

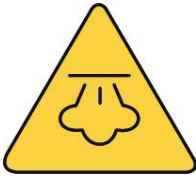







## UNDERSTANDING THE SYMBOLS ON THE APPLIANCE

Before using this appliance, read and comply with these user instructions.

Keep these instructions for consultation when required and provide them with the appliance if passed on the subsequent owners. Before using the appliance for the first time, you must read the safety regulations given in this manual.

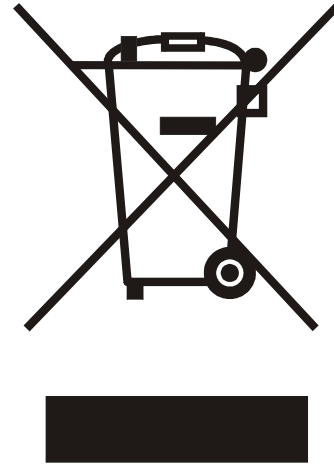
Any damage caused during transportation must be promptly notified to your retailer.

 <p><b>Warning!</b> Steam.... Danger of scalding</p>	 <p><b>Warning!</b></p>	 <p><b>Do no direct the steam jet against people, animals, electrical devices under tension or the unit itself</b></p>
 <p><b>Read the operator manual</b></p>	 <p><b>Danger of scalding!!</b> <b>Wear protective gloves.</b></p>	 <p><b>Equipment with sound pressure level &gt; 85 db</b> <b>It is compulsory to use ears protective shrouds.</b></p>

## ENVIRONMENTAL PROTECTION



**All packaging is recyclable. The packaging must not be disposed of in the household waste, but must be delivered to an authorised collection centre**



**Decommissioned appliances contain precious recyclable materials and should therefore be delivered to a collection centre. Electrical and electronic appliances, batteries, oil and similar substances must not be released into the environment. Please dispose of these using appropriate separated waste collection systems.**








**Substances such as engine oil, diesel, petrol or other fuels must not be released into the environment. Protect the soil, dispose of used oil in compliance with environmental laws.**















The user may return the appliance for disposal to the retailer when purchasing a new equivalent appliance, on a one-to-one basis.

## SUMMARY

- 1 SAFETY REGULATIONS
- 2 CONNECTION TO THE MAINS WATER SUPPLY
- 3 TECHNICAL FEATURES
- 4 NOMENCLATURE
- 5 USER INSTRUCTIONS
- 6 MAINTENANCE
- 7 BEFORE CONTACTING THE TECHNICAL ASSISTENCE
- 8 DECLARATION OF CONFORMITY

### 1 SAFETY REGULATIONS



-  **SAFETY VALVE** This appliance is fitted with two safety valves designed to ensure the safety of the appliance if any other primary control elements were inefficient (due to a fault). Due to the extreme importance of these components and to avoid compromising the safety of the appliance, they must be replaced (by an authorised technical assistance centre) every 2 years from the date of purchase.
-  **PRESSURE SWITCH** This appliance uses a pressure switch to control and maintain the pressure at the set levels (see “rated pressure” on the technical label on the appliance); if steam leaks from the lower part of the appliance, it means that operation is compromised and the safety valve has cut in to limit the pressure inside the boiler. **Do not use the appliance, switch the power supply off immediately and call the technical assistance.**
-  **DISCHARGE OF BOILER SLUDGE (DRAINAGE)** The appliance automatically signals the need to drain the sludge on the display; in this case the wording C A L C will flash alternately with the current screen displayed.
-  Do not open or remove parts of the machine for any reason, if the appliance has an operating fault or malfunction, remove the power plug and contact an authorised technical assistance centre or the store where the appliance was purchased.
-  The appliance must be connected to the mains power by a qualified electrician and must conform to the contents of IEC 60364-1.  
If the power cable is damaged, it must be replaced by the manufacturer or a technical assistance centre, or in any case by a person with similar qualifications, in order to prevent all risks.
-  Make sure that the power supply to this appliance is fitted with a differential device which can cut off the power supply if the leakage current to earth exceeds 30 mA for 30 ms, or a device that can check the earth circuit.
-  **WARNING** Use a set of connectors, pipes and new seals every time the appliance is connected to the mains water supply

-  **WARNING** This machine was designed for use with a detergent supplied or recommended by the manufacturer. The use of other detergents or chemicals may compromise the safety of the operator and the machine.
-  **WARNING** Risk of explosion. Do not spray flammable liquids.
-  **WARNING** The employer shall perform a risk assessment in order to specify the necessary protective measures regarding aerosols, depending on the surface to be cleaned and its environment. Respiratory masks of class FFP2, an equivalent or higher are suitable for the protection against hydrous aerosols.
-  **WARNING** Do not use the machine if there are any persons standing within the radius of action.
-  **WARNING** High pressure jets can be hazardous if used improperly. Do not direct the jet towards persons, live electrical equipment or towards the appliance itself.
-  **WARNING** Do not direct the jet towards yourself or other persons to clean clothing or footwear.
-  **WARNING** Water that has passed through the backflow prevention devices is not potable.  
Disconnect the mains power by removing the plug from the power socket, before carrying out any maintenance.
-  **WARNING** This appliance is not intended for use by people (children included) with impaired physical, mental or sensory capacities or with insufficient experience and/or expertise, unless they are being supervised or instructed on the use of the appliance by a person responsible for their safety.  
Watch over any children to make sure that they do not play with the machine.
-  **WARNING** To ensure the safety of the appliance, use only original spare parts supplied or approved by the manufacturer.
-  **WARNING** The hoses, accessories and couplings are very important for the safety of the appliance. Use only hoses, accessories and couplings recommended by the manufacturer.
-  **WARNING** Do not use the appliance if the power cable or other important parts have been damaged, for example safety devices, high pressure hoses or trigger gun.
-  **WARNING** When using an extension cable, the plug and socket must be watertight
-  **WARNING** Inappropriate extension cables may be hazardous.  
The data concerning hand/arm vibrations are not mentioned for this appliance, as they are less than 2.5 m / s<sup>2</sup>.
-  **WARNING** The detergent injection on this appliance must not be used continuously, use only intermittently, 20 seconds ON 20 seconds OFF. Do not run the detergent function continuously for more than 2 minutes.

When using detergents (non-foaming for extraction machines), follow the specific instructions given on the original packaging: usually this is 1 litre of detergent for every 10 litres of water (detergent

percentage approximately 10 %), taking care to pour the detergent in first in order to obtain a better mixture.

**Take great care of the detergent used, as some that are available on the market, when heated to over 100° C, thus to a gaseous state, may produce highly toxic vapours. Check the technical data sheet of the product or consult your supplier.**

-  **WARNING** In the event of accidental contact with the detergent used, strictly follow the instructions given on the package and the relative safety data sheet.
-  Wear gloves when using the appliance.

## 2 CONNECTION TO THE MAINS WATER CONNECTION

The appliance must be connected to the mains water supply by qualified staff. Use a set of new pipes and couplings suited for use with foodstuffs, do not reuse the set (couplings, pipes, seals, adapters, etc.) for a new connection.

As the appliance is mobile, it is not supplied with a mains water connection pipe due to the variable position and the distance of the appliance to the water connection point.

### 2.1 Filter maintenance

Remove the filter inside the mains water coupling (2) by gripping the tab in the centre of the filter with a pair of pliers, then clean and replace.



### 3 TECHNICAL FEATURES

Model		10b asp	10b	6b asp	6b	6b bac
Code		3127A10 3H27A10 3107A1R 3H07A1R	3127010 3H27010 310701R 3H0701R	3127A60 3H27A60 3107A6R 3H07A6R	3127060 3H27060 310706R 3H0706R	30230B2
Rated Voltage	V	400 / 230				
Current type	Hz	50 / 60 3~				
Rated Power Boiler	kW	3,6				
Power vacuum	kW	1,2		1,2		
Max Rated Power	kW	3,75				
Rated Steam Pressure	kPa	1000		600		
	bar	10		6		
Permissible Steam Pressure	kPa	1200				
	bar	12				
Max. Steam Rated Flow	Kg / h	5,9				
Max temperature	°C	183		165		
Max. inlet water pressure	KPa	600				
	bar	6				
Kickback forces	N	< 20				
Vibration hand-arm	m / s <sup>2</sup>	< 2,5				
Sound pressure level L <sub>Pa</sub>	dB	98,7				
Sound power level L <sub>wa</sub>	dB	111,4				
Mass	kg	35				

4 PARTS

- |                                |   |
|--------------------------------|---|
| 1. Power cable                 | 8. Steam coupling                           |
| 2. Water mains connection      | 9. Water tank drainage cap                  |
| 3. Suction unit coupling       | 10. Boiler drainage cap                     |
| 4. Manoeuvring handle & basket | 11. Boiler drainage key                     |
| 5. Main switch                 | 12. Hose / system quick-fit connector       |
| 6. Water tank                  | 13. Electrical / water steam connector      |
| 7. Control panel               | 14. Medium Steamer Pro mixing unit (TD0021) |



## CONTROL PANEL



### Power ON indicator

Tells the user that the appliance is connected to the electricity supply.



### Steam in boiler

When it lights up, it means that the generator is running and that you can start work.



### Water light

Indicates that the water tank is empty, and is accompanied by an intermittent buzzer; when on, it is not possible to use the overheated water (optional) and no steam will be produced.



### Detergent light

Function not enabled.



### System ON

The electronic unit, the steam solenoid valves, the boiler recharge pump are all powered.



### Boiler ON

The appliance automatically recognises the Bacchus accessory inserted and activates the steam selection buttons on the control pad and the heating elements. If there is no water in the boiler the LED flashes and the heating elements will not come on until the liquid in the boiler reaches the set level, in which case the LED stops flashing and stays on.



### Mains water

Water being delivered from the mains water supply, the LED ON continuously indicates that the water inlet is open.



Steam activation buttons / indicators: minimum - medium - maximum.



Pressure / temperature display.



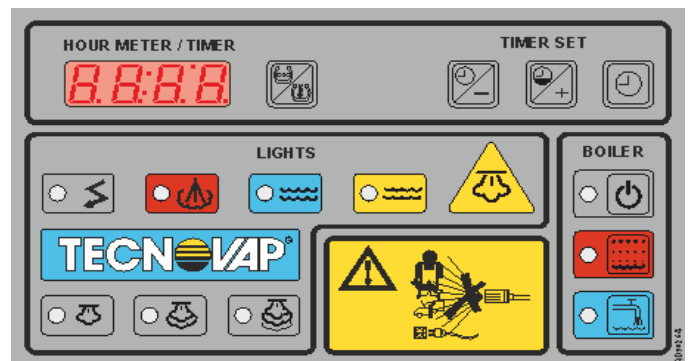
Shows the “total working hours” counter memory (C1) (hour counter / totaliser).



Shows the “partial hours” counter memory, this counter can be reset by the user.



Clock setup button (the time is shown only when the appliance is in stand-by).



## 5 USER INSTRUCTIONS

- (a) insert the manoeuvring handle (4) in the relative seat and secure in place with the relative fixing screw (4A).



- (b) Secure the suction unit bin onto the disc by acting on catches (17) and secure the head in place using catches (16).

- (c) Insert the plug (22) in the socket (3) and check that the switch (15) on the suction unit head is in the ON position.

- (d) Remove the caps from the tanks (6 and 7) and add water and detergent to the respective tanks, **water in the blue tank and detergent in the yellow tank. Take great care in this phase as incorrect filling** (detergent in the water tank and water in the detergent tank) **will cause a generator failure.**



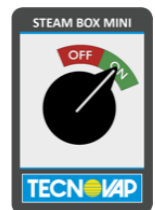
- (e) When using detergents (non-foaming for extraction machines), follow the specific instructions given on the original packaging: usually this is 1 litre of detergent for every 10 litres of water (detergent percentage approximately 10%), taking care to pour the detergent in first in order to obtain a better mixture.


**Take great care of the detergent used, as some that are available on the market, when heated to over 100°C, thus to a gaseous state, may produce highly toxic vapours. Check the technical data sheet of the product or consult your supplier.**

The detergent tank must be topped up only with detergent diluted with water but **not only with water**, unless this is demineralised.


Using only (non-demineralised) water instead of detergent will cause a failure in the mixing circuit.

- (f) Insert the plug (1) in the power socket, making sure that the voltage and amperage correspond to the values given on the machine data plate.





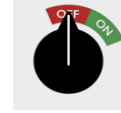
- (g) Switch on the appliance by turning the main switch to ON and press the buttons Stand-By and boiler 

- (h) The appliance is fitted with a system to protect against thermal shocks.

If there is no water in the boiler, the system automatically disables the power supply to the heating elements; this situation is indicated by the flashing LED on the “boiler” button . This system may also intervene following boiler filling operations, in this case it will last 30 seconds and is not to be considered an operating fault.

### Partial counter reset

Switch off the appliance using the main switch on the side of the electrical panel, press and hold down both buttons   and switch the appliance back on by turning the switch to ON; after the LED control release the buttons, the counter C2 is reset to 0000



### Clock settings

Switch off the appliance using the Stand-By button  (the main switch must remain ON.).



The display shows the time, to adjust the clock press  then use the -/+ buttons   to increase or decrease the time shown.

Notes: The timer has a buffer battery to maintain the clock settings in the memory, if the appliance is not powered for more than 30 days the timer is initialised and must be reset.

### Boiler cleaning signal C A L C




The controller was programmed to warn the user of the need for routine maintenance; the system is programmed to signal every 20 hours of effective work (steam solenoid valve on). Proceed as described in section 6.1 "Boiler Maintenance" to drain off liquids.

### C A L C signal reset

After maintenance by the user, hold down the button  and switch off the appliance using the button ; the C A L C signal will be reset.

### Detergent top-up




When the detergent in the tank runs out, proceed as follows:

- 1) Top up the detergent in the tank (6)
- 2) Switch on the appliance using only button , button  must remain switched off.
- 3) Activate the steam button (31 on July, Radames and Star), the detergent button (34 on July, Radames, Star and Geysler) and the steam delivery button (30 on July, Radames, Star and Geysler) located on the hand grip and then act on the  button on the control panel to activate the detergent pump. Hold this button down until detergent flows out of the accessory.
- 4) The detergent is now triggered, and the appliance is ready for use.


This function uses a lower boiler pressure and offers the possibility to programme appliance switching on / off (Stand-By) and includes a safety system to protect against excessive pressure on the system where work is carried out.

Insert the steam plug (60) in the generator socket (9) and turn the closing lever.

Connect the Garolla fitting (64) onto the system and then push the quick-fit female connector (61) onto the male connector (62) found on the Garolla fitting. Always use suitable protection against burns.





Activate the main switch (5) and the buttons    to produce steam.

The appliance automatically recognises the Bacchus accessory inserted and activates the steam selection buttons on the control pad.

Wait for the  indicator light to come on indicating the presence of steam in the boiler.




Use the relative buttons,  minimum steam  medium steam  maximum steam depending on how much steam you want




### Auto start-up programming

Turn off the appliance using the  button, press and hold the  button until the display starts flashing (approx. 7 seconds), using the   buttons set the required start time (press and hold the button to move up or down the clock times quickly).

The set time is saved and, if auto start-up is enabled, the system will start the appliance every day as programmed.

### Auto start-up enabling

Press in sequence the following buttons,   **releasing the first only after pressing the second.** The  button will start to flash and the outer segments will temporarily come on to indicate that the function has been activated. (Repeat the operation in sequence to deactivate it).

Using the    keys, select the quantity of steam you wish to use on start-up (the selected flow rate will be shown by the indicator light in the relative button).

The system will start the appliance at the previously set time and it will run for 2 hours, after which it will switch itself off.

Simply press any button within those two hours to deactivate the auto off system.

## 6 MAINTENANCE

### ***DISCONNECT THE POWER SUPPLY BEFORE CARRYING OUT ANY MAINTENANCE***

#### **⚠ WARNING DANGER OF SCALDING ⚠**

**The machine must only be cleaned when cold (generator switched off for at least 5 hours), in the following manner: (for this reason we advise you to perform maintenance at the start of the next use, provided that at least 5 hours have passed between one use and the next).**



The appliance is equipped with a maintenance warning system, which informs the user of the need to clean the boiler. The system is programmed to signal this condition after 50 effective working hours, the display will show "C A L C".

When this warning is displayed, the machine can in any case be used, completing the job started, then switch off the appliance at the main switch (5) and remove the power plug.

Place a suitably sized basin under the machine and remove the drainage cap (10) underneath, and wait for the boiler to be emptied completely.

Clean any dirt off the cap with running water, check that the seal on the bottom of the cap is in good condition and replace if necessary (contact your supplier for spare parts) and screw the cap back on the machine.






If the water used has a hardness of over 10 French degrees (depending on product use > 2 hours / day) water must be treated with special water softeners, these devices can reduce the calcium carbonate content of the water to below 4 French degrees to significantly improve the reliability of the steam generator. (For further details or to purchase a softener filter, please contact the manufacturer).

After cleaning, plug the power plug (1) back into the electrical socket and press the main switch (5) and buttons  . Remember to also activate the minimum steam button (31 on July, Radames and Star) on the hand grip by pressing the safety button (30 on July, Radames, Star and Geyser) to bleed out any air in the empty boiler. Wait for the recharge cycle to be completed (approximately 3 min.).

After completing boiler maintenance, proceed by following the instructions described in paragraph (h) of chapter 8.

It is advisable to completely empty the water tank (6) if the machine is to be left unused for a prolonged period of time.

## 7 BEFORE CONTACTING THE TECHNICAL ASSISTANCE CENTRE

FAULT	POSSIBLE CAUSE	REMEDY
The machine is not producing steam and suction isn't working.	The power may be off. Safety devices have cut in.	Check that the power socket (1) is correctly inserted, that the main switch (5) is on and that the buttons have been pressed  
The red "no water" light comes on. 	The water tank (6) is empty.	Add clean water to the water tank (6).
Steam does not come out.	A) Boiler not yet under pressure.  (light off). B) The steam button (31) is off. C) The safety button (30) has not been pressed.	A) Wait a few minutes. B) Activate the steam button (31). C) Press the safety button (30) to deliver steam.
Steam leaks out of the joints between the different accessories.	Check the wear on the O-ring seals.	Clean and lubricate the seals. If required, replace them with the spare parts supplied.
"ALL1" shown on the display.	Water filters blocked, incorrect power to the appliance, drainage cap missing.	Clean the water tank filter, check that the power voltage corresponds to the value indicated on the technical label. Replace the drainage cap.
"ALL2" shown on the display.	Temperature threshold exceeded, drainage cap missing, boiler under pressure after sludge draining.	Replace the drainage cap, bleed the air from the boiler using the steam switch on the steam gun supplied.
Flashing light 	Mains water protection on.	Check the coupling (2) pressure and water. Remove and clean the filter (3) inside the mains water coupling. (see section 2.1).
A few drops of water leak out from the accessories.	When starting work condensation forms due to the difference in temperature between the steam and the accessories.	After using for a few minutes the problem disappears. If it persists, clean the boiler.
Noise inside the generator	As it cools, after 6-7 hours the boiler creates an internal depression, which when switched back on causes vibrations.	Wait for the pressure to stabilise (2-3 minutes) and the noise stops.
The accessories don't fit perfectly.	The joints and snap-on couplings are dirty.	Clean and lubricate the joints on the accessories.