

C.P.A. S.R.L.

## USER GUIDE WHIRLPOOL BATHS SPA LINE

This document applies to SPA tubs of the SPA ITALIA series marketed starting from July 2012 with a model control panel SP1200



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## I. Introduction

C.P.A. srl thanks you for the preference given to our SPA ITALIA products and wishes you to enjoy a full of the relaxing and invigorating action of our pools.

The whirlpools of the SPA ITALIA line are designed to facilitate the operations of use by the end user as much as possible. The setting operations are entrusted entirely to the specialized installer when the tank is started up (for any further information, see the SP series control panel programming manual and the installation and start-up manual). The user is only asked to set the desired temperature and to choose which device to activate once immersed in the tank. Filtration takes place continuously throughout the day in order to keep the quality of the water in the tank high. The SP 800 and 1200 control panels allow easy programming of the quiet periods for deactivating the recirculation function in the periods in which it is necessary to minimize the acoustic contribution of the tank.

### Overview Control keypad



## II. Display LCD

The SP1200 Touch Pad has a large display consisting of four digits and two lines of text. The display typically shows three quantities:








1. the current temperature of the SPA
2. the clock (day of the week and time)
3. the (target) temperature value
- 4.

by default, the current pool temperature is displayed by means of a numerical figure and the lines of text are dedicated to the clock and the set temperature. This configuration can be changed by the user.

Each time a key is pressed the two lines of text will temporarily describe the state just selected. Likewise when the controller performs a task, the displayed text describes what is happening. Each of these messages and the associated function is described in the following sections.

## III. Main menu parameters

Below is the sequence of keys to be pressed to access the main menu and the related programming items:

	<p>Preme per visualizzare</p> 
	<p>Scorrere le voci del menu:</p> <ol style="list-style-type: none"> <li>1. SET TEMP</li> <li>2. USER TIMER</li> <li>3. CLOCK</li> <li>4. USER ALARM</li> <li>5. SLEEP TIMES</li> <li>6. MAINT TIMERS</li> <li>7. MISC OPTIONS</li> <li>8. ADV. OPTIONS</li> <li>9. LD. DEFAULTS</li> </ol>
	<p>Press to access the configuration submenu item</p>
	<p>Press to set the desired value</p>
	<p>Press to store the modified value</p>
	<p>Press to exit the menu</p>

### 1. Set Temp

To set the desired temperature

### 2. User Timer

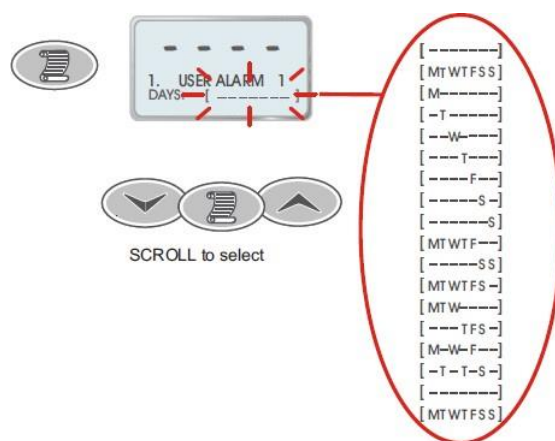
To set a timer with an acoustic reminder: useful for establishing a maximum time of use

### 3. Clock

To set the clock and the current day of the week

### 4. User Alarm

The SP1200 panel allows you to set up to 9 acoustic alarms by associating them with the day and time of the seventh.



## 5. Sleep Times

To set the rest period of the tank by day (various selectable combinations) and time: in the "Silence" period the tank will not perform any heating or filtration cycle. After each rest period, the SP1200 will operate each device for about 10 "in order to avoid water stagnation in the pipes. The display will show the message: "PURGING PUMPS, PLEASE WAIT".

Attention: if any key is pressed in the instants preceding the start of the Silence period, the start will be postponed by 30 minutes and the status LED will be orange: it will change to green at the end of 30 'signaling the effective start of the period of Silence.

## 6. Maint Timers

The SP1200 controller has 9 programmable maintenance timers that will remind you when to perform regular scheduled maintenance, such as cleaning cartridge filters. Each timer can be configured to expire after 1-255 weeks or be disabled completely. All 9 timers are disabled by default.

The first four timers have specific names for specific tasks, but the other five are generic. Your installer can choose to use one or more custom programs for routine maintenance, not covered by the generic timer.

## 7. Misc options

The Options menu contains parameters that allow you to customize the appearance of the touch panel on the edge of the pool. None of the options affect basic device control functions such as pump operation or heating.

## 8. Adv. Options




The advanced options menu contains settings that should only be changed after becoming familiar with the basic operation of the SP800 / 1200. The default settings are generally optimal and there is likely to be no need to change them. Please refer to the panel programming manual for details of the items contained.

## 9. Ld. Defaults

To restore the factory values.

## IV. Setting the displayed language

The information can be displayed in three different languages: English, German or French. To change the language:

- keep the Up button pressed for four seconds to display the selection menu.
- use the Up keys  and down  to select the desired language.
- press the Selector  to confirm the selection of the display language.

## V. Led indicator

**Auto/Water:** This LED is green when the automatic control is active and the double speed primary pump is operating in automatic mode, it is deactivated when the primary pump is in manual mode (manual hydromassage start-up by the user).



If the indicator flashes, it means that the sensor for the presence of water does not detect the water in the heater body: in this case the LCD display flashes "WATER PRIMING, PLEASE WAIT" ("PRIMING WATER, PLEASE WAIT").



**Heater:** This LED lights up when the heater is on. The heater turns on and off as required by the controller in conjunction with the circulation pump. The LED lights up red when the heating is at maximum power, and orange when the heater is set to minimum. In the minimum position, the electrical absorption is reduced to avoid overloading the network by keeping the heating power at a reasonable level.



**Silent:** This LED lights up whenever the controller is in a pre-established Silence period, this period is imposed by the user using a specific timer. When the controller is paused the LED is green, but the color of the LED will change to orange if woken manually.

During the silent state the LCD display will also show "Sleeping... .." press any key to reactivate the tub.

**Ozone:** This green status LED lights up every time the ozonator is turned on. The ozonator starts about 10 seconds after starting the circulation pump and switches off at the same time as the pump. The ozonator switches off automatically when any hydro button is pressed. The ozonator does not turn on until about 30 minutes have passed since the last button was pressed.





## 1. On-board devices

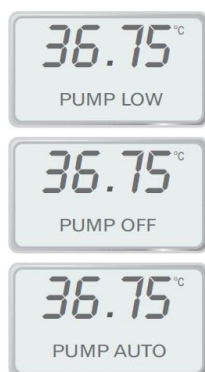
### Circulation / whirlpool pump

The double speed primary pump is responsible for the circulation of water through the roughing basket, the cartridge filter and the heater. The ozonator circuit is also associated with it. The operation of the same is by factory setting on 24 hours, but it is possible to intervene on the programming of the "silence" periods using the appropriate digital timer. This programming can be modified at will by the user (see SP1200 control panel user manual), however it is recommended that the installer be consulted before any modification in order to verify that the desired time programming does not affect the quality of the water: the hours of automatic filtration must be strictly correlated to the installation conditions (open / closed), desired water temperature in the tank, number of users and frequency of use and must not be less than a minimum of 3 hours per day.

The duration of the silence period is programmed at the time of start-up by the installer afterwards of the information provided by the user (see paragraph VII). By pressing the primary pump key in sequence:

	PUMP 1A	Operation mode change: Automatic, Manual On, Manual Off
	PUMP 1B	Speed variation

the display will show the following screens, indicating the type of operation of the double speed pump, i.e. low speed, high speed, automatic (filtration control by the micro controller):



Use the Manual On mode to force the pump to run continuously in low speed mode for treatments on in case of heavy use of the tank.

Use the Auto mode to allow the micro controller to manage pump operation in circulation mode in compliance with the factory programming parameters and the set shutdown periods (see par. VIII).

## 2. Hidromassage pumps



The whirlpools of the SPA ITALIA line are equipped with jets dedicated to hydro massage, the number of which varies according to the model chosen (see relative technical information sheet). To activate the pump (s), press the relative button (s) on the control panel on the edge of the tub: act in the same way to stop the pump (s).

	PUMP 2A	Power On / Off (if installed - See technical data sheet for the spa model in question).
	PUMP 2B	Power On / Off (if installed - See technical data sheet for the spa model in question).

This device (s) will automatically shut down after 25 minutes (factory default).

## 3. Blower

The air jets are operated by an air compressor (blower) that can be activated with the respective button on the keypad installed on the edge of the tub:

	Blower On / Off
--	-----------------

The blower, if not switched off, will still stop automatically after 25 minutes (factory default). The relaxing effect of the aroma therapy can be associated with the massaging effect of the blower, generated by a special vial with progressive adjustment (see paragraph VII) available in different fragrances (optional).

### WARNING

Do not use effervescent aromatic tablets or aromatic essences to be dissolved directly in the tub, unless specifically dedicated to use in SPA tubs: this could compromise the proper functioning of the tub by creating encrustations or blocks in the water circulation devices.

## 4. Aux

The auxiliary button is normally disabled, but in some configurations it can be activated in order to control an additional pump or a single speed blower..


	Auxiliary on / off
--	--------------------



### Multicolored led light

The tub is equipped with a LED light that can be activated using the appropriate button on the control panel positioned on the edge of the tub.

Use the same button to modify its function (color change, sequence, etc.) and to turn it off:

	<p>It is possible to change the operation of the device at each new pressure.</p> <ol style="list-style-type: none"> <li>1. Power on</li> <li>2. Static color change</li> <li>3. Continuous color variation</li> <li>4. Variation of progressive intensity</li> <li>5. Sudden change in intensity</li> <li>6. Time duration of color stationing</li> <li>7. Progressive color change without fading</li> <li>8. Shutdown</li> </ol> <p>The set values remain stored.</p>
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### 5. Compact FM radio with USB player

The radio with USB reader is located in a special compartment with a flap on the side of the tub. This device is equipped with a USB port for connecting memory media containing audio files.

### 6. Heater

The tank is equipped with an electric heater 2/3 kW of power, depending on the model (see relative technical information sheet). The action of the heater is programmed not to operate in conjunction with the massage pumps or the blower, so as to contain electricity consumption. Its operation is signaled by the lighting of a LED on the control panel positioned on the edge of the pool (see paragraph V).

The heater is activated automatically when necessary in order to reach the temperature desired, which the user will have set before entering the tank.

### 7. Ozonator

The ozonator, or ozone generator, helps oxidize the organic substances that enter in water and therefore reduces the need for chemicals for water treatment.

The operation of the ozonator is automatic and is associated with the operation of the filtration pump; however, when there are people in the tub, the ozonator is off and remains off until the user notifies the microprocessor that he has finished using the tub (by pressing the SET button).

The reaction times of the ozone are about 1/10 seconds, the water treatment is then carried out in the pipe and the ozone no longer has any effect once it has escaped from the nozzle.

Maintaining a correct pH as well as a sufficient sterilant rate is essential.

Ozone assists the chemical treatment but does not replace it.

**Note:** The nominal useful life of the ozonator depending on the intensity of use of 2-3 years. After this deadline it will be necessary to replace it.

### 8. Aroma therapy

The tank is equipped with an essence dispenser, with removable cartridges, associated with the operation of the Blower.

The intensity of the aroma can be adjusted by means of a rotating knob, placed on the support of the

vials, by the pool. The useful life of these essences varies according to the desired intensity and frequency of use: it is recommended to replace them with a minimum period of 6 months to keep the sensory effectiveness intact.



## VI. Standard tank programming


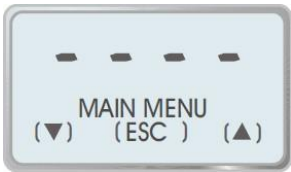






The standard programming procedure is shown below according to a typical scheme suitable for the first start-up. For details, refer to the manual dedicated to the SP1200 control panel.




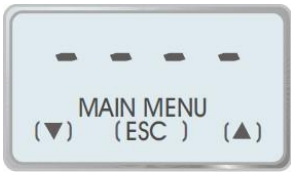






First of all, set the clock on the exact time and the temperature at the desired level: the ideal recommended temperature is 36 - 37 ° C: do not set the SPA with higher temperatures. Temperatures between 38 ° - 40 ° C are normally tolerated by adults but not recommended.

Proceed to start up in compliance with the following steps:

## Setting the current time




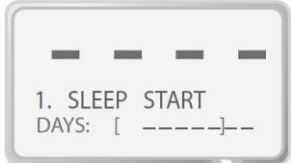



	<p>Push to view</p> 
	<p>Push till to see</p> 
	<p>Press to change the sub-items: hour format, hour, minutes and day of the week</p>
 	<p>Set the desired value</p>
	<p>Press to store the temperature</p>

## 1. Setting the desired temperature

	<p>Push to view</p> 
	<p>Push till view</p> 
	<p>Push to edit the temperature</p>
 	<p>Set the desired value</p>
	<p>Press to store the temperature</p>

## 2. Setting the Silence period.

The following procedure represents a standard example that will be modified according to the needs of the end customer.

	<p>Push to view</p> 
	<p>Push till to view</p> 
	<p>Press to modify the sub-parameters: Hour, Minute and Day / s to start the silence period then Hour and minute of the end of the period</p>
	<p>Set the desired values</p>
	<p>Press to store the programming made.</p>

## VII. Secondary functions

1. **Activating the keypad lock**
2. The buttons on the SP800 / 1200 touch pad can be locked to prevent unauthorized users from using the SPA or changing the set up options. With the key lock activated the LCD display temporarily shows "Keys locked".
3. To activate the key lock, press and hold at the same time:



While you are doing this, the LCD will show "" HOLD KEYS TO ACTIVATE LOCK ". You will need to hold for about three seconds before the lock is activated. The Touch Pad will then beep and display "KEYS LOCKED".

### 4. Deactivating the keypad lock

Once the key lock is activated you must press a sequence of buttons to deactivate it:






Press each of the buttons listed in the unlock pattern, one at a time. The touch pad beeps and temporarily displays "KEYS UNLOCKED" once the pattern has been entered correctly.

Note: If the controller is disconnected from the power supply with the key lock activated, it will be automatically removed upon restart.

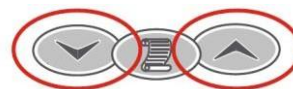
#### 5. Adjusting the contrast of the LCD panel

Brightness can be adjusted manually. To adjust the contrast, follow these steps:

- 1) Keep pushed the button  ;
- 2) with the button pressed, press the buttons UP  Down  to darken or lighten the contrast, at will;
- 3) once you have finished adjusting the contrast, release the lighting button and the new setting will be saved.

#### 6. Rotating the display view

Press the buttons simultaneously



### VIII. Self diagnostics

The SP series panels are equipped with an automatic self-diagnostic system, the main malfunction signaling codes are given below. The signal will be accompanied by an acoustic signal, which can be silenced by pressing the Selector button. The acoustic alarm is automatically silent after four minutes.

Warning: with any error between 3 and 8 the SPA stops until the controller is reset by pressing 4 keys simultaneously, as in the following figure.



## IX. Error Codes

### 1. Error 1 ("PRIME FAILED")

Failed upload is a special case. This is not necessarily a problem with the SP1200 controller, but it indicates that water is not being detected in the heater body. Pressing the Down button will cause the main pump to start for a duration of 10 seconds to try to charge the exchanger. If successful, normal operation will resume. If not, the error will be indicated again on the display again. It is advisable to contact the installer.

### 2. Error 2 – not used.

### 3. Error 3 ("BUTTON STUCK ")

This error indicates that one or more touchpad buttons are stuck or have been pressed for more than a minute. This can be caused by incorrect installation of the cover or damage to the touch pad itself. Try to reset the SPA. If the problem persists, contact your installer.

### 4. Error 4 ("NO WATER SENSOR")

This error indicates a problem with the optical sensor due to the presence of water in the heater. The problem can be caused by sensor disconnection or damage to the sensor itself. Try resetting the controller. If the problem persists, contact your installer.

### 5. Errore 5 ("OVER TEMP")

This error indicates that the digital temperature sensor in the heater has detected a temperature of 45 °C or higher. This may not be a problem with the SP800 / 1200. It can be caused by overuse of hydro pumps in hot conditions or pump failure. Turn off the controller and wait the time necessary for the water and the sensor to cool. If the problem persists, contact your in.

### 6. Error 6 ("THERMAL CUT OUT ")

This error indicates the activation of the electromechanical overtemperature protection. This is not necessarily a problem with the SP800 / 1200. There may have been overheating of the air around the sensor due to high temperatures during shipment or a failure of the circulation pump. This alarm will be cleared only when the heater sensor has cooled below about 38 °C. The appliance must therefore be reset before it can resume operation (turn off and restore power).

### 7. Error 7 ("STUCK RELAY")

This error indicates a problem with the heater circuit. Contact your installer.

### 8. Error of 8 ("NO DATA TEMP")

This error indicates a problem with the heater's digital temperature sensor. The sensor may have been disconnected or damaged. Try to reset the SPA. If the problem persists, contact your installer.

### 9. Error of 9 ("CLOCK FAULT")

This error indicates a problem with the clock inside the SP800 / 1200. Try to reset the SPA. If the problem persists, contact your installer.

## X. Water treatment

### WARNING

*The dosages and methods of use of chemical products for water treatment must be delegated to specialized personnel: the following indications are to be understood as general references and therefore must be adapted to the characteristics of the specific tank and to the use that is made of the same.*

The tanks of the SPA ITALIA line are equipped with an electronic system for the generation of ozone, an extremely effective sterilizing agent, and a cartridge filtration system (one or more depending on the model). Ozone generation starts at the same time as the filtration periods, programmed as indicated in par. II. Ozone is an efficient highly reactive disinfectant with rapid decomposition, it follows that its disinfectant action is short-lived: this implies that to obtain the best results, its production and action must be distributed evenly throughout the day. Therefore, in order to maintain good water quality in the tank, it will be necessary to adjust the periods and duration of filtration according to the type of use, the frequency, the number of users and the set temperature value. It is a good idea to regularly increase the number of filtration cycles (max 4) and their duration in proportion to the frequency of use and the increase in the temperature of the water in the tank.

To prevent the formation of bacteria and algae, it is recommended to maintain an appropriate level of disinfectants in the tank (see following paragraph) to supplement the action of the ozonator. For private use, under normal operating conditions, this concentration must be between 2 and 4 ppm.

If the tank is subject to long periods of inactivity, it is advisable to replace the water in the tank when it is restarted or, if it is not possible to replace it, to intervene to restore the quality of the water by treating it with special products (see following paragraph). In this sense it is advisable to carry out a super-chlorination treatment, also called "shock" treatment, based on chlorine. It is also possible to carry out a "shock" treatment with active oxygen, although, compared to chlorine, it is less effective: in this case, the recommended amount is about three times that used for normal maintenance treatment.

### 1. Disinfettanti

#### NOTA BENE

*I dosaggi e le modalità d'uso dei prodotti chimici devono essere demandati a personale specializzato. Per chiarimenti rivolgersi al proprio installatore di fiducia.*

Certain types of disinfectants, commonly used in large swimming pools, such as trichloro, calcium hypochlorite, sodium hypochlorite, are to be considered unsuitable for use in SPAs.

For water treatment it is recommended to use products such as:

- "chloroisocyanurate", chlorine-organic derivatives, particularly suitable if the tank is located outside, as they act as stabilizers and prevent sunlight from exhausting the action of chlorine;
- bromine, which, compared to chlorine, has the advantage of being less irritating, having less influence on the pH and being odorless. Furthermore, unlike chlorine, bromine does not dissociate into the "combined" and "free" forms: since ozone is able to reactivate the bromine residues in the water, the combination of the two treatments is optimized, as it reduces notably the consumption of bromine tablets;
- Active oxygen allows for pure, clear and pleasant water in contact with skin and hair. Active oxygen is the "delicate" alternative to chlorine and can replace it as a disinfectant substance, and is also effective against the formation of algae.



C.P.A. srl offers a complete range of the aforementioned products for water treatment, with a view to low environmental impact, we suggest the use of active oxygen, a substance that, in addition to the advantages expressed, allows the water from the tank directly in the sewer system without the need for expensive purification or to use it for irrigation of the garden.

These disinfection products can be placed directly into the SPA water, although it is preferable to introduce them using a floating dispenser or in the skimmer basket (when present).

For dosages and methods of use, refer to the instructions on the packaging.

## 2. The chemical parameters of the water

Before proceeding with the disinfection of the water in the tank, it is essential to establish, by means of a special test kit, which values are present and the delta compared to optimal values, in order to plan an adequate treatment. To purchase a test kit and its use, contact specialized technicians or your trusted dealer.

It should be remembered that the concentrations of chemical additives are expressed in the following units of measurement which are equivalent to each other "ppm" (parts per million), "mg / l" (milligrams per liter) and "g / m<sup>3</sup>" (grams per meter cube).

## 3. pH

*Ideal value between 7.2 and 7.4*

Represents the concentration of hydrogen ions (H<sup>+</sup>) dissolved in water or the acidity or alkalinity of the water, measured on a scale from 0 to 14 (from 0 ÷ 7 = acid zone; 7 ÷ 14 = alkaline zone ).

For values higher than 7.4 the disinfectants become less effective, while the formation of limescale increases, to the detriment of the surface of the tank and its components.

For values below 7.2, the effectiveness of disinfectants decreases and the corrosion phenomena of the metal components are favored, as well as irritation to the eyes and skin.

The pH must be adjusted by means of special additives, which allow you to raise or lower the value.

## 4. Total alkalinity (TA)

*Ideal value between 85 and 140*

This parameter represents the quantity of some alkaline substances (carbonates, bicarbonates, hydrates) present in the water.

With a low TA value (less than 80 mg / l) the pH can change suddenly, with sudden and uncontrollable fluctuations, making it practically impossible to maintain a good water quality.

A high TA value (greater than 150 mg / l), although not causing serious inconvenience, can contribute to cloud the water and create problems related to pH.

If the alkalinity level becomes excessive, it is advisable to completely drain the system, carefully clean all the surfaces of the mini pool and fill with clean water. In areas where the water has a high degree of hardness, it is recommended to install a water softener upstream of the water supply, or to condition the water with an anti-scaler.

## 5. Water hardness

*Ideal value between 10 e 14*

The amount of calcium and magnesium salts present in solution in the water is identified as "water hardness", this is expressed in French degrees (° fr) or in mg / l of calcium carbonate (CaCO<sub>3</sub>).

Hard water, i.e. with a carbonate content higher than 150 mg / l (> 15 ° fr), can produce limescale deposits on the walls of the tank and in the pipes.



To overcome these problems it is advisable to install a softener, alternatively, you can use special chemical products that inhibit the crystalline formation of carbonates.

In the case of water with a hardness lower than 10 ° fr (100 mg / l of CaCO<sub>3</sub>), typical values of mountain water, it is useful, to avoid corrosion phenomena to the metal components, to use suitable products to buffer and neutralize the excessive amount of CO<sub>2</sub> (carbon dioxide) present.

#### WARNING

*The dosages and methods of use of chemical products must be delegated to specialized personnel. For clarification, contact your trusted installer*

#### 6. Superchloration (or "shock treatment")

As soon as it is installed, or after long periods of inactivity, the SPA must be subjected to the superchlorination treatment, or shock treatment: this is to disinfect the tub completely. The frequency with which to perform the superchlorination depends on the frequency of use of the SPA. Subsequently, maintenance treatments will suffice.

Check that the pH, total alkalinity TA and water hardness values are correct; in case on the contrary, act as suggested in the previous paragraphs.

#### WARNING

It is advisable to dissolve the granules beforehand in a bucket, or to use a special basket available from specialized distributors. For the use of these substances, strictly follow the instructions and specific recommendations of the manufacturer.

Set the filtration cycle with a duration of 8 hours (see relevant chapter) and leave it running until the residual level of free chlorine in the water drops back to normal levels (2 ÷ 3 mg / l), then reprogram the programming according to standard times.

Normally this happens after a few hours (it is advisable to leave the system running anyway filtration for at least half a day).

#### WARNING

DO NOT use the mini pool until the free chlorine level has dropped to normal levels (2 ÷ 3 mg / l). During superchlorination, do not use the thermal cover, so as not to favor the aggression of the metal parts (chromed accessories, etc.).

High chlorine or bromine values (> 10 mg / L) may not be detected by the test kit reagents while, in reality, the amount is excessive. If disinfectants have been introduced in quantities greater than 10 mg / l, the operator must prohibit,

under his responsibility, the use of the mini pool.

Dosages and methods of use must be delegated to specialized personnel.

## XI. Ordinary maintenance

The SPA tubs of the SPA Italia line are equipped with cartridge filters. In order to ensure the proper functioning of the tanks, the cleanliness of the filter cartridges contained within the filtering system should be checked periodically: clogging of the same can lead, in the long term, to the breakage of the pumps. Failure to maintain the filter cartridges will invalidate the warranty.

Proceed as follows to remove and clean the filter cartridges:

- remove the skimmer protection flap (when present) by sliding it upwards the entire frame;
- remove the roughing basket by sliding it out of its seat, then clean any impurities with a brush or a toothbrush;
- remove the filter cartridge (s) by turning counter-clockwise until it is completely free, then proceed to clean it (s) using a brush or a toothbrush under running water; clean until all deposits and residues are removed;

- restore normal operating conditions by re-assembling all the removed parts.

It is recommended to check the status of the cartridges at least every 15 days: the frequency of checks must be related to the frequency and type of use.

It is highly recommended to replace the filter cartridges every 450, only with original parts.

## XII. Water tub discharge

SPA ITALIA tanks are equipped with a drain union with safety valve for draining the water in the tub proceed in compliance with the following operations:

1. Disconnect the tank from the main power supply
2. Remove the water from the tank using the special drain ports located on the sides of the tank: the drain ports have a bayonet release mechanism activated by a first rotation, then proceed to remove the threaded cap. A further rotation will trigger the release of the tub water. The drain union is equipped with a  $\frac{3}{4}$  "female thread, so it can be combined with a traditional rubber holder (not supplied).



*Warning: the drains are equipped with a safety valve to prevent accidental emptying: for empty the tank it is necessary to snap the drain union outwards,*

## XIII. Cleaning and set aside in the winter

To clean the surface of the hot tub, which is totally free of pores or joints, it is recommended to use a mild liquid household bathroom cleaner and scrub gently with a damp sponge or cloth.

DO NOT use abrasive cleaning products or solvents as these could scratch and dull the surface.

Chemicals other than those described above should never be used on acrylic surfaces.

To remedy scratches or abrasions it is recommended to ask for the support of the installer.

To put the SPA tub to rest in the winter period, it is advisable to completely empty the water from it, making sure that the filter basket and the cartridge filter itself are completely clean and dry, in order to avoid the formation of mold or stains. from the deposit of limestone present in the water. Before carrying out the previous operations, remember to disconnect the main power switch.

Then when the tank is dry proceed to cover it with its own thermal cover. In harsh climatic conditions or direct exposure of the same to atmospheric agents, the use of an additional waterproof covering is recommended to protect the whole<sup>1</sup>.

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<sup>1</sup> Any degradation of the varnishing of the wooden covering of the tank cover due to prolonged exposure to atmospheric agents is not covered by the warranty: it is recommended to periodically repaint with protective wood enamel in order to preserve the original quality of the body.

#### XIV. Raccomandations

- Do not set a desired temperature higher than 37 ° C, to reduce electrical consumption and not expose yourself to health risks.
- Always cover the tank with the isothermal cover during the night or when it is not used for a long time, so as to reduce heat loss and therefore electricity consumption.
- Do not use foaming products and aromas dissolving in water in the tank in order to keep the hydraulic pipes of the tank circuit clean and prevent malfunctions.
- For cleaning, use non-aggressive or corrosive products, which damage the finishing layer of the fiberglass (see label of cleaning products).
- The user must identify a qualified person capable of managing and conducting the system, in particularly with regard to operations:
  - o Water loading.
  - o Programming the water heating temperature.
  - o Verification of system functionality.
  - o Control of the various parameters relating to water treatment.
- • The user, unless he belongs to the category of people described above, must limit himself to operating as described below, avoiding any other intervention, making sure, before starting the system, that it has been set up for correct operation and that the water temperature is the desired one.
- • In the event of a breakdown or malfunction, he will only have to disconnect the system, operating on the general switches installed in an accessible area, and then request the intervention of specialized technicians.

C.P.A. srl declines all responsibility in the event that the operations provided for in the installation manual and in the following paragraph VI - Water treatment - are not performed by specialized personnel.

## XV. Note ed Avvertenze

The system, if installed by qualified personnel in compliance with the provisions set out in the installation manual, does not present any risks to the user. Safety, however, is also linked to proper use, as provided in this manual, while the user must delegate the setting / programming / maintenance operations to qualified personnel.

It is important to ensure that the personnel in charge of the installation or management of the system are qualified in relation to the provisions of the law, and in particular that, after installation, the declaration of conformity is issued in accordance with the laws in force.

As regards the adequacy of the electrical system and connections, refer to the installation and start-up manual. However, it must be periodically verified that the differential switch of the system to which the SPA is connected is efficient.

The C.P.A. srl declines all responsibility for damages deriving from non-observance of the following provisions:

- o Do not use water with temperatures over 40 ° C.
- o The tolerability of hot water varies from person to person.
- o Pregnant women and small children should not use the SPA tub without first consulting a doctor e however, the water must have a temperature below 38 ° C.
- o Be very careful when you are alone in the mini pool: being immersed for a long time in hot water can cause nausea, dizziness and fainting. If you intend to use the SPA tub for periods longer than 10, make sure that the water temperature has a lower value. This is also suitable for children.
- o People with heart disease, diabetes, hypertension or hypotension, or with other health problems should not use the mini pool without first consulting their doctor.
- o Do not use the SPA tub after taking alcohol, drugs or medicines that induce sleepiness or that can raise / lower blood pressure.
- o People under medical treatment should consult a doctor before using the SPA, as some medicines can make you sleepy, while others can affect heart rate, blood pressure, circulation.
- o With a wet floor, particular attention is recommended when entering and exiting the SPA tub.
- o Do not use electrical equipment (radios, hair dryers, etc.) near the SPA tub.
- o While using the SPA tub, you must keep your head, body and clothing at a distance of at least 40 cm from the suction vents; long hairs must be collected and appropriately stopped.
- o Do not start the mini pool if the protective grids are broken or missing. Contact your installer for suitable replacement parts. Use only original spare parts.
- o Never start the whirlpool pumps and / or the heater if the water level in the tub does not exceed that of the highest whirlpool jets.
- o Do not use the SPA tub during the superchlorination treatment (or "shock" treatment): wait for the free chlorine level to drop to normal levels (refer to the chapter - Water treatment).
- o Always turn off the main switch before emptying the SPA tub (winter rest, etc.).

The information contained in this document may vary at the discretion of the editor, without notice, together with the changes to the product in question in this document: it will be the customer's responsibility to check the persistent correspondence of the product to the information sheet when placing the order.

The C.P.A. s.r.l. assumes no responsibility for any problems deriving from erroneous interpretation of the text. This document may be modified in its entirety without prior notice by the writer.

The C.P.A. s.r.l. furthermore, it declines all responsibility for possible inaccuracies contained in this manual, if due to printing or transcription errors