse aid is indicated on the display by the * / symbols.	That there is regenerating salt in the relative container (if fitted). <b>NOTE:</b> The lack of regenerating salt is indicated on the display by the icon S.

## 10.2 Program selection

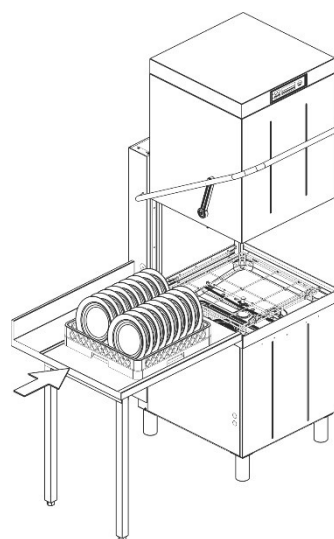
### Note:




- The wash cycles are designed to obtain the best performance in relation to the type of dirt and the type of dishes loaded (cups, plates, glasses, beer glasses, etc.). **Changing** any of the parameters (only by a qualified technician) **could adversely affect the washing performance**.
- The modification of a wash cycle with respect to the default parameters is indicated by the icon  on the cursor of the modified cycle icon.
- Modification of the Thermolabel program (indicated by TH) will **affect compliance with the corresponding hygiene test**.

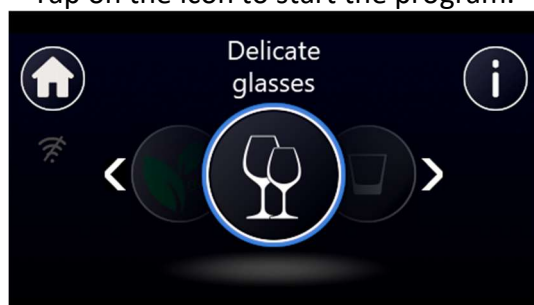
The HOME screen appears at the end of the preparation phase.




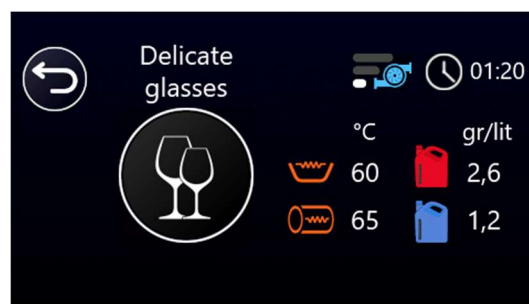
Load the dishes



TAP  to access the programs. At the bottom right, the available options (if active) are displayed, which can be selected  or left inactive . Tap on the icon to start the program.



The icon  at the top right allows you to view the details of the program. From this screen, you can also start the program by tapping the icon.

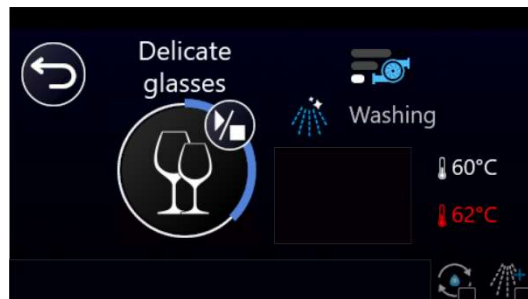


**NOTE:** The extra rinse and clean water options are not visible on the display by default. They need to be enabled by a qualified technician during installation or subsequently at the user's request.

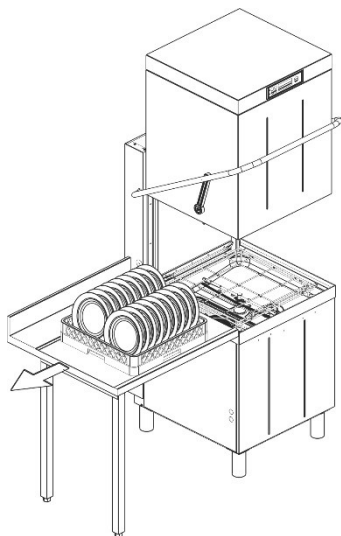
Example of a started program screen  
(the wash phase and the progress cursor are  
displayed around the icon)



The program can be paused and even restarted  
by tapping on the icon. If the program is paused,  
it can be cancelled by returning to the previous  
menu by pressing (↶)



At the end of the program, "Cycle end" and the  
cursor icon will flash. Simply press the same icon  
again to repeat the program.

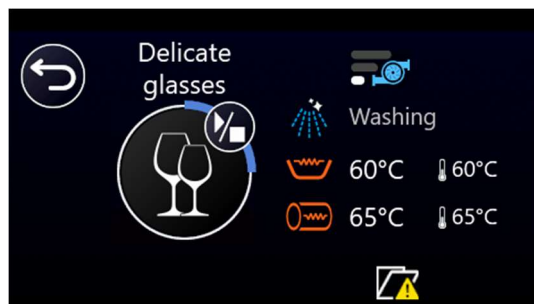


Unload the dishes.



## 10.3 Operating anomalies

### Open door.



If the door is opened while the cycle is running, the **program stops** and the following icon appears on the display.

When the door is closed, if **autostart** = **ON**, the cycle restarts immediately from the beginning.

If **autostart** = **off**, press the program icon to restart. The wash cycle

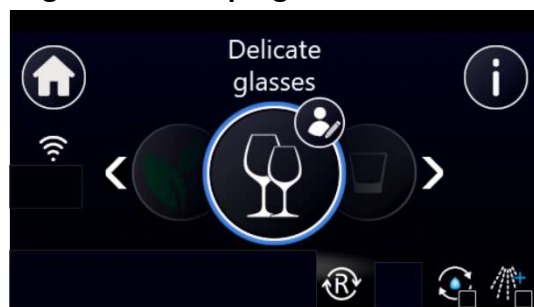
### Power failure.

In the event of a power failure during a wash cycle, the machine will return to the HOME screen when power is restored after the preparation phase.

### Missing or badly positioned filter

The icon indicates that the filter is missing, or it is not in the correct position. The filter must be fitted correctly to avoid damage to the pump and obtain good washing results.

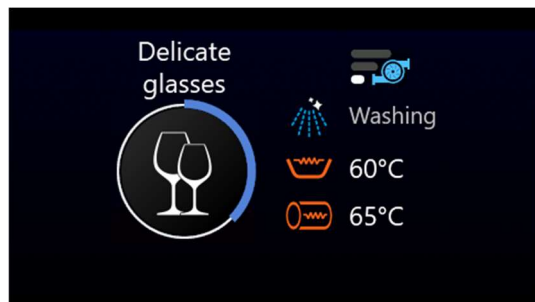
### Regeneration in progress



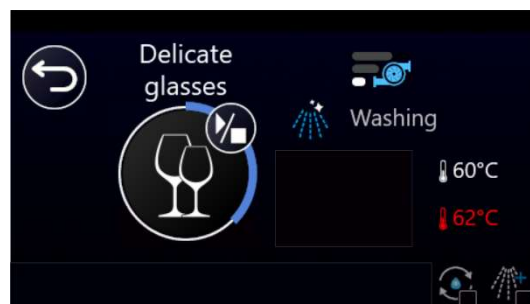
The icon 'R' indicates that the resin regeneration process is in progress. If a wash cycle is performed during this phase, the duration of the cycle itself could be longer.

## 10.4 Changing the program

Once the program is running, press the icon to pause it



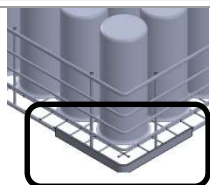
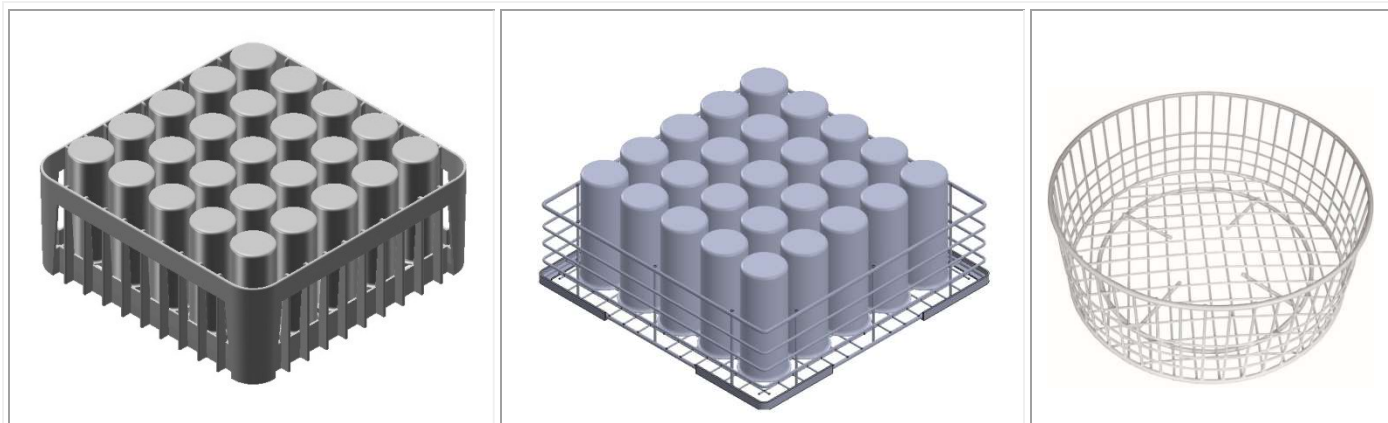
Press  to return to program selection



Press the icon of the new program to start the cycle.

## 11 BASKETS PROVIDED

The shape and material of the baskets provided with the dishwasher depend on the purchased model. Extra baskets can be purchased through the After-Sale Service. The following images are indicative.

**Note:**

It is recommended to use baskets that are intact and not damaged by wear or tampering. The plastic runners of the baskets, if present, must not be removed, damaged, modified or tampered with.

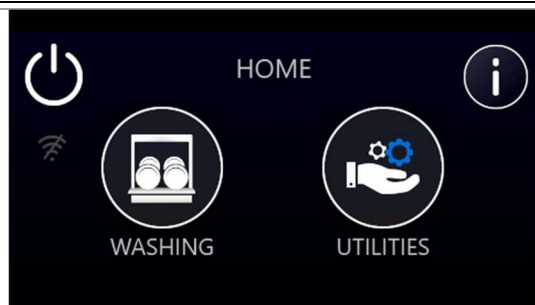
**Glasses:**

Place the glasses downwards.

**Cutlery**

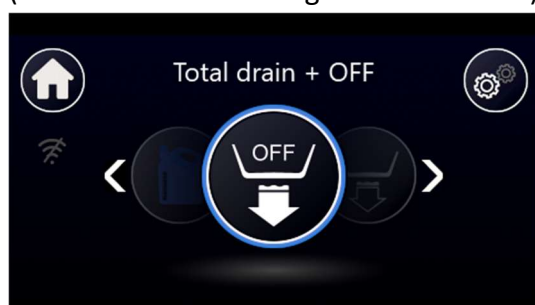
Use the dedicated basket. Place the cutlery randomly, preferably with the handle downwards, using caution to avoid injuries due to prongs of forks and blades of knives.

## 12 UTILITIES



From the HOME screen, press the UTILITIES icon to access

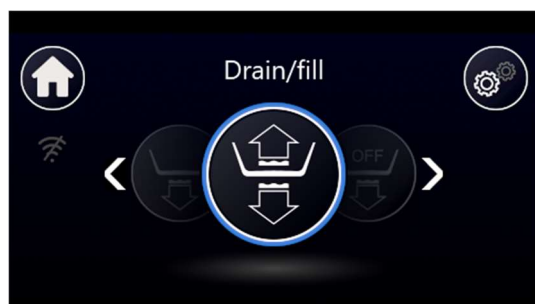
Total drain + OFF  
(tank and boiler drainage and shutdown)



Drain tank



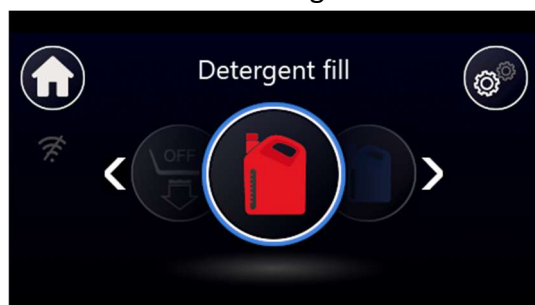
Drain tank + OFF  
(drain drainage only and shutdown)



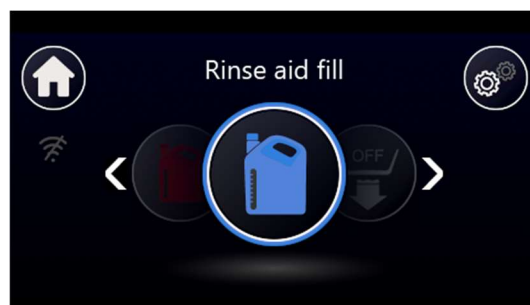
Total drain + LOAD  
(total tank + boiler drainage and new load)



Add detergent



Add rinse aid



**Never switch the dishwasher off with water in the tank; always pump out first.  
At the end of the working day, after pump-out, the filters should be cleaned.**

## 13 CLEANING AND MAINTENANCE

We recommend regular servicing by a SMEG authorised service centre at least once a year, to guarantee optimal performance at all times.

Consumables (e.g. peristaltic pump hoses) and/or parts subject to wear and tear must be replaced with genuine SMEG parts.

**N.B.:** the manufacturer accepts no liability for wilful damage or damage deriving from carelessness, neglect, failure to comply with instructions, regulations and standards or incorrect connections, which lead to forfeiture of warranty cover.



The dishwasher has **IPX4** protection, but the use of direct water jets for cleaning is **forbidden**.

Remove the filters (simply lift them out as shown here), taking care that no large residues fall into the sump underneath. Clean them to remove residues and rinse with plenty of water, then put them correctly back in place; do not use sharp or pointed tools.

Remove any limescale to prevent build-up.

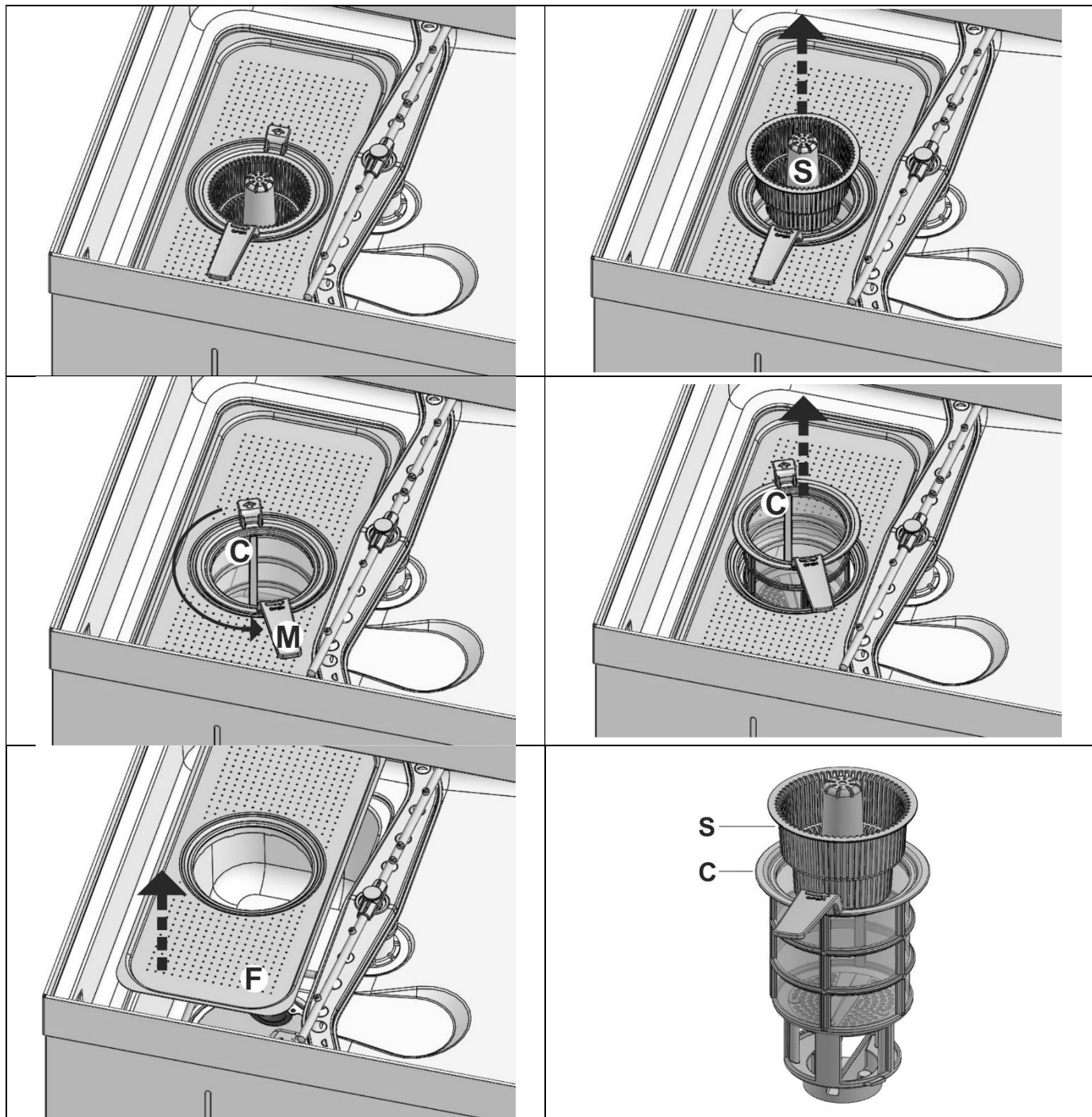
- If possible, leave the hood or door ajar when not in use;

Clean surfaces thoroughly and often with a damp cloth; use neutral, non-abrasive detergents which do not use chlorine compounds, which corrode and damage stainless steel.


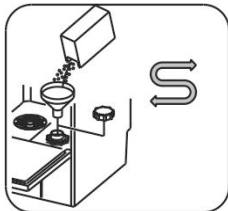
Do not use the products mentioned above even when cleaning the floor underneath or in the vicinity of the dishwasher, to ensure that fumes or drops cannot damage the steel surfaces.

### 13.1 Daily filter cleaning

1. Lift the upper filter "S" to remove it
2. Turn the handle "M" anti-clockwise in order to release the central filter "C"
3. Lift the filter "C", which will also release the filter (rectangular) "F"



### 13.2 Topping up regenerating salt (for models with water softener)

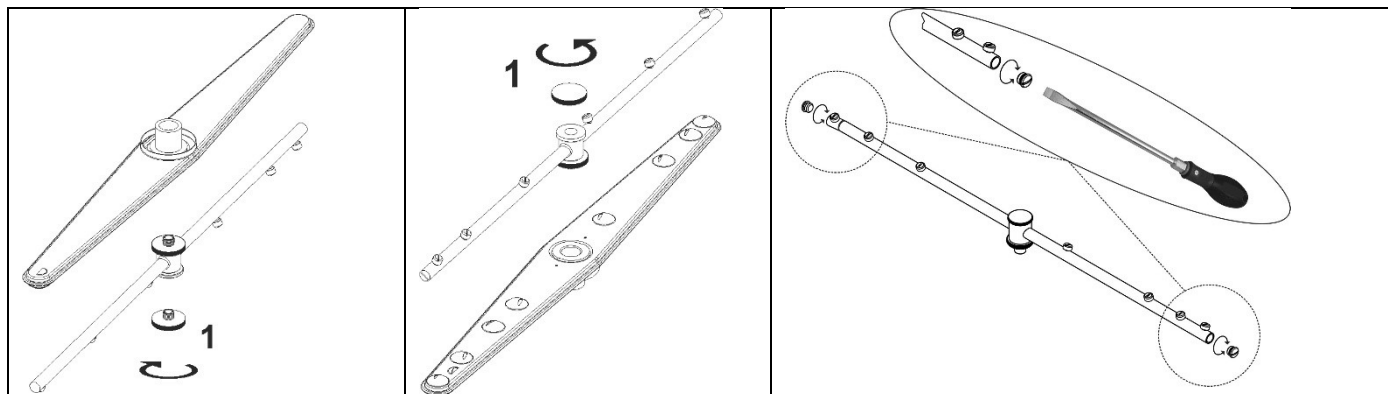
	<p><b>Warning: only use salt for dishwashers, do not use common salt or table salt.</b> Salt must be replenished when the LED under the symbol shown on the left lights up. The salt container has a capacity of about <b>1 kg of granulated salt</b>.</p> <p><b>Correct procedure to refill the regenerating salt:</b></p> <ul style="list-style-type: none"> <li>- start a <b>drain tank</b>,</li> <li>- <b>refill the</b> regenerating salt,</li> <li>- <b>fill</b> the tank (FILL)</li> <li>- restart the <b>drain tank</b></li> <li>- remove any salt residues from the bottom of the tank, as it may cause corrosion/rust.</li> </ul> <p>This procedure <b>prevents</b> the washing water to enter the salt container (possible damage to the water softener) and that possible residues of salt are left in the tank (risk of corrosion/rust).</p>	
---	---	---

### 13.3 Routine inspection of the spray arms (once a week)

Remove the washing and rinsing spray arms (upper and lower) as shown in the figures:

- unscrew the central ring nut 1:
- unscrew the plugs at the ends; do not unscrew the nozzles;
- clean the spray arms under clean running water;
- reinstall the spray arms.

**Do not use tools or any objects that could cause damage.**



### 13.4 Lengthy periods of disuse

If the dishwasher is not to be used for a long period of time, **the detergent and rinse aid dispensers must be emptied to prevent crystallisation and damage to the pumps:** remove the suction hoses from the detergent and rinse aid containers and place them in a container of clean water, then run a few wash cycles and drain completely (tank + boiler). Finally, turn off the main switch, close the water inlet valve and leave the hood ajar until the interior is completely dry. The detergent and rinse aid inlet hoses must be put back into the containers when the dishwasher is returned to service. **Take care not to swap them over** (red hose = detergent, blue hose = rinse aid).

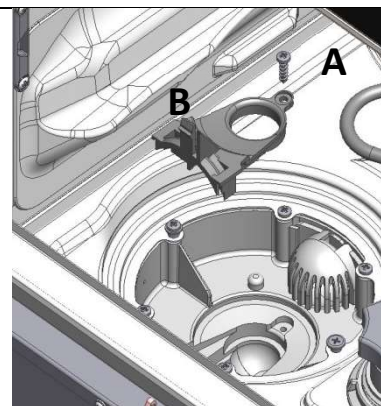
## 14 TROUBLESHOOTING

After the machine has been switched off and restarted, if the problem is not solved, follow the steps below:

If the drain pump is not working properly, follow the steps below:  
Drain the dishwasher using a container and disconnect the power supply.

Remove screw **A**, release tab **B** and lift it upwards.

Make sure that the covered drain pump impeller can rotate freely, and that there are no dirt residues, limestone, or pieces of glass. Do not use tools, screwdrivers, scissors, etc.



PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
THE DISPLAY DOES NOT SWITCH ON	line voltage failure	Verify electricity connection.
POOR WASHING RESULTS	Clogged or crusted spray arms holes.	Dismount and clean the spray arms (Periodical checks)
	Clogged filter	Read "cleaning the filters during the day"
	Insufficient or incorrect detergent or rinse aid.	Verify detergent type and quantity.
	Failing or insufficient use of detergent or rinse aid: the detergent or rinse aid cannot be withdrawn from the dedicated containers.	Worn or broken internal tube for detergent or rinse aid of the peristaltic pump, to be replaced by the After-Sales Service. <b>This ordinary maintenance service is recommended at least once a year for the correct functioning of the dispensers.</b>
	Badly positioned dishes / glasses.	Place dishes / glasses correctly.
	Low washing temperature	Verify the temperature displayed, if it is inferior to 50°C contact customer Support.
	Improper set cycle	Increase the duration of the washing cycle, especially if the load is very dirty or partially dried.
	Clogged spray nozzles Boiler incrustated with limescale	- Check that the nozzles are clean and that the water softener, if fitted, is working properly.



		- Verify that the filter of the tube placed inside the rinse aid jerrycan is not clogged.
INSUFFICIENT RINSE	Inappropriate rinse aid, or it is not dispensed correctly. Low rinsing temperature	Verify the rinse aid container and if it is adequate to the type of mains water. Verify the boiler set temperature Restore the Thermostop ON and/or connect the machine to hot water. If the problem persists, contact the After-Sales Service
INSUFFICIENT DRYING	Inappropriate rinse aid, or it is not dispensed correctly. Water hardness superior to 12°dF or it contains many dissolved salts.	Verify the rinse aid container and if it is adequate to the type of mains water. If the problem persists, contact the After-Sales Service
STAINED GLASSES AND CUTLERY	Rinse aid not suitable or not dispensed correctly. Water hardness above 12°dF or high levels of dissolved salts.	Check whether the rinse aid is being dispensed correctly, and whether the dosage is appropriate for the mains water hardness.
WATER LEFT IN THE TANK AFTER PUMP-OUT.	Drain hose badly positioned or partially clogged.	Verify that the tube and drainage are not clogged and that the drainage is not positioned too high; see connection scheme.

## 15 MALFUNCTIONS SHOWN ON THE DISPLAY (FOR THE USER)

The dishwasher can show a series of malfunctions on display.

After switching off and restarting the machine, follow the steps below:

**(IF THE PROBLEM PERSISTS, MAKE A NOTE OF THE ERROR BEFORE CALLING THE AFTER SALES SERVICE)**

01	Aquastop device fault	Contact After-sales Service
04	Tank temperature probe faulty/disconnected	
05	Tank water filling fault	Check that the water supply tap is open and that the inlet water filter is clean.
06	Tank water drainage fault (water remains in the dishwasher)	Check that the filters are clean, and that the drain hose is not bent, obstructed, narrowed. Check that the drain pump is not blocked.
09	Tank level above safety level	Contact After-sales Service
15	Inverter module overtemperature	
23	Boiler heating failure	
24	Boiler temperature probe faulty/disconnected	
25	Boiler water inlet fault	Check that the water supply tap is open and that the inlet water filter is clean.
26	Boiler water drainage fault	Check that the rinse arm nozzles are not clogged
27	Boiler level detection fault	Contact After-sales Service

