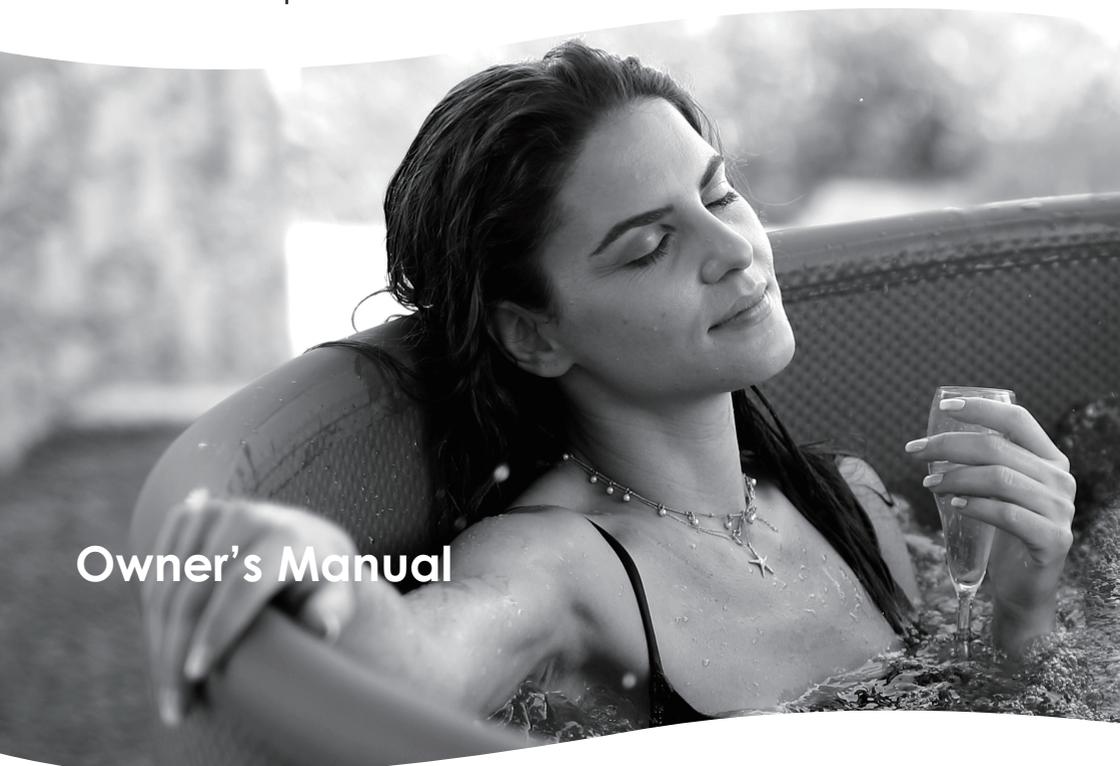




Where Luxury Is Affordable

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Owner's Manual

MONO

C-MO049 / C-MO069

EN

DO NOT RETURN MERCHANDISE TO YOUR DEALER STORE DIRECTLY.
CALL MSPA AFTER SALES SERVICE CENTER FOR PRODUCT QUESTIONS
OR CONTACT MSPA AT info@the-mspa.com

Due to MSPa continuous product improvement, MSPa reserves the right to change specifications and product appearance, which may result in updates to the instruction manual without notice.



ENTER THE WORLD OF MSPA

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 carefully and thoroughly read this manual entirely 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

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SAFETY PRECAUTIONS

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

READ, UNDERSTAND AND FOLLOW ALL INSTRUCTIONS KEEP THE 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 leak, premature wear and tear, damage or signs of deterioration. Never use a worn or damaged cover: 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. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Risk of Electric Shock. Do not permit any electrical appliances, such as a light, telephone, radio or television 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 electric supply; provide a properly located outlet.
- This appliance with incorporated heating elements must be connected to a ground mains with a supply cord fitted with a plug and PRCD with a tripping current of 10mA.
- This appliance with earthing must only be plugged directly into an earthed socket-outlet of the fixed wiring.
- Parts containing live parts, except parts supplied with safety extra-low voltage not exceeding 12V, must be inaccessible to occupants in the spa.

- Parts incorporating electrical components, except remote control devices, must be located or fixed so that they cannot fall into the spa.
- Electric installation should fulfill the local requirement or standards.
- The wired controller shall be properly stored at the side pocket when not used, to protect the controller from falling or other factors.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- To reduce the risk or injury, do not permit children use this product unless they are closely supervised all times.
- To reduce the risk of child drowning, supervise children all times. Attach and lock spa cover after each use.
- Make sure the floor is capable of supporting the expected load, which you can find from the spec sheet, calculate the expected load of water capacity plus total weight.
- 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 temperature of spa-pool water should 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 spa water temperatures to 38°C(100°F).
 - c) Before entering a spa or hot tub the user should measure the water temperature with an accurate thermometer since the tolerance of water temperature regulating devices varies.
 - 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 temperature of body reaches a level

several degrees above the normal body temperature 37°C(98.6°F). The symptoms of hyperthermia include an increase in the internal temperature of body, dizziness, lethargy, drowsiness, and fainting. The effect of hyperemia include failure to perceive heat; failure to recognize the need to exit spa; unawareness of impending hazard; fetal damage in pregnant women; 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 problem, 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 while other medication may affect heart rate, blood pressure, and circulation.
 - i) Check with doctor before use if pregnant, diabetic, in poor health, or under medical care.
- People with infectious disease should not use a spa or hot tub.
 - To avoid injury exercise care when entering or existing the spa or hot tub.
 - Water temperature 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.

Do not put the spa under 0°C(32°F) environment in order to avoid freezing if there is still water in the pool.

It's helpful to put temp barrier mat in between the spa pool and the ground. Similar mat which is made of foam material or other materials with heat barrier function can also be used. Do not turn on the spa when the water is frozen.

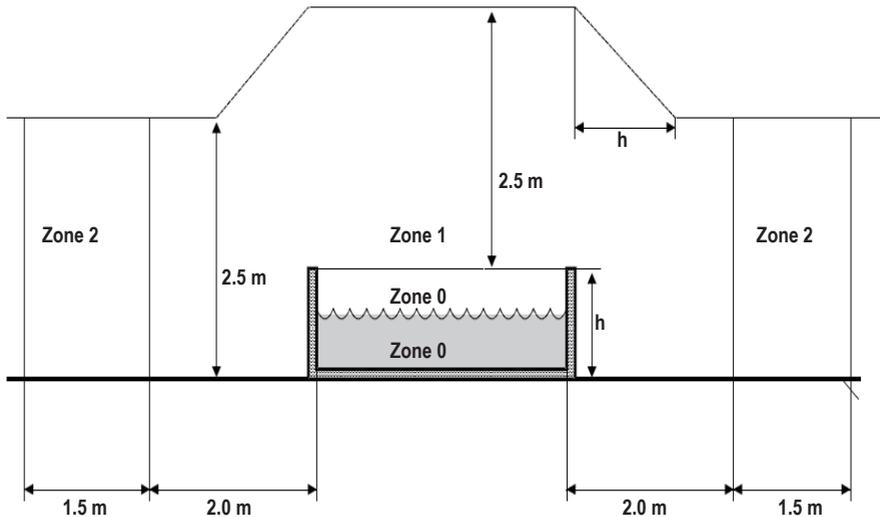
- Never pour water with a temperature higher than 40°C(104°F) into the spa directly.
- Always unplug this product from the electrical outlet before removing, cleaning, servicing or making any adjustment to the product.
- Never jump or dive into a spa or any shallow body of water.
- No part of the electric 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 and other equipment.

- Do not attempt to plug in or unplug this product while standing in water or when your hands are wet.
- Do not use the spa if damaged in delivery and/or malfunctioning in any way.
- Contact the MSpa service center for further direction.
- Keep all pets away from the spa to avoid any damage.
- Do not add bath oil or bath salt to the spa water.

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 already used, discharge it in time or use water chemicals for cleaning. Usually, change water every 3-5 days.
- Use Mspa chemical kit for disinfection in accordance with manufacture's instructions.
- Do not leave or set up the spa in temperature lower than 4°C(39°F) if heater is not operating.
- Always enter and exit the spa or hot tub slowly and cautiously. Caution of wet floor.
- To avoid damage to the pump, never turn on the spa or hot tubs unless it is filled with water to the minimum water line.
- Place the spa or hot tub only on a properly prepared site that can withstand the floor loading requirement of the spa.
- Do not leave the spa empty for extended period of time. Drain away water inside the pool thoroughly for long time disuse. Do not expose the spa under direct sunshine. Check regularly before each use. Put away the spa or fence it up in time after using.
- Open the spa top lid when the Bubble function is on.
- In order to avoid a hazard due to 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.
- Refer to relevant chapter for details concerning cleaning and other maintenance.

Warning: Water protection levels of appliance at different product zones are different see the following scheme. (**Installation regulations comply to 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 their walls or floors.
Zone 1	Zone 1 is limited by <ul style="list-style-type: none"> • Zone 0 • A vertical plane 2m from the rim of the basin. • The floor or the surface expected to be occupied by persons • The horizontal plane 2.5m above the floor or the surface
Zone 2	Zone 2 is limited by <ul style="list-style-type: none"> • A vertical plane external to zone 1 and parallel plane 1.5m from the former. • By the floor or surface intended to be occupied by persons.

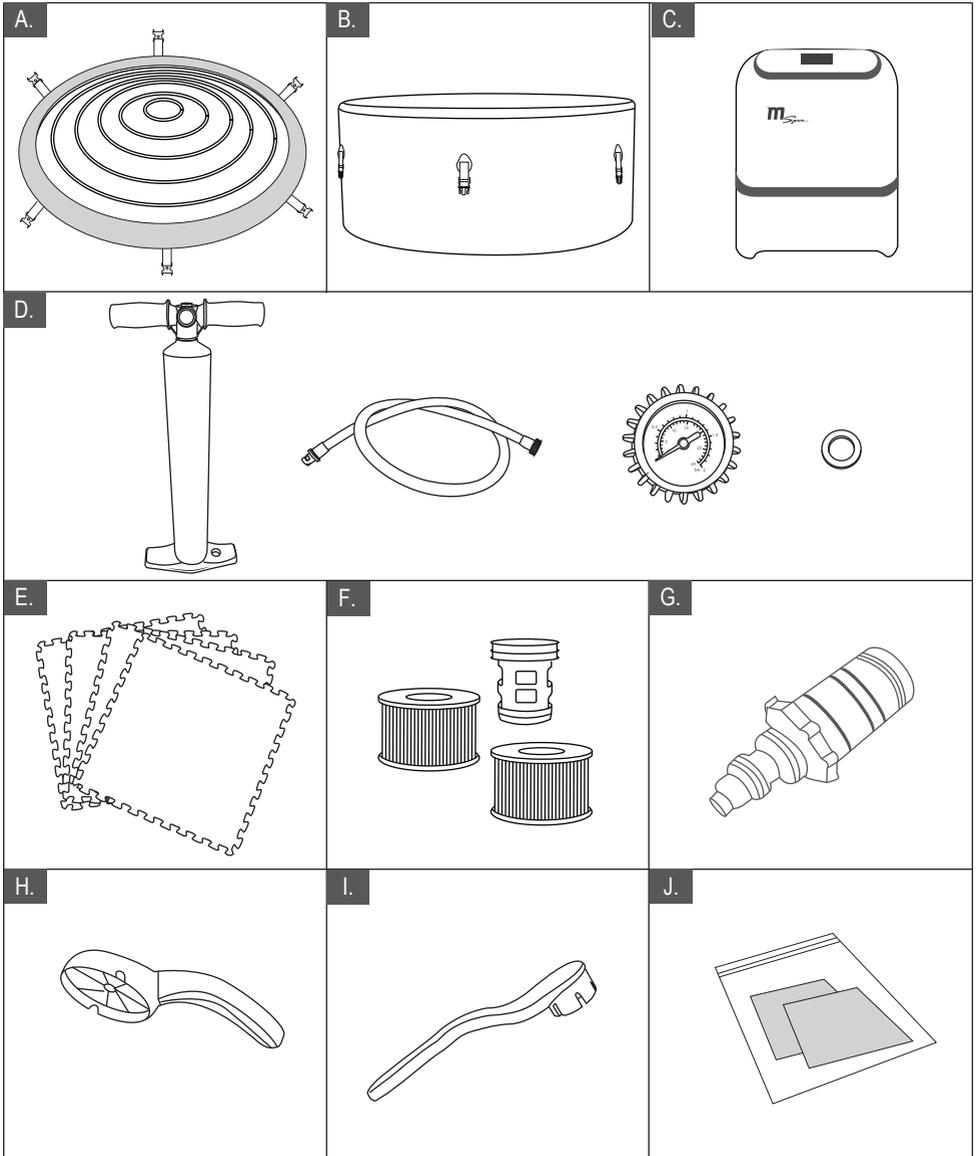
SPECIFICATIONS

BUBBLE SPA							
Model No. / Code	Shape	Seating Capacity	Water Capacity	Outside Dimensions	Inside Dimensions	Height	Weight
C-MO049 Mono	Round	4 	720 L (190 Gal)	φ1.53m 60"	φ1.43m 56"	0.65m 26"	34.5kg (76lbs)
C-MO069 Mono	Round	6 	930 L (245 Gal)	φ1.73m 68"	φ1.63m 64"	0.65m 26"	37kg (81.5lbs)

Control System Specs	C-MO049 / C-MO069
Control System	AC 220-240V~ 50Hz
Total Power	2300W
Heater	1500W
Massage Air Blower	720W - 3 Levels (Level 1: 300W, Level 2: 500W, Level 3: 720W)
Filter Pump	12V/60W
Integrated Ozone Generator	5.5W, 30-50mg/Hr

PRODUCT OVERVIEW

Packaging content



NOTE: Drawings for illustration purpose only. Actual product may vary. Not to scale.

REF. NO.	PARTS DESCRIPTION	QTY.
A	SPA cover with buckle and inflatable bladder	1
B	Spa tub	1
C	All-in-one Control Box	1
D	23.5" high pressure pump, inflation hose, pressure gauge, seal ring	1
E	Heat preservation foam mat	9
F	Filter cartridge*2, cartridge base	1
G	Spa drain valve adaptor	1
H	Wrench for inlet and outlet	1
I	Wrench for inflation valve	1
J	Repair kit	1

NOTE: When ordering parts, be sure to quote the model number, part numbers and description.

FIRST USE AND SET-UP PREPARATION

Site preparation and requirements

- The spa can be installed indoor and outdoor around 15 minutes by at least one person. For household use only.
- The spa must be set up on a flat, smooth and supporting surface that is capable of supporting the maximum load of the filled spa with listed maximum occupants.
- Make sure the area is free of sharp objects under or around the spa. Uneven or unsound surfaces can damage the spa and void your warranty. Level the surface before filling spa with water.
- Provide adequate drainage system around the spa to deal with overflow water and splashes.
- Make sure there is enough clearance around the spa for full access to the spa equipment for maintenance and/or service.

Additional requirements for indoor installation

- Verify the supporting floor can support the filled weight of spa with maximum number of occupants. Check with a qualified contractor or structural engineer to verify the requirement.
- Make sure the floor is water resistant and provides non-slip surface. Do not install the spa on a carpet of any other material that could be damaged by the moisture.
- Humidity is a naturally side effect of indoor spa installation. The room shall be properly ventilated to allow moisture to escape. Install a ventilating system to prevent excess condensation moisture in the room.

Additional requirements for outdoor installation

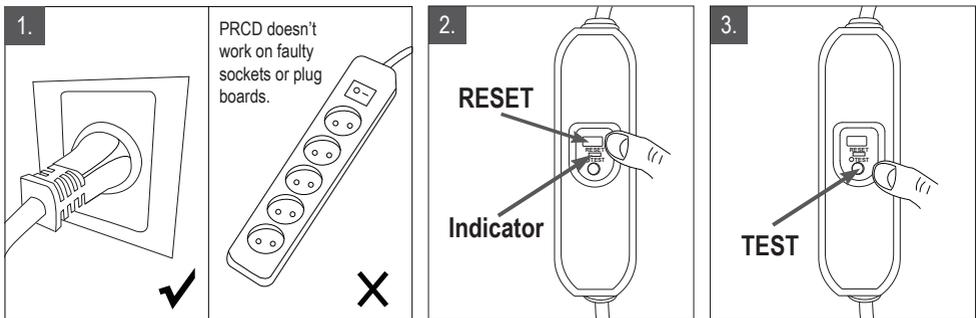
- Make sure to set up the spa on a firm, level and smooth surface that is strong enough to support the full weight of the filled spa and maximum occupants.
- Do not set up the spa on grass or dirt, as this increases the amount of debris entering the spa, and can damage the spa floor.
- Do not leave the spa tub exposed to direct sun light for long timespan
- Always keep the manometer on yellow section when using the spa at a temperature higher than 20°C (68°F) or exposed to sunlight for a short time..
- Do not install or use the spa outdoor at a temperature lower than 4°C (39°F). Do not use the spa when the water inside the circulation system, the pump, and the pipes is frozen. Put a Heat Preservation Mat in between the spa bottom and the ground to prevent heat loss from the bottom of the spa and to provide better heat retention.

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. If yes, the spa is ready for use.

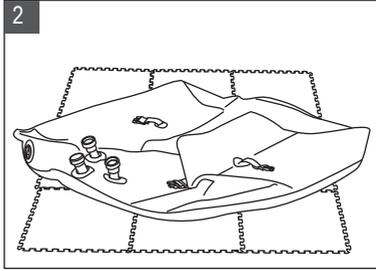
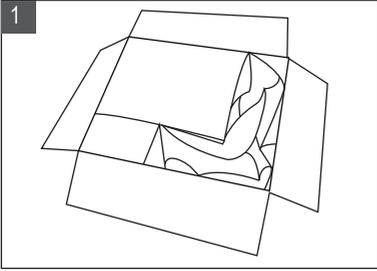


Spa Control Unit Connected External Equipotential Bonding Conductors

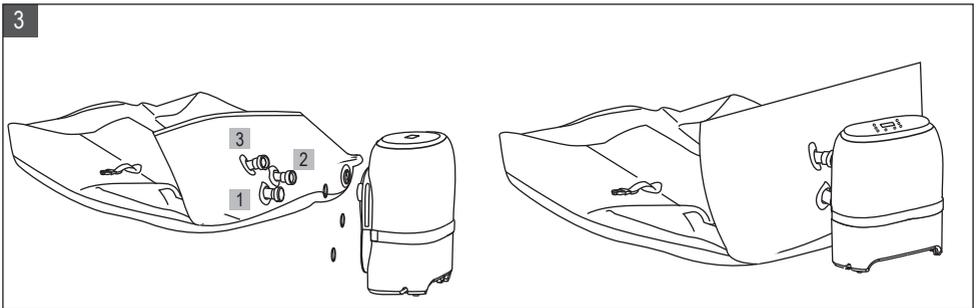
A qualified electrician shall wire the spa control unit to the household equipotential terminal using a minimum 1.5mm² solid copper conductor.

SPA SET-UP

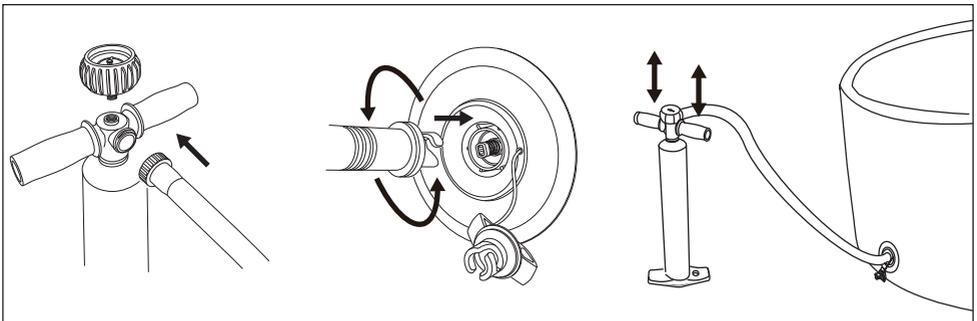
1. Spread out and connect the 9 pcs foam mat at a cleared area. Heat Preservation Mat prevents heat loss from the bottom of the unit.
2. Put the pool body on the mat (note that the drain valve is in the appropriate area)



3. Connect the control box to the spa pool in right order. (There should be sealing ring at each connection point.)

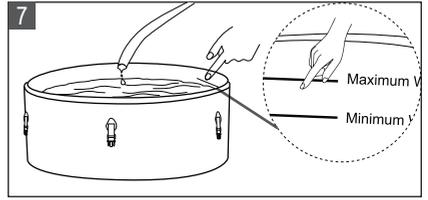


4. Unscrew the valve cap and make sure that the center valve pin is in the "UP" position. If it is in the "DOWN" position, press down on the valve pin and turn it counterclockwise until it pops up.
5. Attach the pressure gauge and the pump hose to the pump and secure it tightly. Connect the pump nozzle into the valve receptacle on the spa body, and tighten it clockwise.
6. Start pumping air into the SPA tub by sliding the pump piston up and down, inflate the spa to 12 - 15PSI.



7. Water Filling

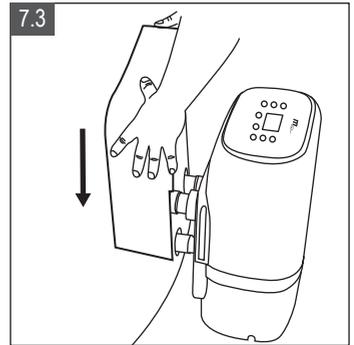
- 7.1 Ensure the spa liner is at the selected area and point the drain valve toward a suitable draining area before filing water. Make sure the drain valve is securely tightened.
- 7.2 Fill the spa tub with fresh water to a level between Minimum and Maximum line marked on the inside of the spa wall.



Do not over fill the spa. It is recommended to fill the spa with lukewarm water for quick heating and energy saving.

WARNING:

- Water level must reach the Minimum water line but not exceed the Maximum line to avoid pump failure.
 - Never pour water with a temperature higher than 40°C(104°F) into the spa directly.
 - To avoid control system failure, do not operate the spa until water reaches the Minimum line.
- 7.3 Check the connecting tubes and make sure there is no water seeping. Assemble the "U" shape cover.
- 7.4 Install the filter cartridge. Please refer to the instruction on P17.
- 7.5 Insert the inflatable bladder into the buckled cover. (Keep valve and printing towards outside)
- 7.6 Inflate the bladder with the hand pump.
- 7.7 Place the cover over the spa tub and insert the buckle to the base that attached on the spa tub.

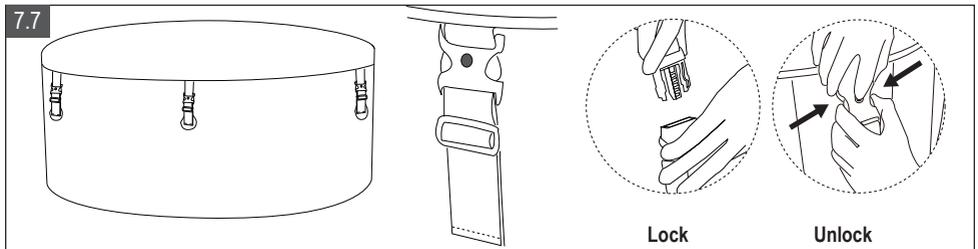
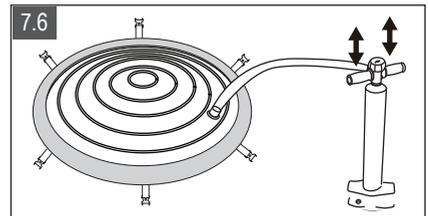


Lock the Buckle

- Insert the buckle on the Spa tub into the Spa cover buckle, until you hear a "Click" sound.

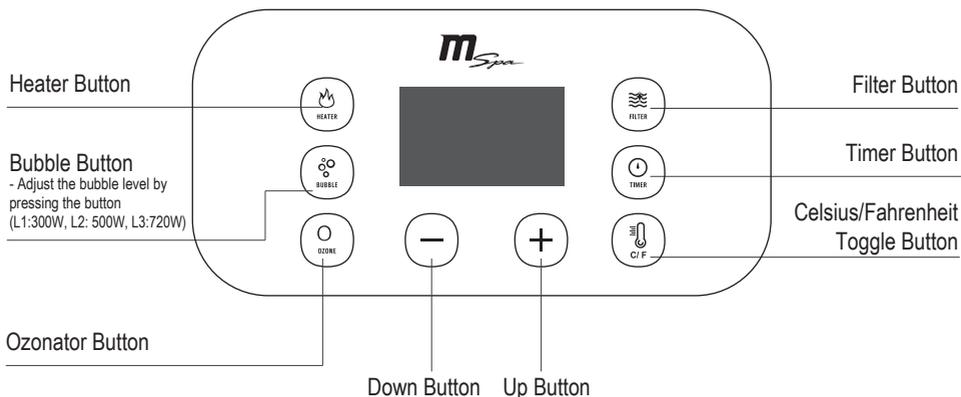
Unlock the Buckle

- Pinch both sides of the locked buckle, and press down the round dot in center in the same time. Press down the center button and release the lock.



- 7.8 Turn on the Heater on the controller, refer to the "Controller operation" section. Maximum heating temperature is 40°C(104°F). Hourly heating rate is about 1.5°C-2°C(2.5°F-3.5°F) for 4 persons and 1.2°C-1.8°C(2°F-3°F) for 6 persons.

ALL-IN-ONE CONTROL PANEL



Temperature display: press RESET on PRCD, read the current temperature on the screen.



Heater Button: Press HEATER button to start or stop heating.

The filter will automatically be running for 15 seconds to test the working condition once the HEATER function is started. If there is no abnormality, the heater will keep working until water temperature reaches the set value. When water temp goes below the set temp, the heater will restart to heat the water automatically. The constant lighting HEATER icon means the heating system is on working status. The flash lighting HEATER icon means the heating system is initiating or on insulation mode.



Filter Button: Press FILTER button to turn the function on/off. The FILTER icon should be constantly lighting when the function is activated.

NOTE: Filtration cannot be turned off when heating function is on (Whether the heater is running or at rest). When Heating function is turned off, filtration will be stopped after 30 seconds. Filtration function can then be activated separately.

NOTE: The auto-filtration system is automatically activated every 4 hours.



Bubble Button: Can adjust among 3 levels of bubbling power. The default bubbling massage power is at level 2 (500W). Press the BUBBLE button again, switching to level 3 (720W). Press again to enable level 1 (300W). To shut down the function, press the BUBBLE button for 3 seconds.

NOTE: The bubbling massage function will be shut down automatically after every 20 minutes operation for safety concern. It cannot be operated within 10 minutes after shutting down.



Adjustment Buttons: Press UP or DOWN button, the screen flashes setting temperature. Re-set the temperature within 3 seconds. Otherwise the temperature setting mode will end automatically. If the other button is pressed during the setting, the setting will also stop. The current temperature shown on the screen is confirmed.



NOTE: Default setting temperature is 38°C; Temperature setting range: 20 - 40°C.

Controller Locking: Press UP and DOWN button at the same time for 3 seconds, the buzzer will ring 3 times, meaning that the controller is locked. In this mode, the function will not be turned on if the button is pressed. Press UP and DOWN button at the same time again for 3 seconds to unlock the controller.



Timer Button: Press the TIMER button to enter the intelligent pre-setting mode. By pressing UP and DOWN button, you can set and start heating automatically with in up to 99 hours. The TIMER setting is confirmed if no further operation in more than 3 seconds or press TIMER button again. The heater will start working after current setting hours. The setting hour can also be changed by entering the pre-setting mode again. The TIMER icon should be constantly lighting when activated.

Cancel: Press the TIMER button for 3 seconds to cancel the pre-setting.

NOTE: The pre-setting function cannot be turned on during heating process. The pre-setting mode will also end once the heating function is on or after the spa is reboot.



Celsius/Fahrenheit Toggle Button: The temperature can be displayed in either Celsius or Fahrenheit.



Ozonator Button: Activate the Ozone. The Ozone icon should be constantly lighting when activated. For bathers' safety concern, the ozonator cannot be operated at the same time when the Bubbling or Jet function is on. The Ozonator will be off automatically after operating for 2 hours. The ozone output is 30-50mg/Hr. The filter will be activated automatically when ozonator is running. It cannot be shut down during this period.

NOTE: Please do not soak in the spa when the Ozone is on. The Ozonator will not work when the spa has no water or when the Bubble Button is on. The filtration cannot be turned off when Ozonator is in use.



Filter Cartridge Cleaning Reminder: When the FILTER icon keeps flashing, it means that the filter cartridge needs to be cleaned or replaced. After that, press Filter button for 3 seconds to clear the reminder.

	FREQUENCY	ACTION
Filter Cartridge	Cumulative use up to 150hrs, or cleaning reminder is activated	Clean the filter cartridge or replace it with a new one. The filter cartridge may need to be replaced within 150hrs for initial use.
SPA	Not in used for 2~3 days or longer	Use an overall cover for protection
	Check water quality in time and adjust to recommended range	Use water treatment products to adjust

IMPORTANT: The following conditions will lead to slow water heating

- The ambient temperature is lower than 10°C(50°F)
- Outdoor wind speed is above 3.5-5.4m/s(8-12mph)
- The air bubble function is activated when heater is on
- The spa is not properly covered with the spa cover when the heater is on

WATER MAINTENANCE AND CHEMICALS

Water Sanitation

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

Proper technique is important for water testing and treating the spa water. See your spa professional for chemical, sanitizer, test kit and testing procedures questions.

Water Balance

Follow below instructions to maintain the 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:

- Low pH will damage the spa tub and pump. Damage resulting from the chemical imbalance will void the warranty.
- High pH (hard water) will result in white coagulations inside the filter pump; which may lead to pump damage.

Water Treatment:

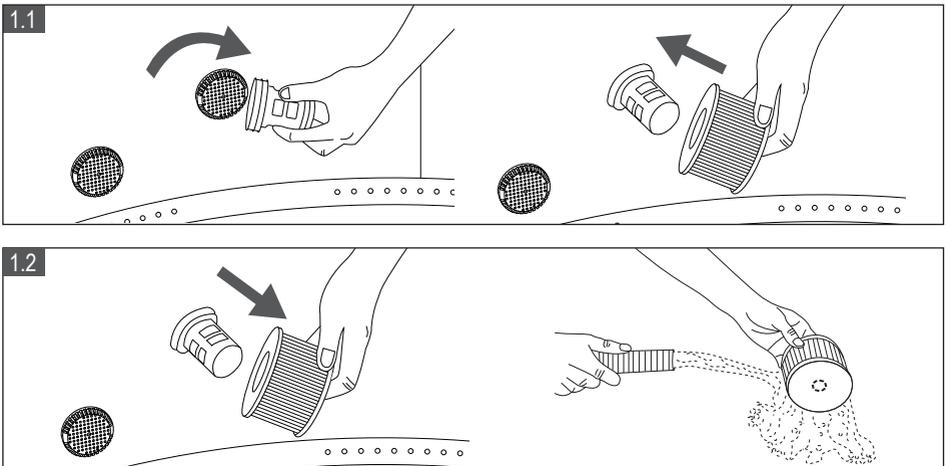
- Always follow the chemical manufacturer's direction, and the health and hazard warning.
- Never mix chemicals together. Add the chemicals to the spa water separately. Thoroughly dissolve each chemical before adding one to the water.
- Please note that chlorine and bromine products should never be mixed. 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 mandatory to completely change the spa water before any product changes.
- Do not add chemicals if the spa is occupied. This can cause skin or eye irritation.
- Do not over use the 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.

Maintenance of Spa Water and Cartridge

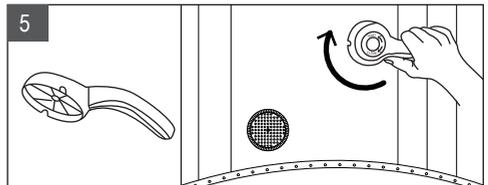
Protect all the spa occupants from possible water related illness by keeping the spa water clean and sanitized. Always practice good hygiene. Ensure proper spa water quality by following these procedures:

- 1.1 Install clean filter cartridge to water inlet.
 - First install the cartridge base to the inlet by rotating it clockwise. Then install the filter cartridge to the base. Push and fix it. It should always stay in place when the spa is filled with water.
- 1.2 Inspect and clean the filter cartridge after each use. Change the filter cartridge after it works continuously for 150 hours, or after seeing cleaning reminder.
 - Pull out the filter cartridge from the base.
 - Use a garden hose to rinse off the cartridge.
 - Reinstall the clean or spare cartridge back onto the spa tub wall.

Note: Do not throw away the cartridge base when replacing the filter cartridge. Only change the base when it gets loose after long term using.



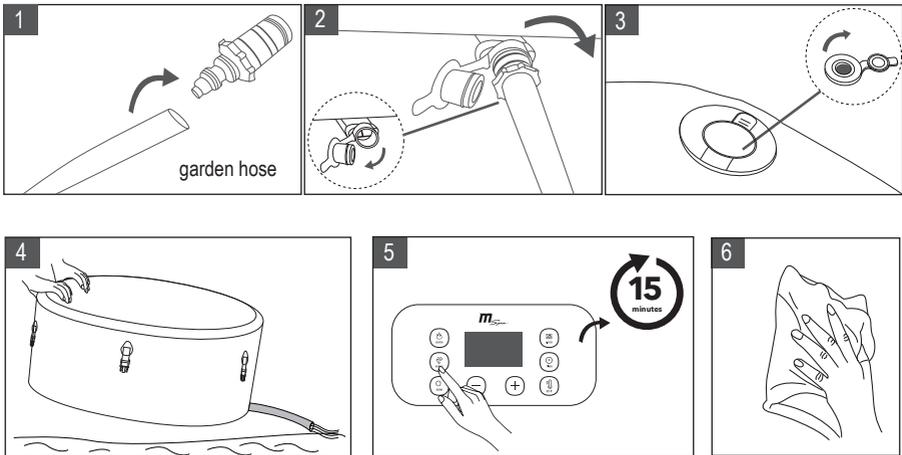
2. Change the spa water every 3-5 days depends on the spa use. See “Cleaning, draining and storage” section for instruction.
3. Use spa chemicals to maintain proper water conditions. Spa damage resulting from misuse of chemicals and mismanagement of spa water is not covered by the warranty. Consult with your local spa or pool retailer for more information on chemical use.
4. All occupants must shower before entering the spa. Do not use skin care or sunscreen products while using the spa.
5. When spa inlet or outlet is stuck with dirt, use the wrench to unscrew it and clean the inlet or outlet.



DRAINAGE, CLEANING AND STORAGE

Spa Drainage

1. Turn off all the buttons (heater, filter and bubble).
2. Connect the drain valve adapter to a garden hose and point the other end of the garden hose to a suitable draining area with local environmental regulations (Fig.1)
3. Remove the drain valve cap from the outside of the spa tub and attach the drain valve adapter with the garden hose to the drain valve (Fig.2)
4. From the inside of the spa tub, open the drain valve cap, water will start to flow out through the garden hose (Fig.3)
5. When the water stops draining, lift the spa tub wall from the opposite to the drain, leading any remaining water to the drain and empty the spa water completely. (Fig.4)
6. Press  Bubble button to dry out any water in the piping system. Operate the bubbling function for 15 minutes to blow out all the remaining water. (Fig.5)
7. When the water stops draining, use a clean towel to wipe up any remaining water and moisture on the spa tub and spa control panel. (Fig.6)



Spa Tub Cleaning

If dirt is visible in the water or water becomes cloudy and proper water chemistry does not clear it up, change the water and clean the spa tub.

While spa water is empty, remove the cartridge from the inside of the spa tub wall, 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.

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

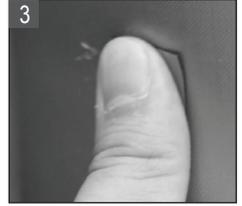
Spa Tub and Air Bladder Repair

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)

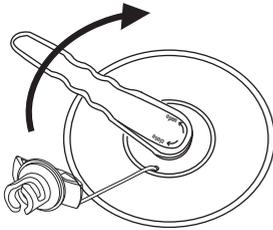
3. Smooth the surface to remove any air bubbles and allow it dry for 5-10 minutes

NOTE: Glue is not included.



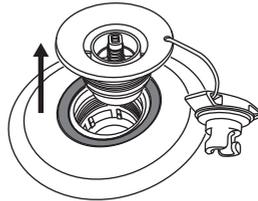
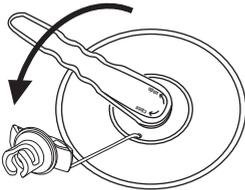
How to fix a leaking valve

A. Try to tighten the valve

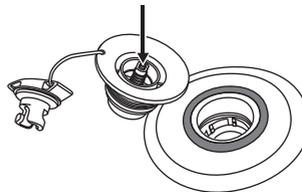
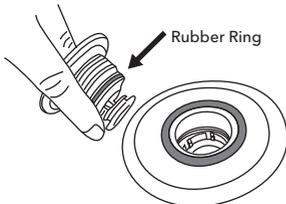


1. Inflate your spa up to the max air pressure
2. Stick your valve wrench down inside of valve and turn clockwise to tighten the valve back down onto the spa

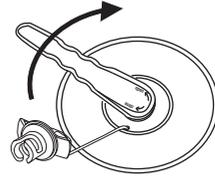
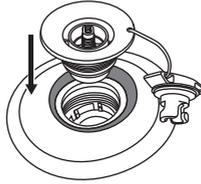
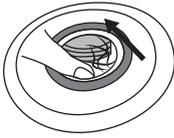
B. Re-install or replace a valve



1. Completely deflate your spa
2. Undo the dust cap and insert the valve wrench into the valve and twist counterclockwise to remove the valve



3. Check the rubber ring to make sure that it is in the correct position, tight around the valve and there is no debris in the way
4. Be sure the pin spring is functioning properly and that there are no cracks along the edges



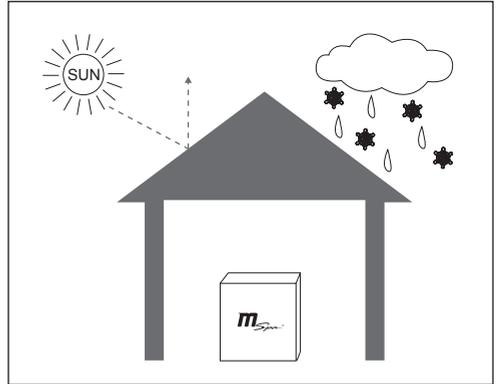
5. Ensure there are no strings from the drop stitching material
6. Note the bottom piece of the valve is not attached to anything
7. Fit the valve back into your spa
8. Align all the threads and twist to tighten
9. Once the valve is hand tight, use the valve wrench to seal completely



NOTE: Correctly use the wrench by pressing it with one hand on top.

Storage and Prepare for the Next Time 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, between 0°C- 40°C(32°F- 104°F) storage location
7. Original packaging is recommended to be used for storage



DISPOSAL AND ENVIRONMENTAL PROTECTION



This marking indicates this product should not be disposed with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. You can obtain information on disposal 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. They can take this product for environmental safe recycling.

TROUBLESHOOTING

ERROR CODE CHART

LED READING	CAUSE	SOLUTION
E0	Water temperature is lower than 0°C degree or exceeds 55°C (131°F)	Change the water or contact the MSpa Service Center.
	Temperature sensor failure	
E1	Water flow switch failure	Contact the MSpa Service Center.
	Filter failure	
	Water level is not at minimum water line	Add water above the minimum line.

PROBLEM	CAUSE	SOLUTION
NO DISPLAY ON THE WIRED CONTROLLER	Power failure	Check power supply
	PRCD is off	Reset PRCD by following PRCD Testing section
	PRCD broken	Contact the MSpa Service Center
	Press the Reset button, controller is not displayed	Contact the MSpa Service Center
NOT HEATING PROPERLY	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 broken	Contact the MSpa Service Center
BUBBLE AIR BLOWER DOES NOT WORK	Auto-off 10 minutes	Wait for 10 minutes
	Unidirectional threshold is not open	Contact the MSpa Service Center
	Control panel failure	Contact the MSpa Service Center

PROBLEM	CAUSE	SOLUTION
OZONATOR FAILURE	Water level is below the minimum water line	Add water above the minimum line
	One-way valve blocked	Contact the MSpa Service Center
	Filter pump does not work	Refer to "FILTER PUMP DOES NOT WORK" section
FILTER PUMP DOES NOT WORK	Filter stuck by dirt or other objects	Clean or replace the filter cartridge
	Filter system failure	Contact the MSpa Service Center
SPA LEAKING	Spa inlet/outlet connection not securely tight	Tighten the inlet and outlet connection
	Drainage valve is not closed completely	Contact the MSpa Service Center, if spa is still leaking
	Water leaks from the spa pool body	Repair the leaking hole/spilt with the repair kit material
SPA TUB IN AN ABNORMAL SHAPE	Extra air pressure by strong sunlight	Check the air pressure and release some air if necessary. During hot weather, it is recommended to check if it is necessary to release some air to avoid any possible damage to the spa pool
SPA LOOSES AIR PRESSURE	Air valve got loosen	Fill up the tub with air, make sure the air valves are secure, replace if necessary
	Hole or split on the spa tub	Put soap water in a squirt bottle and spray on seams. If there is a leak it will bubble. After you find the leak, clean and dry the leaking area, then use the repair patch comes with your spa. Check the repair section on P18
WATER NOT CLEAN	Water has been used too long	Change the water
	Insufficient filtering	Increase filtration frequency
	Dirty filter cartridge	Clean or replace the filter cartridge in time
	Improper water maintenance	Refer to the chemical manufacture's instruction

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 warrants this product against defects in material and workmanship for a period of:

1. Spa pool liner – **twelve (12) months** from original date of purchase.
2. Electric Parts (Control Box) – **twelve (12) months** from original date of purchase.
3. Spa rigid wall frames – **twenty-four (24) months** from original date of purchase.

The warranty period begins from the date of purchase and MSpa requires presentation of the original proof to 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 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 improper power supply; chemical water damage, loss of pool water, unauthorized product modification or repair; use for commercial purpose; fire, lightening, 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 of 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.
- All the authorized selling dealer is responsible for all in-field service work carried out on your MSpa product. ORPC will not be liable for results of cost of workmanship from unauthorized service person.
- Products marked with both MSpa and another producer are governed exclusively by the warranty provided by the other producer.

Warranty Registration

Please always keep the purchase receipt, warranty card in case of future warranty inquiry. All claims must be submitted to MSpa authorized dealers or service partners. Warranty contact information is provided on the back of the warranty card. 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.