

Vejledning til NOVITEK udespa med TP-500 panel



Kære kunde

Tillykke med dit nye udendørs spabad.

Fra Wellmores side ønsker vi, at din investering bliver en god oplevelse fra starten såvel som i fremtiden.

Vi håber produktet vil give stor glæde og velvære i mange år frem.

Vi anbefaler at du giver dig tid til at læse denne folder for at få forståelse omkring dit nye udespa.

Skulle du have yderligere spørgsmål, er du meget velkommen til at kontakte os igen.

Tak fordi du valgte et produkt fra Wellmore A/S.

Med venlig hilsen



Manufactured under one or more of these patents. U.S. Patents: 5332944, 5361215, 5550753, 5559720, 5,883,459, 6253227, 6282370, 6590138, 6955815, 7030343, 7,417,834 B2. Canadian Patent: 2342614. Australian patent: 2373248 other patents both foreign and domestic applied for and pending. All material copyright of Balboa Water Group.

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- Spaen leveres på højkant, på en palle, medmindre andet er aftalt. Der kan være rester af vand i spaen, da de testes inden afgang fra fabrikken.
- Platformen til spaen skal altid være jævn, vel drænet og bæredygtig. Med spabad, vand og personer skal underlaget kunne bære 2-3000 kg. Der er vigtigt, at der er god støtte under hele spaen. Spaen skal stå i vater.
- Bygger du spaen ind i en terrasse, sørg da for alle 4 sider har minimum 50 cm servicegang rundt om spaen
- Spaen er bygget op omkring en stålramme. Den har ABS bund, som skærmer mod underlaget.
- Når du modtager dit udespa, husk at fjerne eventuelt plastikemballage der sidder rundt om filteret, inden opstart. Vist på billedet til højre.



- Monter spænderne til fastgørelse af top coveret. Disse spænder sidder på stroppen på coveret. Husk at have coveret liggende på spaen under installationen af spænderne, så du ved hvor de skal installeres. Spænderne skal monteres så låget sidder stramt, og opnår vakuum effekt.

- Vand – indløb og afløb:

Der er intet afløb på spaen. Derfor anbefales det at bruge en dykpumpe til at tømme spaen.

Spaen fyldes med almindelig haveslange, og det anbefales ikke at lave fast vandtilførsel på spaen. Dykpumper kan købes i byggemarkeder.

- El:

Afhængig af spa type, kan der være forskellige måder de skal tilsluttes på. Tjek derfor specifik installationsvejledning for din spa.

Selve installationen og tilslutningen af elektriciteten, skal ALTID udføres af autoriseret elektriker for at undgå fejl, skade af teknikken, person skade og for at sikre at el-delen bliver installeret korrekt og efter overensstemmelse af gældende regler og reguleringer.

Bemærk: Der er ikke forberedt indgang til kabel i spaen. Dette kan bores ind igennem siden af ABS bunden eller bores op under bunden af spaen.

- Spabade tomme for vand og efterladt direkte i sollys uden topcover, er sårbare over for UV og solskader. Høje temperaturer forårsaget af sollys kan koncentrere sig i akrylens overflade, og forårsage at akrylen delaminerer. Dette ses som forkert håndtering af produktet og kan resultere i overflade blister, bobler eller større delamineringer.

Dette er ikke dækket af garanti. Derfor er det vigtigt altid at holde topcoveret på, når spaen ikke er i brug.

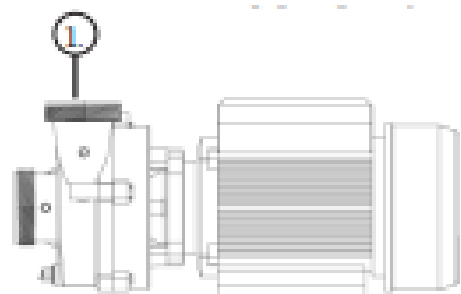
- Husk: fyld spaen helt op med vand, inden den tilsluttes strøm (VIGTIGT). Sørg for at alle dyser er drejet mod højre (med uret), så der flow-gennemgang til alle dyser.
- Opstår der flow fejl i opstarten, kan man luften ud på cirkulationspumpen. Se næste side.

Opstart af NOVITEK udespa

Inden du tager spaen i brug og påfylder vand, anbefaler vi, at du rengør karret indvendigt. Dette gøres let og enkelt ved at tage en fugtig klud med varmt vand og tørre overfladerne af. Dette med formål om at fjerne eventuelt snavs i spaen, og dermed mindske brugen af kemi.

Opstart og vandpåfyldning:

1. El, vand og afløb installeres som angivet – vent med at tænde for strømmen for spaen er fyldt op(!)
2. Tag sidepaneler af og efterspænd omløberne til pumpe og varmelegemer. Pas på ikke at overspænde.
3. Afmonter filteret / filtrene
4. Påfyld vand igennem filterhuset (se billede nedenfor) til vandet når ca. 4 cm over højeste dyse. Se billede nedenfor. Husk at åbne for dyserne (drejes med uret) for at lade så meget luft som muligt slippe ud af rørføring under påfyldningen.
5. Monter filteret i huset, når spaen er fyldt med vand. Husk at pille eventuelt plastik omkring filteret af.
6. OBS: Påfyldes der ikke gennem filterhus, kan der opstå luftlommer i rørsystemet, hvilket kan give flow fejl da der ikke transporteres vand nok igennem varmelegemet. Opstår der flow fejl som *'heater may be dry'* eller *'heater flow loss'* kan problemet løses ved at luften ud på cirkulationspumpen. (billede til højre)



Aftapning af vand.

Der er intet fast afløb på spaen.

Dermed anbefaler Wellmore at man køber sig en dykpumpe, til at tømme spaen med. Vær opmærksom på ikke at købe en dykpumpe, som er lavet af for meget metal, så det kan ridse overfladen i karret.

Dykpumper kan købes til billige penge i diverse byggemarkeder og online-shops.

Har du brug for råd og vejledning herom, er du velkommen til at kontakte os.

TP500 and TP500S Control Panels

User Guide for Standard Menu

System Model: All BP series systems

Panel Model: TP500 and TP500S Series

Panel Software Version: All versions

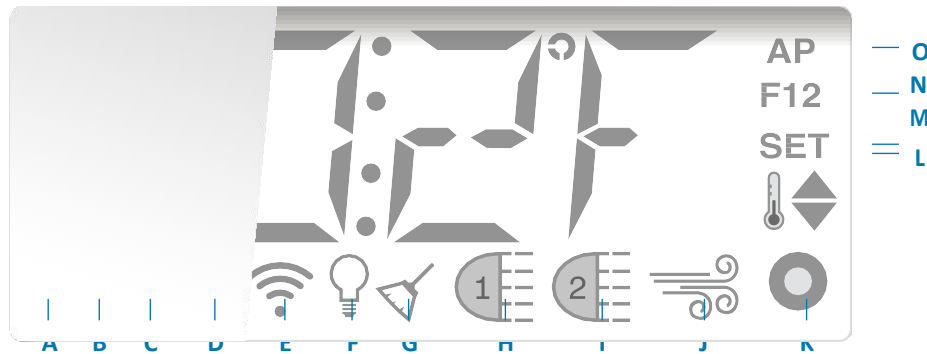


TP500S



TP500

Display Icons



- | | | |
|-----------------------------|-------------------|---------------------------------------|
| A - Heat | F - Light | K - Auxiliary (Jets 3 or MICRO SILK®) |
| B - Ready Mode | G - Cleanup Cycle | L - Temperature Range (High / Low) |
| C - Rest Mode | H - Jets 1 I | M - Set (Programming) |
| D - bba™2 On | - Jets 2 J - | N - Filter Cycle (1 or 2 or Both) |
| E - WiFi (Cloud Connection) | Blower | O - AM or PM (Time) |

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Manufactured under one or more of these patents. U.S. Patents: 5332944, 5361215, 5550753, 5559720, 5,883,459, 6253227, 6282370, 6590138, 6956815, 7030343, 7417,834 B2, Canadian Patent: 2342614, Australian patent: 2373248 other patents both foreign and domestic applied for and pending. All material copyright of Balboa Water Group.

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Main Menu

Navigation

Navigating the entire menu structure is done with 2 or 3 buttons on the control panel.



Some panels have separate WARM (Up) and COOL (Down) buttons, while others have a single Temperature button. In the navigation diagrams Temperature buttons are indicated by a single button icon. Panels that have two Temperature buttons (Warm and Cool) can use both of them to simplify navigation and programming where a single Temperature icon is shown.

The MENU/SELECT Button is used to choose the various menus and navigate each section.

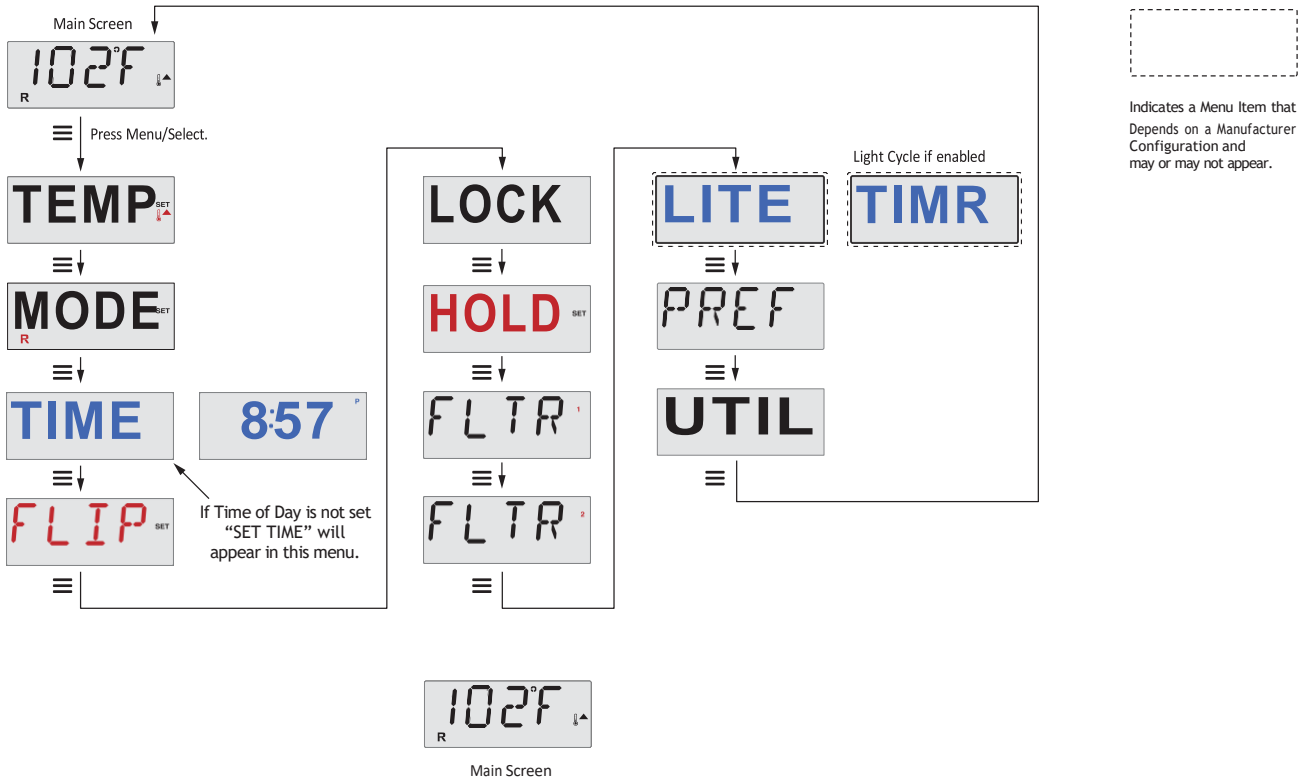
Typical use of the Temperature button(s) allows changing the Set Temperature while the numbers are flashing in the LCD. The menus can be exited with certain button presses. Simply waiting for a few seconds will return the panel operation to normal.

Power-up Screens

Each time the System powers up, a series of numbers is displayed. After the startup sequence of numbers, the system will enter Priming Mode (See Page 3).

Key

- Indicates Flashing or Changing Segment
- Indicates Alternating or Progressive Message - every 1/2 second
- ↕ A temperature button, used for "Action"
- ≡ Menu/Select button
- Waiting time that keeps the last change to a menu item.
- ***** Waiting time (depends on menu item) that reverts to original setting and ignores any change to that menu item.



Waiting a few seconds in the Main Menu will allow the display to revert to the Main Screen. Most changes are not saved unless Menu/Select is pressed. Refer to key above.

Fill it up!

Preparation and Filling

Fill the spa to its correct operating level. Be sure to open all valves and jets in the plumbing system before filling to allow as much air as possible to escape from the plumbing and the control system during the filling process.

After turning the power on at the main power panel, the top-side panel display will go through specific sequences. These sequences are normal and display a variety of information regarding the configuration of the hot tub control.

Priming Mode - MO19*

This mode will last for 4-5 minutes or you can manually exit the priming mode after the pump(s) have primed.



Regardless of whether the priming mode ends automatically or you manually exit the priming mode, the system will automatically start normal heating and filtering at the end of the priming mode. During the priming mode, the heater is disabled to allow the priming process to be completed without the possibility of energizing the heater under low-flow or no-flow conditions. Nothing comes on automatically, but the pump(s) can be energized by pushing the “Jets” or “Aux” buttons.

If the spa has a Circ Pump, it can be activated by pressing the “Light” button during Priming Mode.

Priming the Pumps

As soon as the above display appears on the panel, push the “Jets” button once to start Pump 1 in low-speed and then again to switch to high-speed. Also, push the “Jets 2” or “Aux” button, if you have a 2nd pump, to turn it on. The pumps will now be running in high-speed to facilitate priming. If the pumps have not primed after 2 minutes, and water is not flowing from the jets in the spa, do not allow the pumps to continue to run. Turn off the pumps and repeat the process. Note: Turning the power off and back on again will initiate a new pump priming session. Sometimes momentarily turning the pump off and on will help it to prime. Do not do this more than 5 times. If the pump(s) will not prime, shut off the power to the spa and call for service.

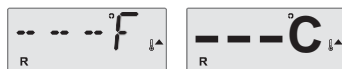
Important: A pump should not be allowed to run without priming for more than 2 minutes. Under NO circumstances should a pump be allowed to run without priming beyond the end of the 4-5 minute priming mode. Doing so may cause damage to the pump and cause the system to energize the heater and go into an overheat condition.

Exiting Priming Mode

You can manually exit Priming Mode by pressing the “Warm” or “Cool” button. Note that if you do not manually exit the priming mode as described above, the priming mode will be automatically terminated after 4-5 minutes. Be sure that the pump(s) have been primed by this time.

Once the system has exited Priming Mode, the top-side panel will momentarily display the set temperature but the display will not show the water temperature yet, as shown below.

This is because the system requires approximately 1 minute of water flowing through the heater to determine the water temperature and display it.



*MO19 is a Message Code. See Page 18.

Spa Behavior

Pumps

Press the “Jets” button once to turn pump 1 on or off, and to shift between low and high speeds if equipped. If left running, the pump will turn off after a time-out period.

On non-circ systems, the low-speed of pump 1 runs when the blower or any other pump is on. If the spa is in Ready Mode (See page 6), Pump 1 low may also activate once in a while for at least 1 minute to detect the spa temperature (polling) and then to heat to the set temperature if needed. When the low-speed turns on automatically, it cannot be deactivated from the panel, however the high speed may be started.

Circulation Pump Modes

If the system is equipped with a circ pump, it will be configured to work in one of three different ways:

- 1, The circ pump operates continuously (24 hours) with the exception of turning off for 30 minutes at a time when the water temperature reaches 3°F (1.5°C) above the set temperature (most likely to happen in very hot climates).
- 2, The circ pump stays on continuously, regardless of water temperature.
- 3, A programmable circ pump will come on when the system is checking temperature (polling), during filter cycles, during freeze conditions, or when another pump or blower is on.

The specific Circulation Mode that is used has been determined by the Manufacturer and cannot be changed in the field.

Filtration and Ozone

On non-circ systems, Pump 1 low and the ozone generator will run during filtration. On circ systems, the ozone will run with the circ pump. The system is factory-programmed with one filter cycle that will run in the evening (assuming the time-of-day is properly set) when energy rates are often lower. The filter time and duration are programmable. (See page 10) A second filter cycle can be enabled as needed.

At the start of each filter cycle, all water devices (other than the primary pump) will run briefly to purge the plumbing to maintain good water quality. The term “water devices” includes the Blower.

Freeze Protection

If the temperature sensors within the heater detect a low enough temperature, then the pump(s) and the blower automatically activate to provide freeze protection. The pump(s) and blower will run either continuously or periodically depending on conditions.

In colder climates, an optional freeze sensor may be added to protect against freeze conditions that may not be sensed by the standard sensors. Auxiliary freeze sensor protection acts similarly except with the temperature thresholds determined by the switch. See your dealer for details.

Clean-up Cycle (optional)

When a pump or blower is turned on by a button press, a clean-up cycle begins 30 minutes after the pump or blower is turned off or times out. The pump and the ozone generator will run for 30 minutes or more, depending on the system. On some systems, you can change this setting. (See the Preferences section on page 12)

Temperature and Temp Range

Adjusting the Set Temperature

When using a panel with Up and Down buttons (Temperature buttons), pressing Up or Down will cause the temperature to flash. Pressing a temperature button again will adjust the set temperature in the direction indicated on the button. When the LCD stops flashing, the spa will heat to the new set temperature when required.

If the panel has a single temperature button, pressing the button will cause the temperature to flash. Pressing the button again will cause the temperature to change in one direction (e.g. UP). After allowing the display to stop flashing, pressing the Temperature Button will cause the temperature to flash and the next press will change the temperature in the opposite direction (e.g. DOWN).

Press-and-Hold

If a Temperature button is pressed and held when the temperature is flashing, the temperature will continue to change until the button is released. If only one temperature button is available and the limit of the Temperature Range is reached when the button is being held, the progression will reverse direction.

Dual Temperature Ranges

This system incorporates two temperature range settings with independent set temperatures. The High Range designated in the display by a thermometer and an “up” arrow, and the Low Range designated in the display by a thermometer and “down” arrow.

These ranges can be used for various reasons, with a common use being a “ready to use” setting vs. a “vacation” setting. The Ranges are chosen using the menu structure below. Each range maintains its own set temperature as programmed by the user. This way, when a range is chosen, the spa will heat to the set temperature associated with that range.

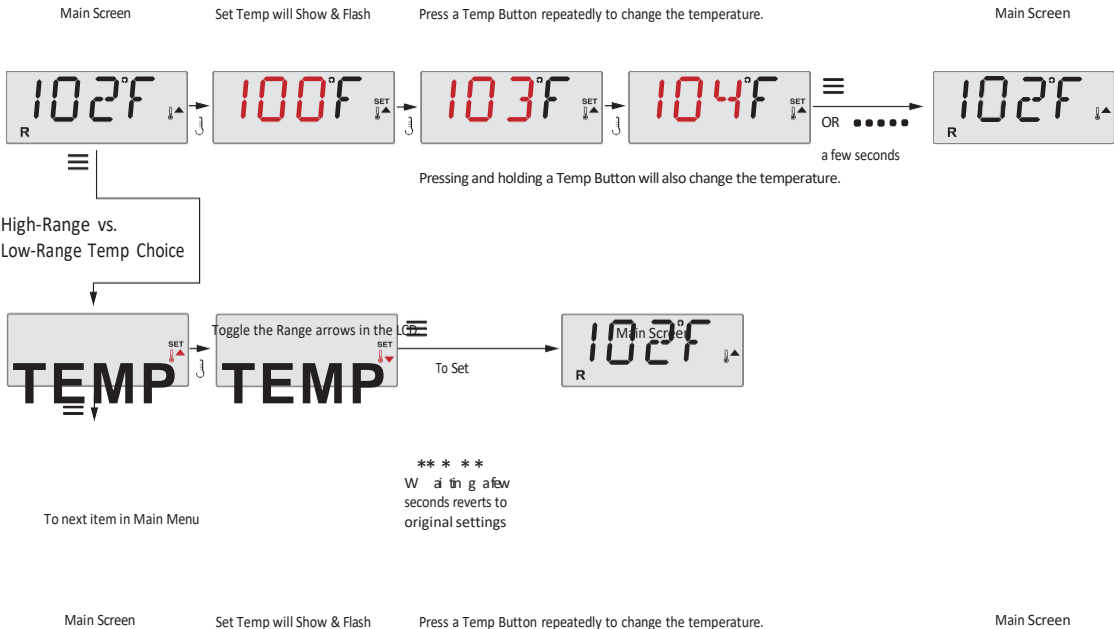
For example:

- High Range might be set between 80°F and 104°F.
- Low Range might be set between 50°F and 99°F.
- More specific Temp Ranges may be determined by the Manufacturer
- Freeze Protection is active in either range.

See Ready and Rest on Page 6 for additional heating control information.

Key

- █ Indicates Flashing or Changing Segment
- █ Indicates Alternating or Progressive Message - every 1/2 second
- ⏏ A temperature button, used for “Action”
- ☰ Menu/Select button
- ⋯⋯⋯ Waiting time that keeps the last change to a menu item.
- ***** Waiting time (depends on menu item) that reverts to original setting and ignores any change to that menu item.



Manufactured under one or more of these patents: U.S. Patents: 5332944, 5361215, 5550753, 5559720, 5,883,459, 6253227, 6282370, 6590138, 6955815, 7030343, 7417834 B2, Canadian Patent: 2342614, Australian patent: 2373248 other patents both foreign and domestic applied for and pending. All material copyright of Balboa Water Group.





Pressing and holding a Temp Button will also change the temperature.

Manufactured under one or more of these patents. U.S. Patents: 5332944, 5361215, 5550753, 5559720, 5,883,459, 6253227, 6282370, 6590138, 6965815, 7030343, 7417,834 B2, Canadian Patent: 2342614, Australian patent: 2373248 other patents both foreign and domestic applied for and pending. All material copyright of Balboa Water Group.



Mode – Ready and Rest

In order for the spa to heat, a pump needs to circulate water through the heater. The pump that performs this function is known as the “primary pump.”

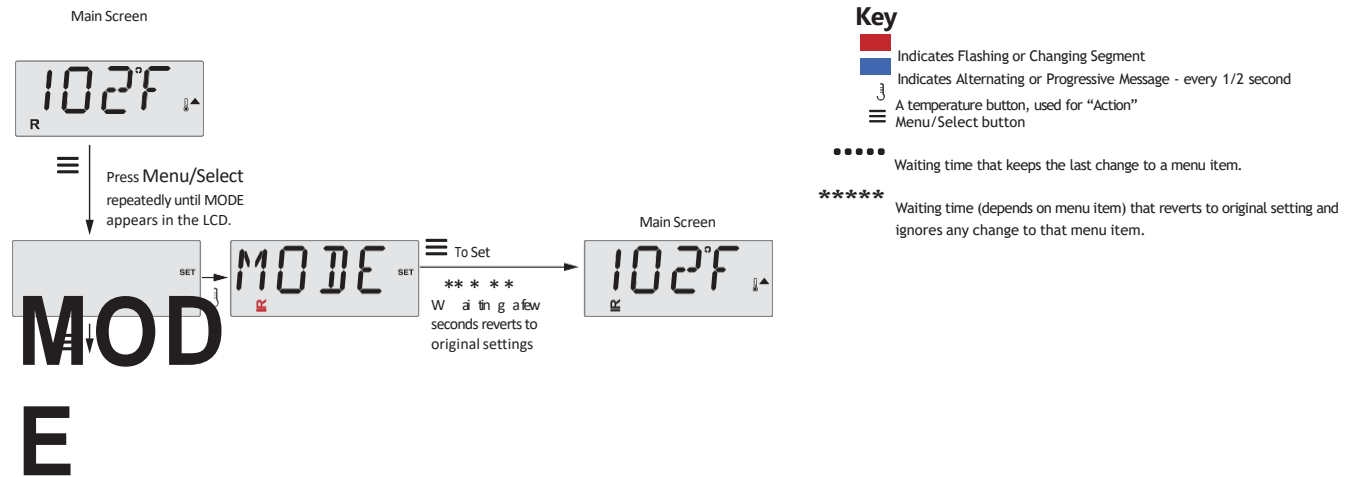
The primary pump can be either a 2-Speed Pump 1 or a circulation pump.

If the primary pump is a 2-Speed Pump 1, Ready Mode (indicated by **R**) will circulate water periodically, using Pump 1 Low, in order to maintain a constant water temperature, heat as needed, and refresh the temperature display. This is known as “polling.”

Rest Mode (indicated by **⏸**) will only allow heating during programmed filter cycles. Since polling does not occur, the temperature display may not show a current temperature until the primary pump has been running for a minute or two. Circulation Mode (See Page 4, under Pumps, for other circulation modes)

If the spa is configured for 24HR circulation, the primary pump generally runs continuously. Since the primary pump is always running, the spa will maintain set temperature and heat as needed in Ready Mode, without polling.

In Rest Mode, the spa will only heat to set temperature during programmed filter times, even though the water is being filtered constantly when in Circulation Mode.



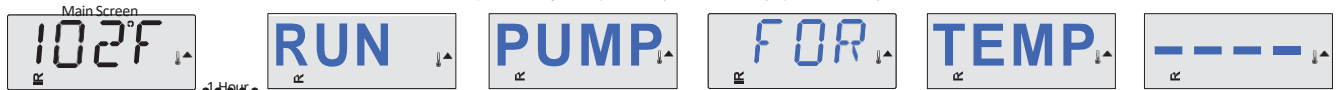
To next item in

Main Menu
If not toggled

Toggle between Ready (indicated by **R**) and Rest (indicated by **⏸**).
Pressing Menu/Select when the display is toggled will go to Main Screen.

Ready Mode will allow the spa to Poll and determine a need for heat. The panel will maintain a “current” temperature display.

Rest Mode will not Poll and will only heat during filter cycles. The panel will not display a current temperature at all times.



The Main Screen will display RUN PUMP FOR TEMP if the primary pump has not run for over 1 hour.
The Main Screen will display normally during Filter Cycles or when the spa is in use.

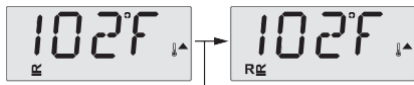
If the primary pump has been off for an hour or more, when any function button, EXCEPT Light, is pressed on the panel, the pump used in conjunction with the heater will run so that temperature can be sensed and displayed.

Ready-in-Rest Mode

R⏸ appears in the display if the spa is in Rest Mode and “Jets” is pressed. It is assumed that the spa is being used and will heat to set temperature. The primary pump will run until set temperature is reached, or 1 hour has passed. After 1 hour, the System will revert to Rest Mode. This mode can also be reset by entering the Mode Menu and changing the Mode.

Main Screen

Main Screen



Press "Jets" button

Manufactured under one or more of these patents: U.S. Patents: 5332944, 5361215, 5550753, 5559720, 5,883,459, 6253227, 6282370, 6590138, 6965815, 7030343, 7417,834 B2, Canadian Patent: 2342614, Australian patent: 2373248 other patents both foreign and domestic applied for and pending. All material copyright of Balboa Water Group.



To next item in
Main Menu
If not toggled

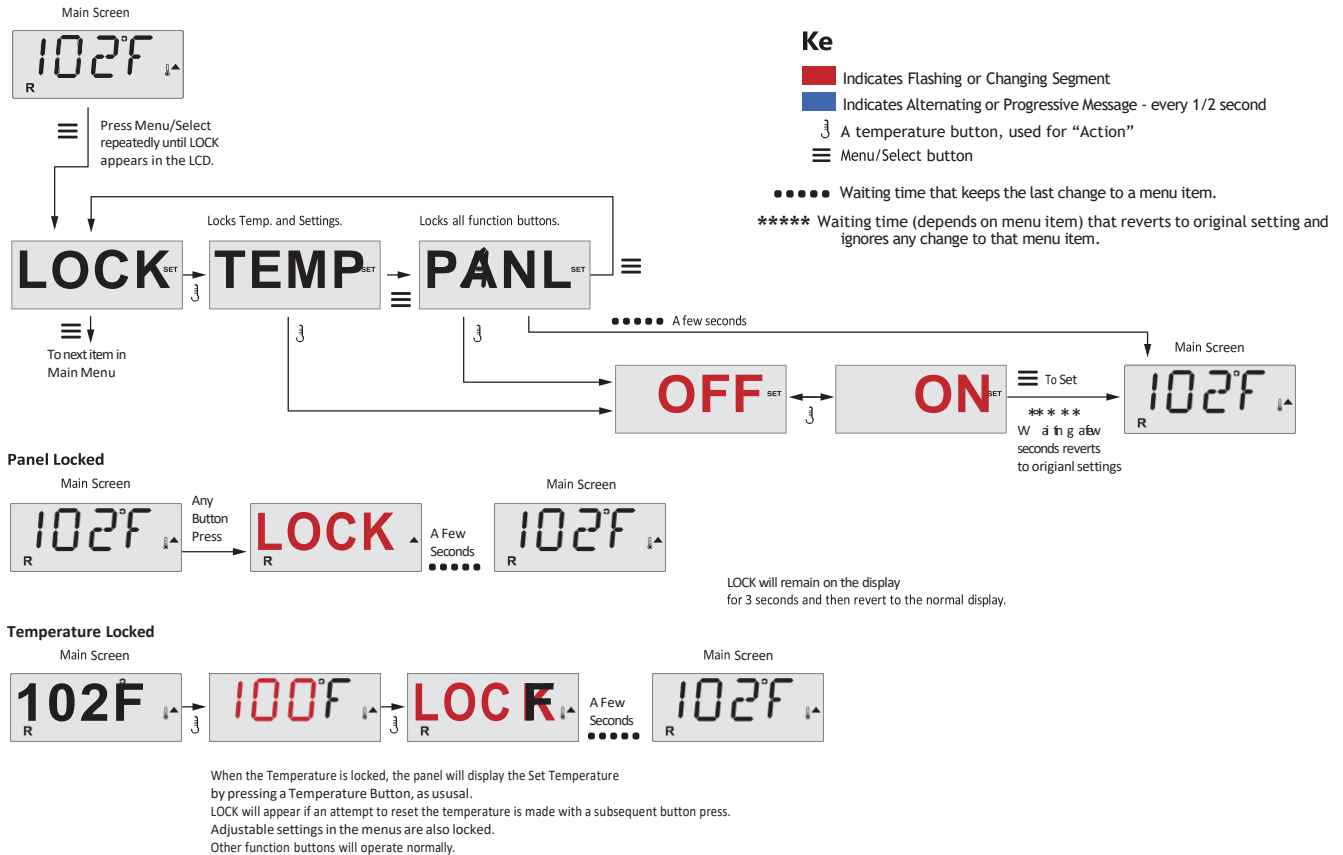
Toggle the inversion of the segmented characters
Pressing Menu/Select when the display is toggled will go to Main Screen.

Restricting Operation

The control can be restricted to prevent unwanted use or temperature adjustments. Locking the panel prevents the controller from being used, but all automatic functions are still active.

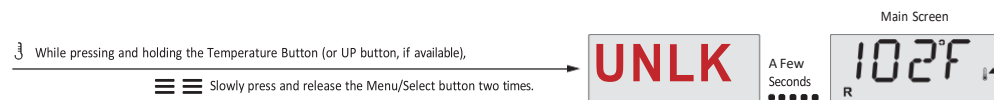
Locking the Temperature allows Jets and other features to be used, but the Set Temperature and other programmed settings cannot be adjusted.

Temperature Lock allows access to a reduced selection of menu items. These include Set Temperature, FLIP, LOCK, UTIL, INFO and FALT LOG.



Unlocking

This Unlock sequence may be used from any screen that may be displayed on a restricted panel.



NOTE: If the panel has both an UP and a Down button, the ONLY button that will work in the Unlock Sequence is the UP button.

The temperature will not Unlock if the Unlock sequence is done while the panel is displaying "LOCK".

Hold (Standby)

Hold Mode –M037*

Hold Mode is used to disable the pumps during service functions like cleaning or replacing the filter. Hold Mode will last for 1 hour unless the mode is exited manually.

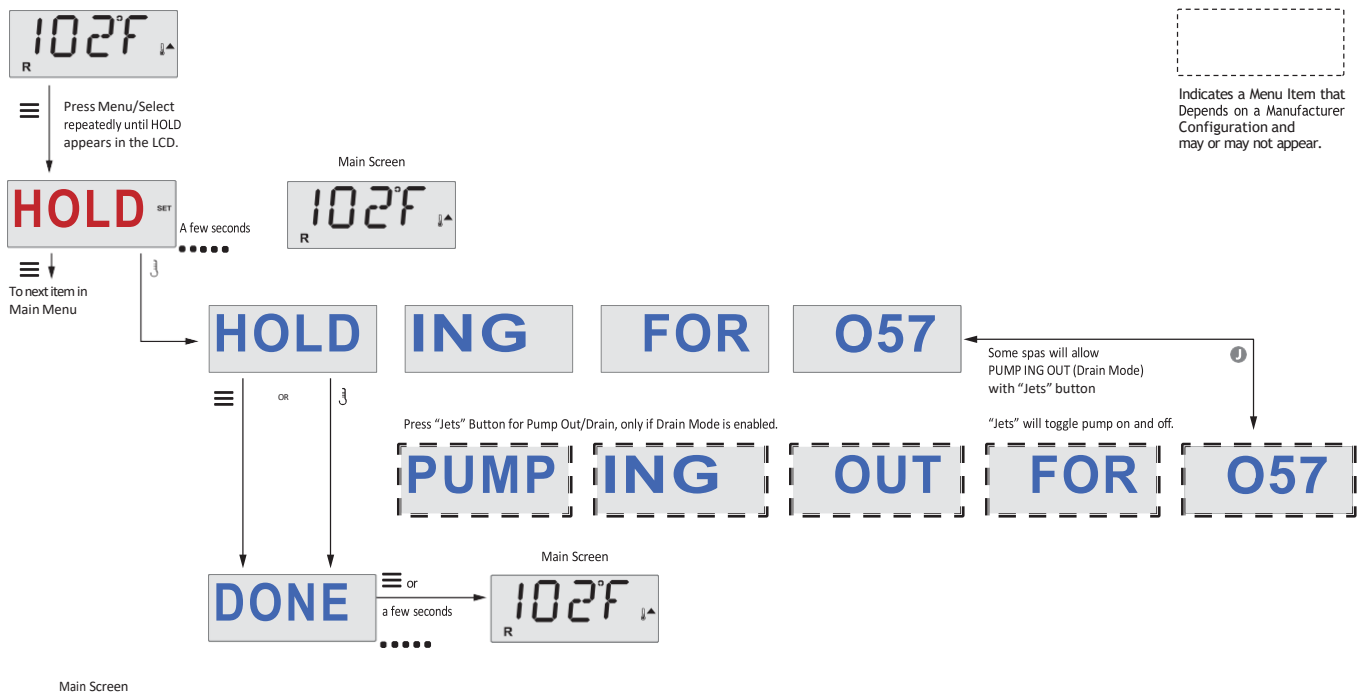
Drain Mode

Some spas have a special feature that allows a pump to be employed when draining the water.

When available, this feature is a component of Hold Mode. Drain Mode will time out with Hold Mode.

Key

- Indicates Flashing or Changing Segment
- Indicates Flashing or Changing Segment
- Indicates Alternating or Progressive Message - every 1/2 second
- A temperature button, used for "Action"
- Menu/Select button
- Waiting time that keeps the last change to a menu item.
- ***** Waiting time (depends on menu item) that reverts to original setting and ignores any change to that menu item.



M037 is a Message Code. See Page 18.



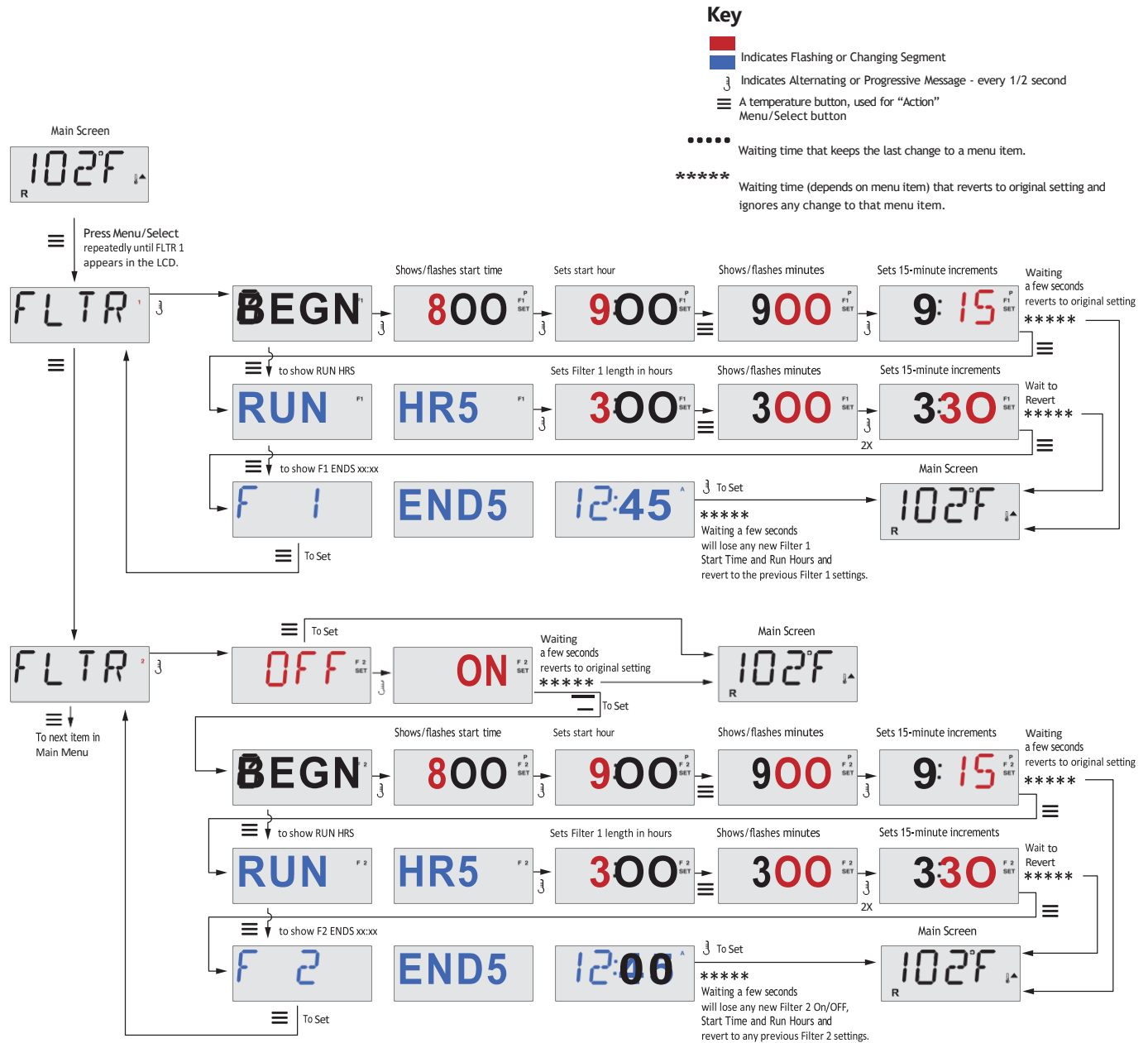
Manufactured under one or more of these patents: U.S. Patents: 5332944, 5361215, 5550753, 5559720, 5,883,459, 6253227, 6282370, 6590138, 6965815, 7030343, 7,417,834 B2, Canadian Patent: 2342614, Australian Patent: 2373248 other patents both foreign and domestic applied for and pending. All material copyright of Balboa Water Group.



Adjusting Filtration

Main Filtration

Filter cycles are set using a start time and a duration. Start time is indicated by an "A" or "P" in the bottom right corner of the display. Duration has no "A" or "P" indication. Each setting can be adjusted in 15-minute increments. The panel calculates the end time and displays it automatically.



Filter Cycle 2 - Optional Filtration

Filter Cycle 2 is OFF by default. It is possible to overlap Filter Cycle 1 and Filter Cycle 2, which will shorten overall filtration by the overlap amount.

Purge Cycles

In order to maintain sanitary conditions, secondary Pumps and/or a Blower will purge water from their respective plumbing by running briefly at the beginning of each filter cycle.

If Filter Cycle 1 is set for 24 hours, enabling Filter Cycle 2 will initiate a purge when Filter Cycle 2 is programmed to begin.

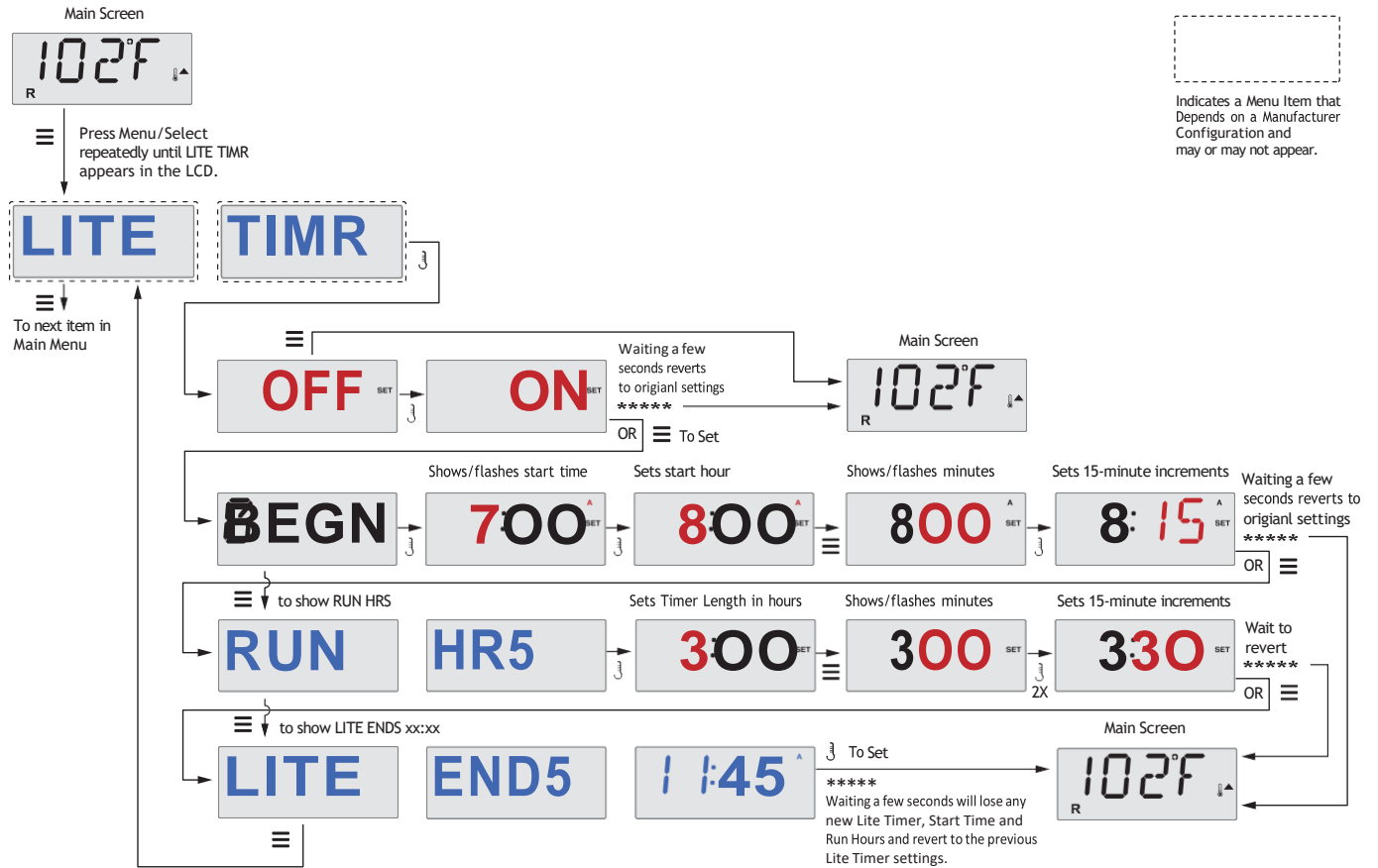
Light Timer Programming

Light Timer Option

If LITE TIMR does not appear in the Main Menu, the Light Timer feature is not enabled by the manufacturer.
When available, the Light Timer is OFF by default.

Key

- Indicates Flashing or Changing Segment
- Indicates Flashing or Changing Segment
- ⏏ Indicates Alternating or Progressive Message - every 1/2 second
A temperature button, used for "Action"
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Preferences

F/C (Temp Display)

Change the temperature between Fahrenheit and Celsius.

12 / 24 (Time Display)

Change the clock between 12 hr and 24 hr display.

RE-MIN-DERS (Reminders)

Turn the display of reminder messages (like "Clean Filter") On or Off.

Note: Reminders continue to run in the background even when not displayed. So turning the display of Reminders On or Off does not reset any Reminder counts.

CLN-UP (Cleanup)

Cleanup Cycle Duration is not always enabled, so it may not appear. When it is available, set the length of time Pump 1 will run after each use. 0-4 hours are available.

M8

(This message may not appear on all systems.) On systems that have M8, it is enabled by default. It can be disabled (or re-enabled) here. M8 reduces polling intervals when the water temperature in the spa is steady.

DOL-PHIN-AD-DRES (Dolphin II and Dolphin III) Applies to RF Dolphin only.

(This message may not appear depending on the configuration)

When set to 0, no addressing is used. Use this setting for a Dolphin Remote which is factory set for no address by default. When set between 1 and 7, the number is the address. (See the Dolphin manual for details.)

Vedligehold af udespa (standspa):

Kemi og vandpleje

Standspa er større spaboblebade til 4-8 personer og med et vandindhold på 500–2000 ltr.

I standspa genbruges badevandet i en længere periode og anlæggene er derfor forsynet med filteranlæg og typisk også med en ozongenerator eller UV til klaring af vandet i perioder hvor badet ikke benyttes. Det anbefales stadig at vandbehandle med desinficerende produkter.

Spaen skal ALTID være tændt og fyldt med vand. Bruges den ikke i perioder skal karret holdes frostfri. Temperatur min. 8 grader C.

Vandbehandling:

Der er flere måder, hvorpå du kan desinficere vandet i dit spabad. De mest anvendte er med aktivt oxygen/ilt eller klor.

Før dette stadie er det vigtigt at have styr på tre ting:

1. Alkalinitet mellem 80-120 (Kan styres med alka up og down)
2. PH værdi mellem 7,0-7,4 (Kan styres med PH up og down)
3. Behandling med klor: Klorværdi mellem 1-3 (Benyt Sunwac 12/9 eller Tab Twenty)

I Wellmore opstartspakke fra Spacare, har du alt hvad du skal bruge for at komme godt i gang.

<https://wellmore.dk/butik/opstartssaet-til-udendoers-spa>

Behandling af spabad med aktiv oxygen/ilt:

Pleje af spabade vha. aktiv oxygen giver en behagelig og lugtfri vandkvalitet, som er særlig hudskånsom.

Klargøring før hvert bad:

OxyPlus tilsættes direkte i vandet med vandcirkulationen kørende på laveste hastighed. Med målebægre i låget doseres ved opstart og nyfyldning 20 ml pr. 1000 l og der vedligeholdes ugentlig med: 20 ml pr. 1000 l når spaen anvendes regelmæssigt. Der kan bades 10 min efter tilsætningen.

Active Oxygen granular (A) tilsættes direkte i vandet i med vandcirkulationen kørende på laveste hastighed. Ved nyfyldning tilsættes 30 ml Active Oxygen granular (A) pr.1000 l og der vedligeholdes dagligt før badning med 15 ml pr.1000 l. Der kan bades 10 minutter efter tilsætningen.

Behandling af spabad med klor:

Sunwac 12 / 9 bekæmper også bakterier, svampe og vira i spabadet og nedbryder organiske materialer, der danner uklarheder i vandet.

Startdosering og ugentlige doseringer:

Tilsæt 2 stk, klortabletter pr. 1000 l badevand.

VIGTIGT: DISSE LÆGGES DIREKTE I SKUMMEREN ELLER OPLØSES I EN SPAND VAND INDEN DE PROPPES I SPAEN.



Efter badning:

Tilsæt 1 stk. Sunwac 12/ 9 tabletter pr. 1000 L badevand, for at efterdesinficere badevandet.
Husk kontrol af klorværdi

Langtidsvirkende klor

Sunwac 12 og 9 er hurtigtopløsende klor, og er derfor ikke ideel til at holde klorværdien over en længere periode, såfremt spaen ikke benyttes i flere dage.

Benyt i stedet Tab Twenty, som er en langsomtopløsende klor, som holder i 4-5-6 dage. Tabletten placeres i en flyder, eller alternativt skimmer, hvorfra den langsomt doserer klor. Dosér evt. op med en enkelt Sunwac 9/12 tablet, når spaen skal benyttes.



Husk kontrol af klorværdier. Overdosering af klor kan forårsage skader på akryl, nakkepudder og topcover.

Denne type skader er ikke dækket af garantien.

Filteranlægget:

Benyttes patronfilter / papirfilter, anbefales brug af 2 stk. filterpatroner.
Når den ene patron er i drift, placeres den anden i et rensesbad tilsat Filter cleaner.



Ca. en gang om måneden eller efter behov anbefales det at rense / udskifte filterpatronen. Den snavsede filterpatron iblødsættes i en spand med 10 % opløsning af Filter cleaner. (1 kg. til 10 ltr. vand).

Lad det stå natten over og skyl grundigt med rent vand.

Lad filteret tørre og støvsug den efterfølgende.



Rensning af det skjulte rørsystem:

2-3 gange årligt rengøres det skjulte rørsystem som sidder på spaen. Her vil der med tiden sætte sig skidt og snavs i rørene, som skal renses efter.

Benyt biofilm cleaner: Anvend 500 ml. til 1000-3000 Liter vand.

Følg vejledningen på flasken.

Vandanalyse & kontrol

For at kontrollere at klorværdi / aktiv oxygen samt PH-værdi ligger korrekt, benyttes en tester. Sammenlign farven med farveskalaen.

Tilsæt evt. PH-plus / PH-minus eller Chlorifix / aktiv oxygen.

Betjeningsfejl er ikke dækket af garantien.



Alle produkter kan købes online på vores webshop:

www.wellmore.dk

Se guides, videoer og gode råd til vandbehandling på www.spacare.dk

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Problemknuser – kemi og vandpleje

Problemknuseren

– sådan håndterer du typiske problemer i en udendørs spa

Problem:	Mulig årsag:	Forslag til løsning:
Vandet er tåget/uklart	a) Partikler i vandet b) pH-værdi er for høj c) Dårlig filtrering d) Vandet er overmættet med opløste stoffer (TDS er for høj)	a) Tilsæt Bright & Clear b) Tilsæt pH Down c) Rengør filterpatronen med Filter Cleaner d) Udskift vandet helt eller delvist
Vandet er misfarvet	Opløst metalsalte, kobber, jern eller andre metaller i vandet	Tilsæt No Scale
Skumdannelse	Højt indhold af sæbe- eller kosmetikrester	Tilsæt Foam Down
Kalkudfældninger i vandet (gråligt vand)	a) Højt calcium niveau b) pH for høj c) Alkaliteten er for høj	a) Tilsæt No Scale b) Tilsæt pH Down c) Tilsæt Alka Down
Ubehagelig lugt	a) Højt indhold af organiske forureninger b) Filterpatron snavset c) De skjulte rørsystemer er snavsede	a) Tilsæt SpaChock b) Rens filterpatron med Filter Cleaner c) Rengør det skjulte rørsystem med BioFilm Cleaner
Øjensvie/hudirritation	a) pH er for lav b) Alkaliteten er for lav c) TDS er for høj	a) Tilsæt pH Up b) Tilsæt Alka Up c) Udskift vandet helt eller delvist
Ubehagelig klorlugt og øjensvie	Højt indhold af bundet klor	Tilsæt SpaChock, kontrollerer pH og juster efter behov
Sider og bund føles som sandpapir	Kalkbelægninger på grund af meget hårdt vand	Afkalk hele badet med Descaler
Glatte eller slimede sider og hjørner Grønlig områder på bund og sider	Bakterievækst Mangler desinfektion	Activ Oxygen Granular (A) OxyPlus Activator Liquid (B) Bromin tabletter SunWac 9 tabletter; Sunwac 12 tabletter Miniklor; SpaChock

Tip: I en udendørs spa, hvor du genbruger vandet i længere perioder, anbefales det at kontrollere vandkvaliteten med regelmæssige vandanalyser.