



## Owner's Manual

<b>U-NE022</b>	<b>Nest</b>	<b>U-AU062</b>	<b>Aurora</b>
<b>U-RB062/082</b>	<b>Rimba</b>	<b>U-VT062</b>	<b>Vito</b>

EN

	  <p><b>QUESTIONS? PROBLEMS?MISSING PARTS?</b> For FAQ, Manuals, Videos or Spare Parts, please visit <a href="http://www.the-mspa.com/support">www.the-mspa.com/support</a></p>
<b>PLEASE DO NOT RETURN THE PRODUCT TO THE STORE</b>	

Due to MSpa's continuous product improvement process, MSpa reserves the right to change the specifications and appearance of its products, which may result in updates to the instruction manual without prior notice.



# ENTER THE WORLD OF MSPA

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Welcome,

Thank you for choosing MSpa and for your confidence in our brand. We believe that you will enjoy many benefits of using MSpa products for years to come.

To guide you in your initial MSpa experience, we are pleased to present you with this instruction manual. Please read this manual carefully before using the product for the first time.

We are delighted to welcome you to the MSpa family, and look forward to sharing with you the full spectrum of our expertise.

Enjoy your MSpa!



MSpa official site



MSpa Set up videos



MSpa Service Center List



MSpa Owners Manual  
(Multi-language)

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## SAFETY PRECAUTIONS

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For your own safety and that of your product, please make sure to follow the safety precautions below. Failure to follow the instructions may result in serious injury, property damage or death. Improper installation or operation will void the warranty.

**PLEASE ENSURE THAT YOU READ, UNDERSTAND AND FOLLOW  
ALL INSTRUCTIONS KEEP THIS MANUAL FOR FUTURE REFERENCE**

### DANGER

- Risk of Accidental Drowning. Extreme caution must be exercised to prevent unauthorized access by children.
- Risk of drowning. Inspect the spa cover regularly for leaks, premature wear and tear, damage or signs of deterioration. Never use a worn or damaged cover as it will not provide the level of protection required to prevent unsupervised access to the spa by a child.
- Risk of drowning. Always lock the spa cover after each use.
- Risk of injury. The suction fittings in this spa are sized to match the specific water flow created by the pump. Never operate the spa if the suction fittings are broken or missing. Never replace a suction fitting with an incompatible one.
- Risk of injury. If the supply cord is damaged, it must be replaced by the manufacturer, a service agent or a similarly qualified person in order to avoid hazards.
- Risk of Electric Shock. Do not permit any electrical appliances, such as lights, telephones, radios or televisions, within 1.5m (5 feet) of a spa tub.
- Risk of Electric Shock. Do not use the spa when it is raining, thundering or lightning.

### WARNING

- To reduce the risk of electric shock, do not use an extension cord, timers, plug adaptors or converter plugs to connect the unit to the electrical supply; provide a properly located outlet.
- This appliance with its incorporated heating elements must be connected to a grounded mains supply socket with a supply cord fitted with a plug and a PRCD (portable residual current device) with a tripping current of 10mA.
- This appliance with earthing must only be plugged directly into an earthed socket-outlet for fixed wiring.
- Parts containing live components, except those parts supplied with safety extra-low voltage not exceeding 12V, must be inaccessible to anyone using the spa.
- Parts incorporating electrical components, except remote control devices, must be located or fixed so that they cannot fall into the spa.
- Electrical installation should fulfill the local requirement or standards.
- The wired controller must be properly stored in the side pocket when not in use,, to protect it from falling or other hazards.
- To reduce risk or injury, keep children away from this product unless they are closely supervised at all times.
- To reduce the risk of child drowning, supervise children all times. Children under 10 years should be under the active supervision of a person 16 years or older whilst in spa pool area. Attach and lock the spa cover after each use.
- The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, on lack of experience and knowledge, unless they have been given supervision or instruction.

- Children being supervised not to play with the appliance.
- Make sure that the floor is able to support the expected load, which can be found on the specifications sheet. You will need to calculate the expected water capacity load plus the total weight.
- An adequate draining system must be provided around the spa to deal with overflow water.
- To reduce the risk of injury:
  - a) Lower water temperatures are recommended for young children and when spa use exceeds 10 minutes. In order to avoid the possibility of hyperthermia (heat stress) occurring, it is recommended that the average spa-pool water temperature does not exceed 40°C (104°F).
  - b) Since excessive water temperatures have a high potential for causing fetal damage during the early months of pregnancy, pregnant or possibly pregnant women should limit the spa water temperature to 38°C (100°F).
  - c) Before entering the spa or hot tub, the user should measure the water temperature with an accurate thermometer since the tolerance of water temperature regulating devices may vary.
  - d) The use of alcohol, drugs or medication before or during spa use may lead to unconsciousness with the possibility of drowning.
  - e) The use of alcohol, drugs or medication can greatly increase the risk of fatal hyperthermia in spas.
  - f) The causes and symptoms of hyperthermia may be described as follows: Hyperthermia occurs when the internal body temperature reaches a level several degrees above the normal body temperature of 37°C (98.6°F). The symptoms of hyperthermia include an increase in the body's internal temperature, dizziness, lethargy, drowsiness, and fainting. The effects of hyperthermia include a failure to perceive heat; a failure to recognize the need to exit the spa; an unawareness of impending hazards; fetal damage in pregnant women; a physical inability to exit the spa; and unconsciousness resulting in the danger of drowning.
  - g) Obese persons or persons with a history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a physician before using a spa.
  - h) Persons using medication should consult a physician before using a spa since some medication may induce drowsiness or affect the heart rate, blood pressure, or circulation.
  - i) Check with a doctor before use if pregnant, diabetic, in poor health, or under medical care.
- A recommendation that owners of spa pools learn a recognized resuscitation technique.
- This spa pool is a heated water environment and if you are concerned that it may adversely affect you it is your responsibility to seek medical advice.
- It is recommended that you use the spa pool for no longer than 15 minutes at a time.
- People with an infectious disease should not use a spa or hot tub.
- To avoid injury, exercise care when entering or exiting the spa or hot tub.
- Water temperatures in excess of 40°C (104°F) may be injurious to your health.
- Never use a spa or hot tub alone or allow others to use the spa alone.
- Do not use a spa or hot tub immediately following strenuous exercise.
- Spa heat in conjunction with alcohol, drugs, or medication can cause unconsciousness.
- Exit immediately if uncomfortable, dizzy, or sleepy. Spa heat can cause hyperthermia and unconsciousness.
- To prevent freezing, the spa must not be exposed to temperatures below 0°C (32°F) if there is still water in the pool. It is helpful to place a temperature barrier mat between the spa pool and the ground. A similar mat made of foam or any other material with a heat barrier function can also be used. Do not turn on the spa when the water is frozen.
- Never pour water with a temperature higher than 40°C (104°F) into the spa directly.
- Always unplug the product from the electrical outlet before removing, cleaning, servicing or making any adjustments.
- Never jump or dive into a spa or any shallow body of water.
- No part of the electric appliance is to be located above the bath during use.
- Do not bury the electrical cord. Locate the cord where it will not be damaged by lawn mowers, hedge trimmers or any other equipment.
- Do not attempt to plug in or unplug the product while standing in water or when your hands are wet.



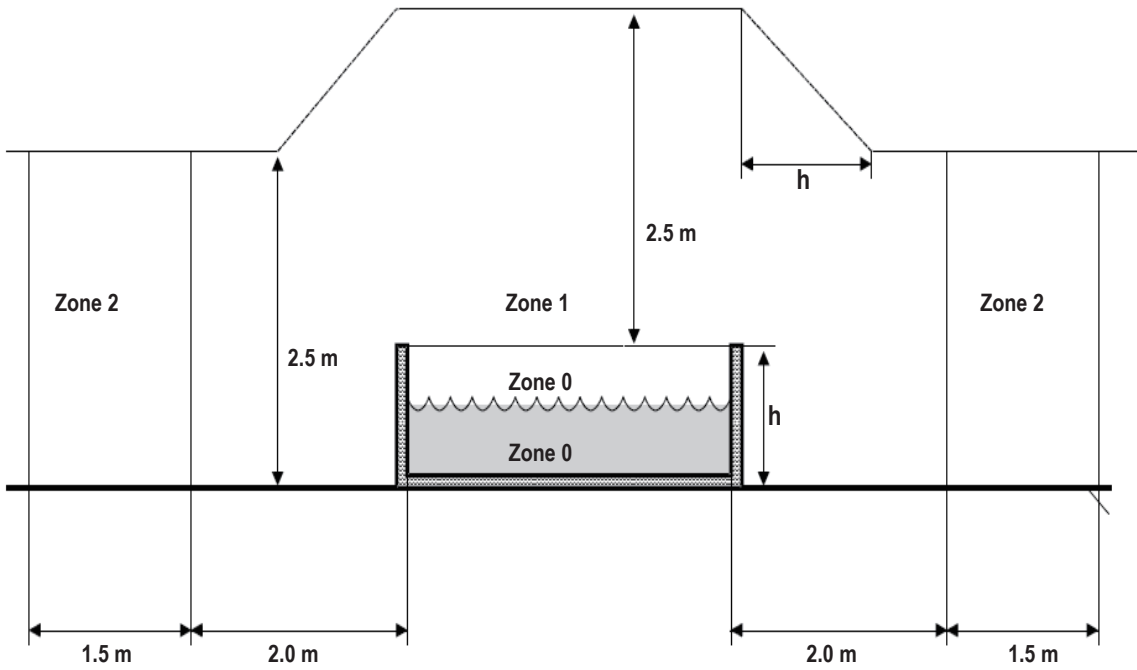
- Do not use the spa if it is damaged on delivery and/or if it malfunctions in any way.
- Contact the MSpa service center for further instructions.
- Keep all pets away from the spa to avoid any damage.
- Do not add bath oil or bath salt to the spa water.
- NEVER PUT HEAD UNDER WATER.
- Avoid swallowing the spa water.
- The spa contains a UVC emitter. To replace or repair the UVC emitter, contact a professional operator.
- Unintended use of the appliance or damage to the housing may result in the escape of dangerous UVC radiation.
- UVC radiation, even in small doses, may cause harm to the eyes and skin.

**WARNING: Do not operate the UVC emitter when it is removed from the appliance enclosure.**

### CAUTION

- Always add chemicals to water, never add water to chemicals. Adding water to chemicals may cause strong fumes or violent reactions and hazardous chemical spray.
- For water that has already been used, dispose of it promptly or use water chemicals for cleaning. Usually, it is recommended to drain and refill a spa with clean water every 3-5 days.
- Use the chemical kit for disinfection in accordance with manufacturer's instructions.
- Do not leave or set up the spa with a temperature lower than 4°C (39°F) if the heater is not operating.
- Always enter and exit the spa or hot tub slowly and cautiously. Take extra care if the floor is wet.
- To avoid damage to the pump, never turn on the spa or hot tub if it is not filled to the minimum water line.
- The spa or hot tub must only be placed on a properly prepared site that meets the floor loading requirement.
- Do not leave the spa empty for an extended period of time. Drain the spa completely if it is not going to be used for a long period of time. Do not expose the spa to direct sunlight. Check regularly before each use. When the spa is not in use, store it away immediately or keep it in an enclosed area.
- Open the spa top lid when the Bubble function is on.
- In order to avoid a hazard due to the inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- Once the spa is installed, refer to the relevant chapters for details concerning cleaning, periodic checks and other maintenance.

**Warning:** The appliance's water protection levels vary across different product zones, as shown in the following diagram. (The installation regulations comply with IEC 60364-7-702.)



**NOTE -** The measured zone dimensions are limited by walls and fixed partitions.

Zones	Description of the zones
Zone 0	Zone 0 is the interior of the basin including any recesses in the walls or floor.
Zone 1	Zone 1 is limited by <ul style="list-style-type: none"> <li>• Zone 0</li> <li>• A vertical plane 2m from the rim of the basin.</li> <li>• The floor or the surface expected to be occupied by the users.</li> <li>• The horizontal plane 2.5m above the floor or the surface.</li> </ul>
Zone 2	Zone 2 is limited by <ul style="list-style-type: none"> <li>• A vertical plane external to zone 1 and a parallel plane 1.5m from the former.</li> <li>• The floor or surface intended to be occupied by the users.</li> </ul>

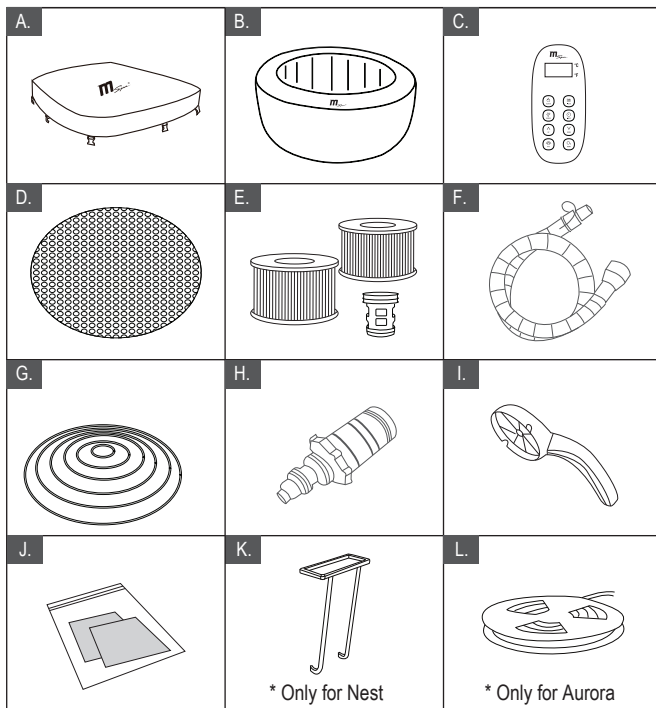
# SPECIFICATIONS

BUBBLE SPA								
Model No. / Code	Shape	Seating Capacity	Water Capacity	Outside Dimensions	Inside Dimensions	Height	Weight	Temp Increasing Rate
U-NE022 Nest	Oval	2	550 L (145 Gal.)	1.86 x 1.25 m (73.2" x 49.2")	1.46 x 0.85 m (57.5" x 33.5")	0.68m (27")	28.5 kg (62.8 lbs)	2.5-3.0 °C/h
U-AU062 Aurora	Round	6	930 L (245 Gal.)	Ø2.04 m (80")	Ø1.6 m (63")	0.70m (28")	33 kg (72.8 lbs)	1.5-2.0 °C/h
U-RB062 Rimba	Round	6	930 L (245 Gal.)	Ø2.04 m (80")	Ø1.6 m (63")	0.70m (28")	32.5 kg (71.7 lbs)	1.5-2.0 °C/h
U-RB082 Rimba	Round	8	1120 L (295 Gal.)	Φ2.24 m (88")	Φ1.80m (71")	0.70m (28")	35 kg (77.2 lbs)	1.2-1.8 °C/h
U-VT062 Vito	Square	6	930 L (245 Gal.)	1.85 x 1.85 m (73" x 73")	1.45 x 1.45 m (57" x 57")	0.68m (27")	32.5 kg (71.7 lbs)	1.5-2.0 °C/h

Control System Specs	U-NE022 / U-AU062 / U-RB062 / U-VT062
Control System	AC 220-240V~ 50Hz
Rating Power	2300W
Heater	2200W
Massage Air Blower	3 Levels (Level 1: 300W, Level 2: 500W, Level 3: 720W)
Filter Pump	1800L/hr
Integrated Ozone Generator	5.5W, 30-50mg/hr
UVC Radiant flux	2000uW
Top Lid	Rhino-Tech™ reinforced PVC
Liner Material	PVC + Premium Rhino-Tech™ reinforced PVC

# PRODUCT OVERVIEW

## Packaging contents



REF. NO.	PARTS DESCRIPTION
A	Buckle spa cover
B	Spa tub
C	Wired controller
D	Heat preservation mat
E	Filter cartridge * 2 + Filter cartridge base * 1
F	Inflation hose
G	Inflatable bladder
H	Garden hose adaptor
I	Wrench
J	Repair kit
K	Wicker side bar (Only for Nest)
L	LED light strip (Only for Aurora)

**NOTE:** The drawings are for reference only. Actual products may vary. Not to scale.  
 Use accessories exclusively provided by MSpa for safety reasons.  
 When ordering parts, be sure to quote the MSpa model number and description.

# FIRST USE AND SETUP PREPARATION

## Site preparation and requirements

- The spa can be installed indoors or outdoors in around 10 minutes by one or more persons. For household use only.
- The spa must be set up on a flat, smooth and supporting surface that is able to bear the maximum load of the filled spa with the listed maximum number of occupants. Check with a qualified contractor or structural engineer to verify the requirement.
- Make sure the area is free of sharp objects under or around the spa. Uneven or unsound surface can damage the spa and void your warranty. Level the surface before filling the spa with water.
- Provide an adequate drainage system around the spa to deal with overflow water and splashes. Provide a convenient water supply for filling the spa that complies with any local water regulations, and whose parameters shall be adjusted with the requirements of the water treatment section.
- Make sure there is enough clearance around the spa for full access to the equipment for maintenance and/or servicing.
- Consider positioning the spa to minimize noise disturbance as much as possible.

## Additional requirements for indoor installation

- Humidity is a natural side effect of indoor spa installation. The room must be properly ventilated to allow moisture to escape. Install a ventilating system to prevent excess condensation moisture in the room.
- Ensure the spa can be removed from the building without destroying any part of the built structure.
- Consider any local regulations on these topics.  
Consider not to install the spa on carpet or other floor materials that promote or harbor moisture and bacterial, or that could be affected by water treatment chemicals used in the spa.

## Additional requirements for outdoor installation

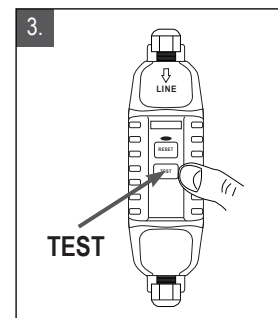
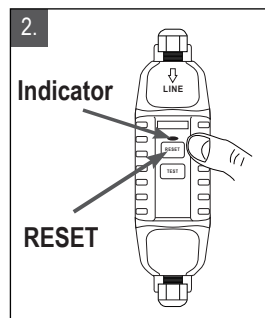
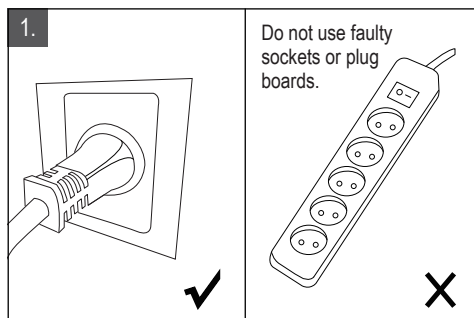
- Do not set up the spa on grass or dirt, as this will increase the amount of debris entering the spa and will damage the floor.
- To ensure a longer lifespan, do not leave the spa tub exposed to direct sunlight.
- Always keep the manometer within the yellow section when using the spa at a temperature higher than 20°C (68°F) or when exposing it to sunlight for a short time.
- Do not install or use the spa outdoors at a temperature lower than 4°C (39°F). Do not use the spa when the water inside the circulation system, pump, or pipework is frozen. Put a heat preservation mat (optional accessories) between the base of the spa and the ground to prevent heat loss from the bottom of the spa and to provide better heat retention.
- Consider local environmental conditions, such as ground water and risk of frost.

## PRCD Testing

### ⚠ WARNING

Risk of electric shock: This product is provided with a PRCD located at the end of the power cord. The PRCD must be tested before each use. Do not use the spa if the PRCD does not function properly.  
Disconnect the power cord until the fault has been identified and corrected. Contact a licensed electrician to correct the fault. There are no serviceable parts inside the PRCD. Opening the PRCD will void the warranty.

1. Plug the machine into the mains.
2. Press the **RESET** button on the PRCD. The indicator turns red.
3. Press the **TEST** button on the PRCD. The red color shown on the indicator should disappear. Otherwise the PRCD is faulty. Do not use the spa if the spa is faulty. Contact a qualified electrician to correct the fault.
4. Press the **RESET** button on the PRCD again. The indicator should turn red. When it does, the spa is ready for use.



## Spa Control Unit Connected External Equipotential Bonding Conductors

A qualified electrician should wire the spa control unit to the household equipotential terminal using a minimum 1.5mm<sup>2</sup> solid copper conductor.

# SPA SETUP

**NOTE:** Move the entire package to the selected site. Do not drag the spa tub across the ground as this can cause damage and leakage. Open the carton carefully as this can be used to store the spa over long periods or when not in use.

**NOTE:** Lay out all the parts on the ground and make sure they are all accounted for. For missing or damaged parts contact the appropriate MSpa after-sales service center.

## ASSEMBLY

### Unboxing

Take out the ground mat and spread it over the cleared area. Then spread out the spa tub over the ground cloth and point the drain valve towards a suitable draining area.

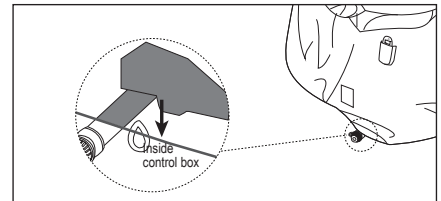
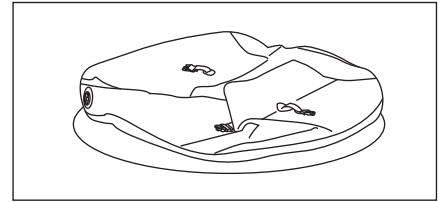
**NOTE:** Spread the ground cloth with the bubbles facing down over the cleared area where you intend to set up your spa.

### Heater Resetting:

Please reset the heater when the product is used for the first time or after a long period of storage.

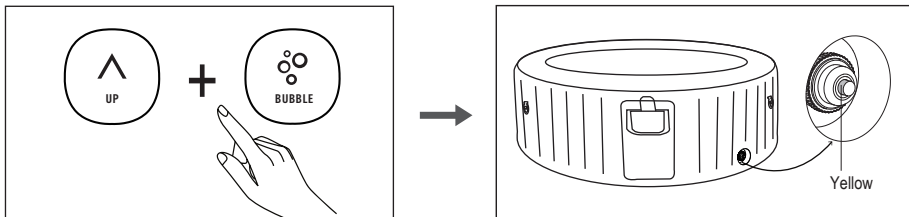
**Operation:** Find the yellow ring as shown in the picture. Pull it down gently and then release it.

**NOTE:** The heater cannot work or be reset when the water temperature or ambient temperature is higher than 40°C (104°F).



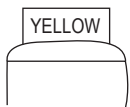
### Inflating the spa tub wall

1. Press the BUBBLE button and the UP button at the same time to start auto-inflation.
2. The inflation will automatically stop once the proper air pressure is reached. **NOTE:** You can also stop inflation at any time by pressing the BUBBLE button again.
3. The manometer should point to the yellow section after auto-inflation stops.



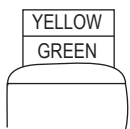
**NOTE:** Your spa will require additional air to be added from time to time. Changes in temperature from day to night will change the pressure of the spa tub and may cause a certain amount of deflation. Shut down all functions and hold down the BUBBLE button for more than 3 seconds to add more air, until the manometer points to the YELLOW section (without water) or GREEN section (with water).

**IMPORTANT: ALWAYS READ THE MANOMETER TO ENSURE THAT THE SPA IS FILLED AT THE CORRECT AIR PRESSURE FOR THE CONDITIONS.**



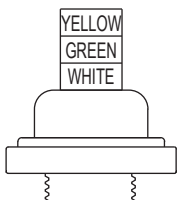
Ensure the manometer points to the **Yellow** section in the following conditions

- After inflation, before filling the water.
- When leaving the spa outdoors unattended for long periods of time at a temperature higher than 20°C (68°F).



Ensure the manometer points to the **Green** section in the following conditions

- When the spa is filled with water.
- When the spa is in use.



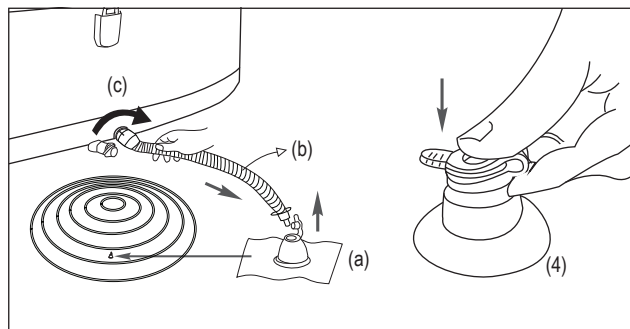
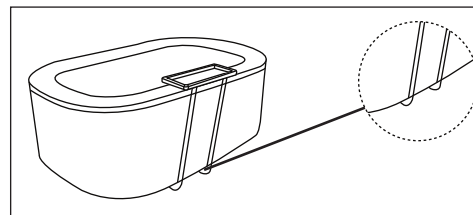
**WARNING: If the manometer points to the White section, the air pressure of your spa is too high.**

Slightly rotate the valve cap counter-clockwise to release some air. Then tighten the cap after the pointer returns to the **Green** or **Yellow** section.



## U-NE022:

For this model, a side bar is included in the package. Set up the wicker bar and place the supporting legs underneath the spa tub before filling the water. It helps keeping the oval spa in a proper shape after water filling and inflation.



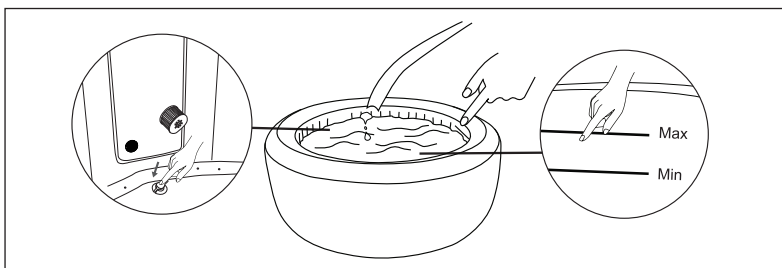
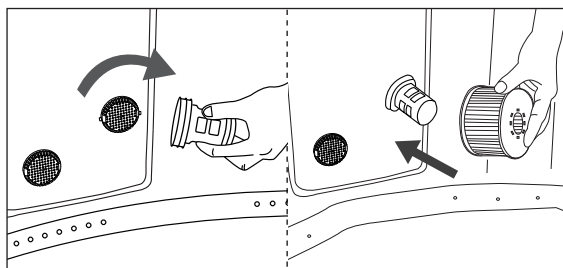
1. Open the air valve (c) on the spa pool. Ensure that you select the black one. Open the air valve (a) on the bladder. Insert the inflation hose (b) into the valve.
2. Press the **BUBBLE** button to inflate until the bladder is firm to the touch but not hard.
3. Press the **BUBBLE** button for more than 3 seconds to stop inflation. Disconnect the inflation hose from the air blower outlet and the valve.
4. Put the air valve cap (c) back in place and then close and push in the inflation valve (a).

## Installing the Filter Cartridge

1. Attach the filter cartridge base to the spa tub inlet grid (upper position) and turn it slightly to secure. **NOTE:** The filter cartridge base is designed to be screwed on and off. Never exert force as this could cause damage.
2. Put the mesh cover on the filter cartridge then attach the filter cartridge to the base.

**NOTE:** Inflate the spa tub first before installing the filter cartridge.

**NOTE:** Always use a filter cartridge when the spa is in use and filled with water.



## Filling the spa with water

1. Before filling with water ensure the bottom drain valve cap is securely closed.
2. Fill the spa tub with fresh water to a level between MIN and MAX marked on the inside of the spa wall.

**WARNING:** Do not overfill the spa.

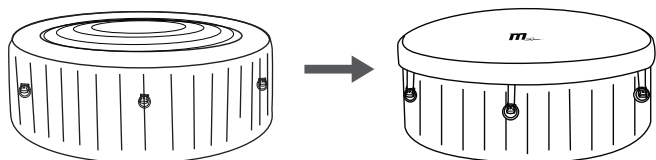
Do not operate the spa until the water reaches the MIN mark.

Never move the spa tub with water inside.

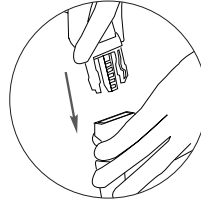
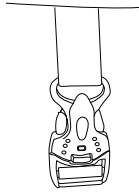
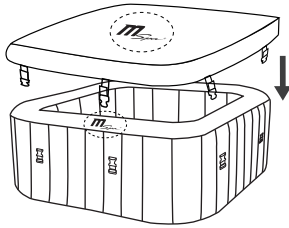
Never pour water with a temperature higher than 40 °C (104°F) into the spa directly. We recommend that you fill the spa tub with lukewarm water to heat it more quickly and save energy.

## Heating the water

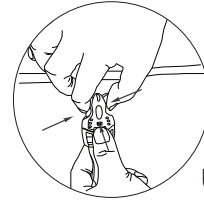
1. Place the spa air bladder and spa cover over the spa tub, make sure the spa cover buckles are locked and pull the buckled straps tight.
2. Ensure the spa is plugged into an electrical socket and see the "Controller operation" section for further details on operation.



## Buckle Lock Operation



Lock



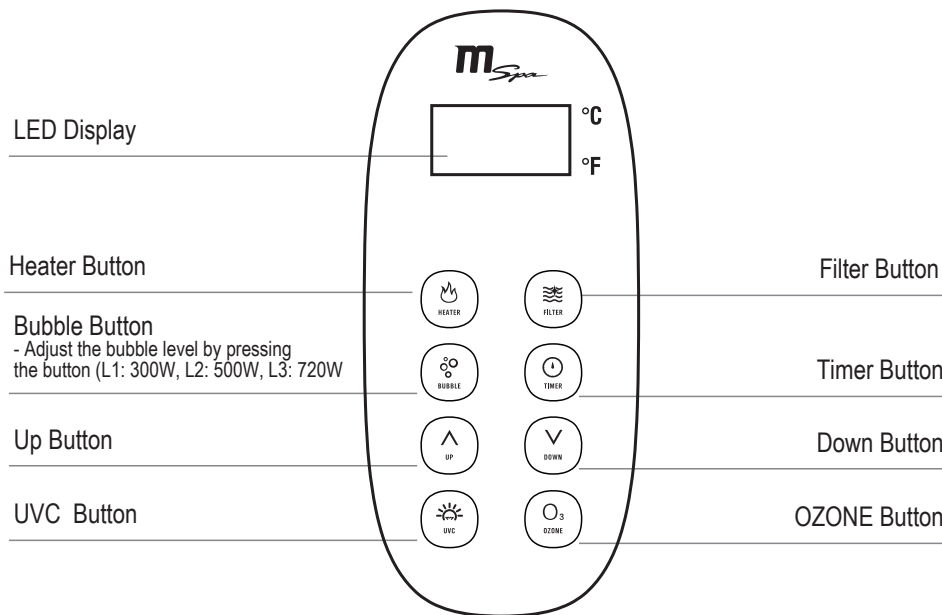
Unlock

**NOTE:** Always keep the spa cover on to minimize heat loss when heating the water.

Make sure the cover, and mostly its side facing water, will not come into contact with the ground or any other dirt when not in use.

Covers shall be cleaned inside and out periodically using a suitable solution that includes adequate disinfection (e.g. 10ml/l of free Chlorine).

## CONTROLLER OPERATION




### LED display



Once powered-up, press the **RESET** on the PRCD. The LED displays the current water temperature automatically.

**NOTE:** The actual water temperature may vary from the temperature displayed on the LED screen by as much as approximately 1°C.

### HEATING

20-40°C

1. Press the  **HEATER** button to turn the heating system on/off. When the light above the heat button is red, the heating system is activated. When the light is green, the water is at the set temperature and the heating system is at rest.

2. Pressing the  **UP** or  **DOWN** button will cause the LED to flash. When it is flashing you can adjust the water to the desired temperature setting (from 20°C to 40°C). The new and desired temperature setting will remain on the LED display for 3 seconds to confirm the new value.

**NOTE:** The default temperature is 40°C.

**NOTE:** If the heating system is turned on, the filtration system will automatically start.

**NOTE:** When the water temperature is below 1°C (33.8°F), the anti-icing system will be activated automatically to heat the water to 3°C (37.4°F).

**IMPORTANT:** The following conditions will lead to slow water heating

- An ambient temperature lower than 10°C (50°F).
- An outdoor wind speed above 3.5-5.4m/s (8-12mph).
- If the air bubble function is activated when the heater is on.
- If the spa cover is not properly in place when the heater is on.



## FILTRATION

Press the  **FILTER** button to turn the function on/off. The light turns to green when the function is activated.

**NOTE:** The filtration system will automatically start when the heating, Ozone or UVC sanitizing system is activated.


**NOTE:** After turning off the heating system, the filtration system will automatically stop in 30 seconds.

**Filter Cartridge Cleaning Reminder:** When the FILTER button is flashing or displays red, the filter cartridge must be cleaned or replaced. Once this has been done, press the Filter button for 3 seconds to reset the reminder.

**Auto-filtration:** When the spa is in stand-by mode, the filtration system will operate automatically for 60 minutes every 8 hours.



## BUBBLE MESSAGE

Press the  **BUBBLE** button to turn the function on; hold down the BUBBLE button for 3 seconds to turn the function off. The BUBBLE button displays green when activated.

The bubble setting can be adjusted to three different levels. The default setting is at level 2 (500W). Press the **BUBBLE** button to switch the setting to level 3 (720W). Press it again to switch to level 1 (300W).

**IMPORTANT:** Do not turn on the massage system when the cover is attached. Air can accumulate inside the spa and cause irreparable damage and bodily harm.




**NOTE:** The bubbling massage function will shut down automatically after every 20 minutes of operation as a safety precaution. This can be reactivated after 10 minutes by pressing the BUBBLE button again.



1-99H

## HEATING TIMER

To set the number of hours **FROM NOW** when the heater will activate:

1. Press the  **TIMER** button to enter pre-setting mode. The button displays green.
2. Pressing the  **UP** or  **DOWN** button will cause the LED to flash. While it is flashing, you can adjust the number of hours before heater activation (from 1 to 99 hours). The desired timer setting will remain on the LED display for 3 seconds to confirm the value.


**To modify the timer setting:** Press the **Timer** button again and use the **UP** or the **DOWN** button to adjust.

**Cancel the setting:** Press the **TIMER** button for 3 seconds.

**NOTE:** Activating the heating system or rebooting the spa will cancel the timer setting.




## UVC SANITIZER

Press the  **UVC** button to turn the UVC sanitizing system on/off. When the light above this button is green, the UVC sanitizing system is activated.

**NOTE:** The UVC emitter is built inside the control box. Therefore, the function can be turned on at any time, even with people inside the spa.



## OZONE


Press the  **OZONE** button to turn the function on/off. The OZONE button displays green when the function is activated. The Ozonator will shut down automatically after operating for 2 hours.

**NOTE:** For your own safety, do not bathe in the spa when the OZONE function is turned on. The OZONE function cannot be turned on when the JET or BUBBLE function is on. We suggest turning on the function after using the spa.



3s



## Celsius/Fahrenheit Toggle Button

The temperature can be displayed in either Celsius or Fahrenheit. Press the  **DOWN** button for 3 seconds to toggle between the two options.



3s

## SAFETY LOCK

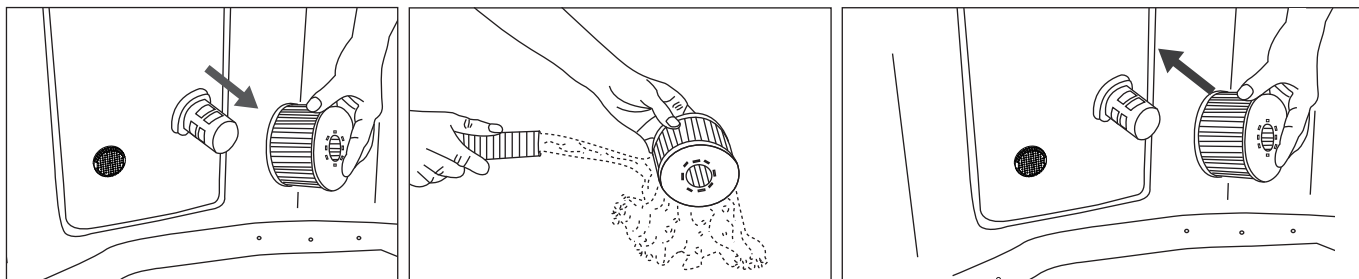
Press the  **UP** and  **DOWN** buttons at the same time for 3 seconds to lock/unlock the controller. In safety lock mode, the controller is disabled and the spa retains all previous settings.

# WATER MAINTENANCE AND CHEMICALS

**CAUTION: ALWAYS ENSURE THE SPA IS UNPLUGGED BEFORE BEGINNING ANY MAINTENANCE WORK TO AVOID THE RISK OF INJURY OR DEATH.**

## FILTER CARTRIDGE MAINTENANCE

1. Inspect and clean the filter cartridge gently after each use. Follow the steps below:



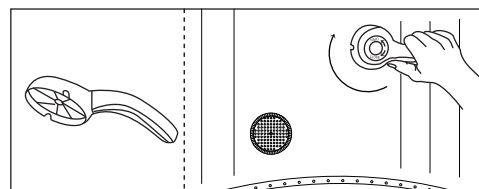
**NOTE:** Change the filter cartridge every 3-5 days, or if the filter cartridge remains soiled and discolored.

**NOTE:** When the spa is filled with water, there should always be a filter cartridge installed on the base.

**NOTE:** Turn off all the functions before changing or cleaning the filter cartridge.

2. If the spa's inlet or outlet becomes clogged with dirt, use the wrench to unscrew the cap and then clean as necessary.

**NOTE:** Before unscrewing the part, make sure the spa is empty. Never unscrew it when the spa is filled with water!



## SPA WATER

1. Change the spa water every 3-5 days depending on use. If dirt is visible in the water or if the water becomes cloudy and the correct water chemistry does not clear it up, change the water and clean the spa tub. See the "Cleaning, draining and storage" section for instructions.
2. We recommend taking a shower before using the spa, as cosmetic products, lotions and other residues on the skin can quickly degrade the water quality.
3. When the spa is not in use, cover it with the buckle cover to prevent pollution.
4. Use spa chemicals to maintain the proper water conditions. Spa damage resulting from the misuse of chemicals or the mismanagement of spa water is not covered by the warranty. Consult with your local spa or pool retailer for more information on chemical use.

## Water Sanitation

The spa owner must regularly check and keep the spa water sanitized with scheduled maintenance (daily, if necessary). Adding sanitizer or other chemicals will control bacteria and the reproduction of viruses in the spa water. Maintaining the correct water balance through the appropriate use of sanitizers is the most important factor in maximizing the life and appearance of the spa and ensuring clean, healthy and safe water.

Adopting the proper technique is important for testing and treating the spa water. Contact your spa professional if you have any questions on chemicals, sanitizers, test kits or test procedures.

## Water Balance

Follow the instructions below to maintain your spa water.

PARAMETER	TEST FREQUENCY	CORRECT LEVEL
pH	Daily	7.2-7.6 when using Chlorine; 7.2-7.8 when using Bromine
Free Chlorine	Daily	3-5 ppm
Bromine residual	Daily	2-4 ppm
Total Alkalinity (TA)	Weekly	80-120 ppm
Total Hardness (TH)	Weekly	200-500 ppm

## NOTE

- A low pH will damage the spa tub and pump. Any damage resulting from a chemical imbalance will void the warranty.
- A high pH (hard water) will result in white coagulations inside the filter pump, which may lead to pump damage.

## Water Treatment:

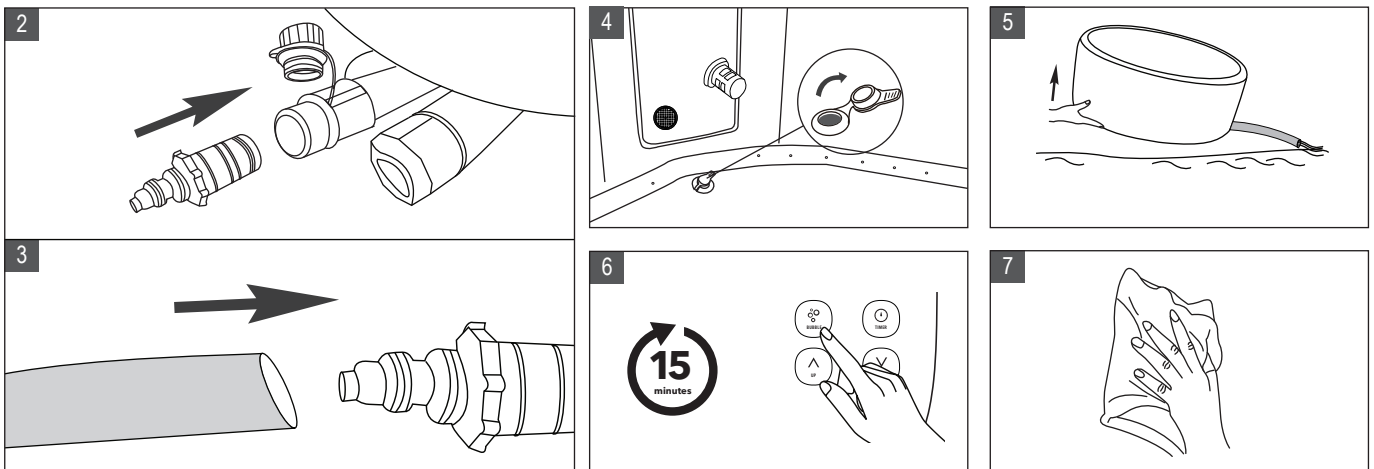
- It is good practice with an existing spa to keep all air jets open and valves closed to allow chemically treated water to flush through all pipework.
- Always follow the chemical manufacturer's directions, and the health and hazard warning.
- Never mix chemicals together. Add the chemicals to the spa water separately. Thoroughly dissolve each chemical before adding it to the water.
- Please note that chlorine and bromine products should never be mixed. This is extremely dangerous. If you usually use chlorine-based products and you want to switch to bromine-based products, or vice versa, it is essential that you change the spa water first.
- Do not add chemicals if the spa is occupied. This can cause skin or eye irritation.
- Do not overuse chemicals or use concentrated chlorine. This can damage the spa tub and cause potential hazard to your skin. Improper chemical use will void the warranty.

## DRAINAGE, CLEANING AND STORAGE

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### Spa Drainage

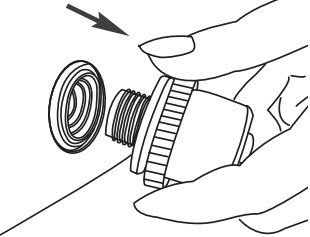
1. Turn off all the functions.
2. Connect the drain valve adaptor to a garden hose and point the other end of the garden hose to a suitable draining area.
3. Remove the drain valve cap from the outside of the spa tub and attach the drain valve adaptor to the drain valve.
4. On the inside of the spa tub, open the drain valve cap. Water will start flowing out from the garden hose.
5. When the water stops draining, lift the spa tub wall from the side opposite the drain, directing any remaining water to the drain and emptying the spa completely.
6. Press the BUBBLE button to dry the spa pool.
7. Use a clean towel to wipe up any remaining water and moisture on the spa tub and spa control unit. Ensure the spa tub and spa control unit are thoroughly dried.



### Cleaning The Spa Tub

If dirt is visible in the water or if the water becomes cloudy and the correct water chemistry does not clear it up, change the water and clean the spa tub. See the "Spa tub drainage" section on how to drain the spa. While empty, clean and/or replace the filter cartridge. Use a sponge and mild soap solution to wipe away any soil or stains on the inside of the spa wall. Rinse thoroughly before refilling with clean water.

**IMPORTANT:** Do not use steel wool, hard brushes or abrasive cleaners.



### Deflation Instructions

#### Spa deflation

1. Unscrew the valve completely to deflate the spa.
2. Once deflation is completed, replace the cap.

#### Spa Bladder Deflation

1. Open the valve cap to deflate the bladder. For quick deflation, insert the straw (included in the repair kit) into the valve.
2. Once the deflation is completed, re-place the cap back.

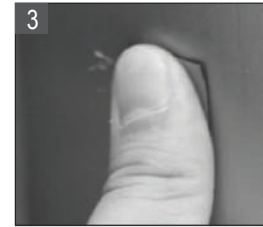
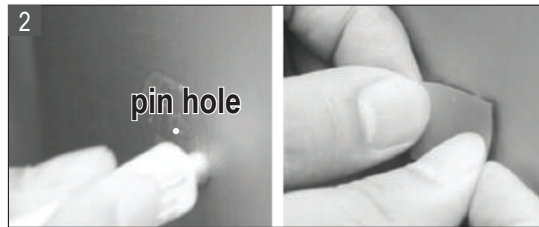


## Spa Tub and Air Bladder Repair

Use the enclosed repair patch to repair any puncture:

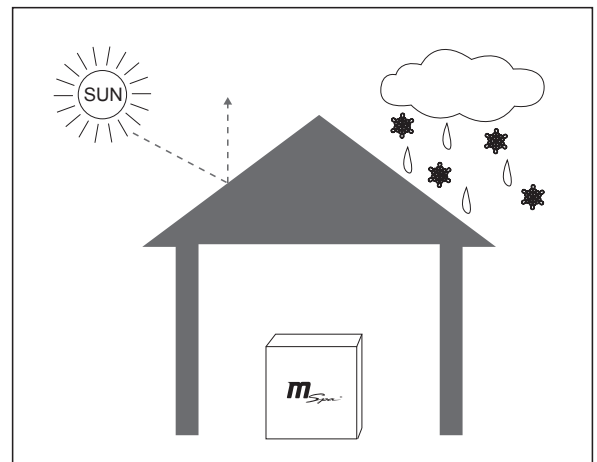
1. Clean and dry the area to be repaired thoroughly
2. Apply the glue to the PVC patch and quickly attach it onto the damaged surface. (Glue is not included)
3. Smooth the surface to remove any air bubbles and allow it dry for 5-10 minutes

**NOTE:** Glue is not included.



## Storage and Preparation for Future Use

1. Drain and clean the spa by following the "Drainage" and "Spa Cleaning" sections.
2. Reserve the set up instructions to deflate and disassemble the spa tub, spa control unit and air bladder.
3. Make sure all the spa components and accessories are thoroughly clean and dry before storage. Air-dry the spa tub in the mild sun for an hour before folding.
4. Fold the spa tub loosely and avoid any sharp corners to prevent damage or leakage to the spa liner.
5. Prepare new additional cartridge for next time use.
6. Store the spa and accessories in a dry, temperature-controlled environment, between 0°C and 40°C (32°F - 104°F). We recommend storing the spa with desiccant.
7. The original packaging is recommended for storage.
8. After long-term storage, fill the spa with clean water and sanitizer, and turn on the FILTER for at least 1 hour before use.



## PRECAUTIONS FOR SEASONAL USE

Inflatable hot tubs are made of reinforced PVC material, whose nature decides the hot tubs are easily affected by weather and temperature. Please do pay special attention when using the spa under different seasonal conditions.

### In Summer / Sunny days

Direct sunshine and hot weather will both lead the spa liner to expand.

- To extend the service life of the spa, it is suggested to place the spa in a sheltered place.
- Please check the air pressure regularly. The manometer should always point to the Green section when spa is filled with water. When leaving the spa outdoors unattended for long periods of time, release some air until the manometer points to the Yellow section. This will prevent the spa liner from expanding too much due to rising temperature during the daytime.
- To protect your skin from sunburn, it is highly recommended to enjoy the spa in the morning or evening when the sunlight is milder and temperature is more comforting.
- Check the water temperature and consider lowering it for the times when the spa is not in use. Turn off the heater entirely if not using the spa for an extended period of time.

### In Winter

#### Inflation

Low temperature will harden the PVC material and make it more fragile.

- The new spa might have been stored or transported at a low temperature (below 4°C / 39°F) before it is unfolded. Put the package indoors or somewhere warm for 12 hours to soften the material before use.
- The lower the temperature is, the more air the spa tub will require, and the longer the inflation will take. After water is heated to a much higher temperature, the air inside the chamber will get swollen. To shorten the inflation period, and to reduce the expansion of the spa liner, we suggest inflating the spa at a temperature higher than 15°C / 59°F. If the ambient temperature is below 0°C / 39°F, the spa should not be inflated.

- \*In rare cases – usually happens when inflate the spa around 0°C/39°F, the auto-inflation will stop before reaching the required pressure. This is because the inflation takes too long that it reaches the time limitation set to prevent the spa from over-inflation. Simply press Bubble and Up button again will reactivate the auto-inflation.

### Heating and Heat Preservation

In cold weather, heating the water up will take much more time. It is suggested to:

- Fill the spa tub with lukewarm water (not higher than 40°C / 104°F) to get it heated it more quickly.
- Use ground mat and inflatable bladder for better heat preservation effect.
- When the outdoor temperature is below 4°C(39°F), even when not using the spa, as long as it is filled with water, the heater should always be turned on (or put the spa in stand-by mode) to prevent water from freezing.
- Your spa is equipped with an Anti-icing System. Put the spa in stand-by mode, when the water temperature falls below 1°C/33.8°F, the heater runs automatically until the water is heated up to 3°C/37.4°F. This will help prevent water from freezing. If you are not going to use the spa in near future, please disassemble the spa and store it following the storage procedure.

### In Rainy days

MSpa has an IPX5 water-resistant rating, meaning it can resist a sustained, low-pressure water spray. Therefore, the spa can be placed outdoors in light rain.

However, if you still insist on using the spa without any rainproof facilities above, do not turn on the bubble function. This is because the rain in the air is also sucked into the pump, causing the bubble generator to get damp and rusty which could result in malfunction and void your warranty.

Although the plug also has an IPX5 rating, it is recommended to put it somewhere not exposed to rain to prevent damage caused by water accumulation due to excessive rain.

## DISPOSAL AND ENVIRONMENTAL PROTECTION



This marking indicates that the product should not be disposed of with other household waste. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle the product responsibly to promote the sustainable reuse of material resources. Information on disposal can be obtained from your local authorities.

To return your used device, please use the return and collection systems or contact the retailer where the product was purchased for environmentally safe recycling.

## TROUBLESHOOTING

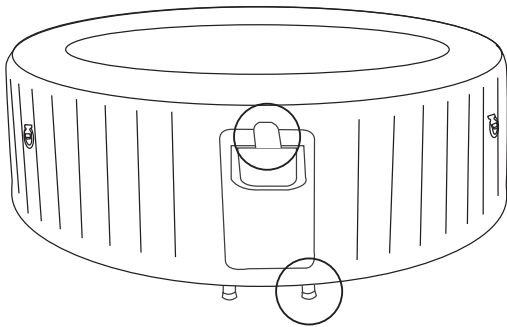
### ERROR CODE CHART

LED READING	CAUSE	SOLUTION
--- / 888 / EEP	Signal wire is loose	Contact the MSpa Service Center
	Communication failed	Contact the MSpa Service Center
F0	Water temperature is below 0°C (32°F) or exceeds 50°C (122°F)	Change the water
	Temperature sensor failure	Contact the MSpa Service Center
F1	F1 immediately shows after pressing FILTER , HEATING or UVC	Clean the parts and tubes that the water goes through
	F1 shows 15s after pressing FILTER, HEATING or UVC	1. Add more water to the minimum line 2. Clean the parts and tubes that water goes through 3. Contact the MSpa Service Center

PROBLEM	CAUSE	SOLUTION
<b>NO DISPLAY ON THE CONTROL PANEL</b>	Power socket failure	Change a socket or repair the socket before use
	PRCD is off	Reset the PRCD by following the PRCD Testing section
	Press the Reset button, controller is not displayed	Contact the MSpa Service Center
	PRCD broken	Contact the MSpa Service Center
<b>SPA LEAKING</b>	Spa in&outlet connection not securely tight	Tighten the in&outlet connection
	Drainage valve is not closed completely	Close the drainage valve. Contact the MSpa Service Center, if spa is still leaking
	Water leaks from the spa pool body	Repair the leaking hole/split with the repair kit material
<b>NOT HEATING PROPERLY</b>	Temperature set too low	Set a higher temperature
	Dirty filter cartridge	Clean or replace the filter cartridge
	Water level is not at the minimum water line	Add more water to the minimum line
	Heater failure	Contact the MSpa Service Center
	Filter pump DOES NOT WORK	Refer to the "FILTER PUMP DOES NOT WORK" section
	Temperature protection switch trip off	Reset the heater
<b>SPA LOSES AIR</b>	Air valve is loose	Inflate the spa till Yellow section of the manometer is pushed out. Make sure the valve is screwed tightly. Replace the valve if necessary.
	Hole or split on the spa tub	Fill a squirt bottle with soapy water and spray on the seams. If there is a leak, small bubbles will come out. When you have located the leak, clean and dry the leaking area, then use the repair patch supplied with your spa. Check the repair section on P15.
<b>WATER NOT CLEAN</b>	Water has been used for long period of time	Change the water
	Insufficient filtration time	Extend the filtration time
	Dirty filter cartridge	Clean or replace the filter cartridge in time
	Improper water maintenance	Refer to the chemical manufacturer's instructions
<b>SPA TUB IN AN ABNORMAL SHAPE</b>	Extra air pressure due to strong sunlight	Check the air pressure and release air if necessary During hot weather, it is advisable to check whether some air should be released to avoid any possible damage to the spa pool.
<b>NO BUBBLE</b>	Auto-off 10 minutes	Wait for 10 minutes and turn on the Bubble button again
	Internal parts damaged	Contact the MSpa Service Center
	One-way valve broken	Contact local MSpa Service Center
<b>FILTER PUMP DOES NOT WORK</b>	Filter cartridge clogged by dirt or other objects	Clean or replace the filter cartridge
	Filter system failure	Contact the MSpa Service Center
<b>OZONATOR FAILURE</b>	Water level is below the minimum water line	Add water above the minimum line
	Internal parts damaged	Contact the MSpa Service Center
	Filter pump does not work	Refer to "FILTER PUMP DOES NOT WORK" section
<b>AUTO-INFLATION FAILURE</b>	Spa doesn't start inflation	Contact the MSpa Service Center
	Spa doesn't stop inflation	Contact the MSpa Service Center

Where can I find the serial number?

At the back of controller. Or at the foot of the control box.



How can I find my service contact?

\* Scan the QR code below or visit <https://www.the-mspa.com/after-sales>.

1. Input the serial number of your spa.
2. The corresponding service provider will be displayed.



\* You can find the contact information of local service center on the back of the warranty card.

CONTACT YOUR LOCAL MSPA DEALER OR SERVICE CENTER FOR ANY PRODUCT-RELATED QUESTIONS OR PROBLEMS.

## MSPA LIMITED WARRANTY

MSpa® has been manufactured with reliability and simplicity in mind. All products have been inspected and found free of defects prior to leaving the factory.

MSpa guarantees this product against any defects identified in the material or workmanship for a period of: **ONE (1) Year**.

The warranty period begins on the date of purchase and MSpa requires presentation of the original proof of purchase to ascertain the date. During the warranty period, MSpa will either repair or replace, at its discretion, any defective products. Replacement products or repaired parts will be warranted for only the unexpired portion of the original warranty.

### Shipping Policy

Consumers are responsible for the shipping/freight when return the defect parts to MSpa authorized service center or ORPC-Oriental Recreational Products (Shanghai) Co., Ltd.

### Warranty Policy

- This limited warranty does not apply to any defect resulting from negligence, accident, misuse, or any other reason beyond MSpa's reasonable control, included but not limited to: normal wear and tear, negligence or failure to follow the product instructions, improper or inadequate maintenance; connection to an improper power supply; chemical water damage, loss of pool water, unauthorized product modification or repair; use for commercial purposes; fire, lightning, flood or other external causes.
- This warranty is valid only in the country of purchase in such countries where MSpa sells and services the same model with identical technical specifications. Warranty service outside the country of purchase is limited to the terms and conditions of the corresponding warranty in the country of service. Where the cost of repairs or replacement is not covered by this warranty, MSpa will advise the owners and the cost shall be charged to the owner.
- This warranty only applies to the original purchaser and terminates upon any transfer of ownership.
- All repairs for which warranty claims are made must be pre-authorized by ORPC through an accredited distributor or agent provided that the defective part be returned to the distributor or agent Transportation Prepaid, if requested.
- The authorized selling dealer is responsible for all in-field service work carried out on your MSpa product. ORPC will not be liable for the cost of any workmanship carried out by an unauthorized service person.
- Products marked with both MSpa and importer are governed exclusively by the warranty provided by the importer.

### Warranty Registration

Please Always keep the purchase receipt and warranty card in case of a future warranty inquiry. All claims must be submitted to an MSpa authorized dealer or service partner. It is essential that all submitted claims provide all the necessary information, including Customer name, Purchase receipt, Serial No., Product No., Problem, and Parts requested.