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Function, Form & Fashion



Operation Manual

Relax Series Air Baths

with:

UL Recognized Electronic Control

Integral Heater

Ozone™ Disinfection

110V/60Hz, US, Canada, Central America, Carribean, Japan

Aquaticausa.com
Aquaticabath.ca
E: info@aquaticabath.com

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WARNING

1. READ AND FOLLOW ALL INSTRUCTIONS

2. WARNING: When using electrical products, basic precautions should always be followed, including the following:

3. DANGER: To reduce the risk of injury, do not permit children to use this unit unless they are closely supervised at all times.

4. Use this unit only for its intended use as described in this manual. Do not use attachments not recommended by the manufacturer.

5. Never drop or insert any object into any opening.

6. Do not operate this unit without the guard over the suction fitting.

7. DANGER: RISK OF ELECTRIC SHOCK. The unit must be connected only to a supply circuit that is protected by a ground-fault circuit-interrupter (GFCI) or Earth-Leakage Circuit-Breaker (ELCB). Such a GFCI should be provided by the installer and should be tested on a routine basis. To test the GFCI, push the test button. The GFCI should interrupt power. Push the reset button. Power should be restored. If the GFCI fails to operate in this manner, the GFCI is defective. If the GFCI interrupts power to the bathtub without the test button being pushed, a ground current is flowing, indicating the possibility of an electric shock. Do not use this hydromassage bathtub. Disconnect the hydromassage bathtub and have the problem corrected by a qualified service representative before using.

8. WARNING: RISK OF ELECTRIC SHOCK. A licensed electrician should make all electrical connections. Disconnect power before servicing.

9. WARNING: RISK OF INJURY OR PROPERTY DAMAGE. Please read all instructions thoroughly before beginning installation, including the following requirements.

10. Follow all local plumbing and electrical codes.

11. INSTALL TO PERMIT ACCESS FOR SERVICING.

12. (For permanently connected units) A green-colored terminal (or a wire connector marked G, GR, Ground, or Grounding) is provided within the terminal compartment. To reduce the risk of electric shock, connect this terminal or connector to the grounding terminal of your electric service or supply panel with a conductor equivalent in size to the circuit conductors supplying this equipment. A pressure wire connector is provided on the exterior of the pump or control within this unit to permit connection of a bonding conductor between this unit and all other exposed metal in the vicinity, as needed to comply with local requirements.

GROUNDING IS REQUIRED. The unit must be installed by a qualified service representative, and grounded. Building materials and wiring should be routed away from the pump body and other heat-producing components of the unit.

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IMPORTANT PRODUCT INFORMATION

PRODUCT NOTICES

WARNING: Unauthorized modification may cause unsafe operation and poor performance of the bath. Do not relocate the pump, or make other modifications to the circulating system, as this could adversely affect the performance and safe operation of your bath. Aquatica Plumbing Group Inc. shall not be liable under its warranty or otherwise for personal injury or damage caused by any such unauthorized modification.

PRODUCT INSPECTION

Carefully unpack the product and inspect the unit for damage. Return the unit to the carton during construction to prevent damage.

FACTORY-ASSEMBLED FEATURES

Factory installed components include components like pump, blower, level sensors, in-line heater, submerged chromotherapy lights, keypad and diverter. The pump and piping are factory-assembled.

CONNECTIONS AND SERVICE ACCESS

NOTICE: For built-in and corner bathtubs provide unrestricted service access to the pump, heater and control box. Provide unrestricted service access to the pump, blower, in-line heater, adjustable feet, and For built-in bathtubs you must construct an access panel to provide sufficient clearance for servicing the pump, inline heater, and control box. The access panel must be located immediately next to the pump and in line heater. Study the roughing-in information.



ELECTRICAL REQUIREMENTS

1. **DANGER: RISK OF ELECTRIC SHOCK.** The installation must have one (1) Class A GroundInterruptions (GFCI's) or Earth-Leakage Circuit Breakers (ELCB's). The GFCI/ELCB protects against line shock hazard. **Use a 208-240V, 20A, 50/60 Hz OR Use a 110V, 20A, 50/60 Hz dedicated service to wire the control system.**
2. **GROUNDING IS REQUIRED.** The unit should be installed by a qualified service representative and grounded.
3. Installation instructions shall identify fittings, such as brackets or hangers, that are necessary to the intended mounting of the unit.
4. The minimum structural strength required for the supporting surface for the unit. Need to provide rough in instructions to review for compliance.
5. Instructions shall indicate that building materials and wiring should be routed away from the pump body and other heat producing components.
6. **INSTALL TO PERMIT ACCESS FOR SERVICING**
7. An equipment bonding terminal is provided in the field wiring compartment. To reduce the risk of electric shock, this terminal must be connected to the bonding means provided in the electric supply panel with a conductor equivalent in size to the circuit conductors supplying this equipment.

8. INSTALL THIS UNIT IN ACCORDANCE WITH THE CANADIAN ELECTRICAL CODE, PART I. and INSTALLER CONFORMEMENT AU CODE CANADIEN DE L'ELECTRICITE, PREMIERE PARTIE (CSA C22.2 No. 218.2 com compliance).

Your physiological response to hot water is subjective and depends on your age, health, and medical history. If you don't know your tolerance to hot water, or if you get a headache, or become dizzy or nauseous when using your hot tub, get out and cool off immediately.



WARNING

ELECTRICAL REQUIREMENTS

IMPORTANT! SAFETY INSTRUCTIONS / INSTRUCTIONS IMPORTANTES RELATIVES A LA SECURITE

READ, FOLLOW ALL INSTRUCTIONS / LIRE ET SUIVRE TOUTES LES INSTRUCTIONS

SAVE THESE INSTRUCTIONS / CONSERVER CES INSTRUCTIONS

1. **WARNING: RISK OF ACCIDENTAL INJURY OR DROWNING.** Children should not use hydromassage bathtub without adult supervision. / **AVERTISSEMENT. RISQUE DE BLESSURE ET DE NOYADE.** Ne pas laisser un enfant utiliser la cuve a remous en l'absence d'un adulte.
2. **WARNING: RISK OF ACCIDENTAL INJURY OR DROWNING.** Do not use hydromassage bathtub unless all suction guards are installed to prevent body and hair entrapment. / **AVERTISSEMENT. RISQUE DE BLESSURE ET DE NOYADE.** Pour éviter le happement de membres ou de cheveux, ne pas utiliser la.
3. **WARNING: To avoid injury, exercise care when entering or exiting the hydromassage bathtub.** / **AVERTISSEMENT.** Pour éviter les blessures, user de prudence en entrant dans la cuve a remous et en la quittant.
4. **WARNING: RISK OF ACCIDENTAL INJURY OR DROWNING.** Do not use drugs or alcohol before or during the use of a hydromassage bathtub equipped with heater to avoid unconsciousness and possible drowning. / **AVERTISSEMENT. RISQUE DE BLESSURE ET DE NOYADE.** Ne pas prendre de médicament ni consommer d'alcool lorsqu'on utilise une cuve à remous chauffée ou avant d'y entrer afin d'éviter l'évanouissement et le risque de noyade.
5. **WARNING: RISK OF FETAL INJURY.** Pregnant or possibly pregnant women should consult a physician before using a hydromassage bathtub equipped with heater. / **AVERTISSEMENT. DANGER POUR LE FOETUS.** Les femmes enceintes, que leur grossesse soit confirmée ou non, devraient consulter un médecin avant d'utiliser une cuve à remous chauffée.
6. **WARNING: RISK OF HYPERTHERMIA AND POSSIBLE DROWNING.** Do not use a hydromassage bathtub equipped with heater immediately following strenuous exercise. / **AVERTISSEMENT. RISQUE D'HYPERTHERMIE ET DE NOYADE.** Ne pas utiliser une cuve à remous chauffée après un exercice intense.
7. **WARNING: RISK OF ELECTRIC SHOCK.** Do not permit electric appliances (such as a hair dryer, lamp, telephone, radio, or television) within 1.5 m of this hydromassage bathtub. / **AVERTISSEMENT. RISQUE DE CHOC ELECTRIQUE.** Ne pas placer d'appareils électriques (luminaire, téléphone, radio, téléviseur, etc.) a moins de 1.5 m de cette cuve a remous.

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8. CAUTION: Test the ground fault circuit interrupter protecting this appliance periodically in accordance with the manufacturer's instructions. / ATTENTION. Verifier regulierement le fonctionnement du disjoncteur de fuite a la terre conformement aux instructions du fabricant.

9. WARNING: RISK OF HYPERTHERMIA AND POSSIBLE DROWNING. Water temperature in excess of 38 °c can be injurious to your health. check and adjust water temperature before use. / AVERTISSEMENT. RISQUE D'HYPERTHERMIE ET DE NOYADE. Une température d'eau supérieure à 38 °c peut présenter un risque pour la santé. vérifier et régler la température de l'eau avant d'utiliser la cuve .

10. WARNING: RISK OF HYPERTHERMIA. People using medications and/or having an adverse medical history should consult a physician before using a hydromassage bathtub equipped with heater. / AVERTISSEMENT. RISQUE D'HYPERTHERMIE. Les personnes qui prennent des médicaments ou qui ont des problèmes de santé devraient consulter un médecin avant d'utiliser une cuve à remous chauffée.



CAUTION



DANGER

Since your hot tub can be set to reach temperatures of 40°C (104° F), users should be aware that extended submersion in water that exceeds normal body temperature can lead to hyperthermia.

The causes, symptoms and effects of hyperthermia may be described as follows:

Hyperthermia occurs when the internal temperature of the body reaches several degrees above the normal body temperature of 37°C (98.6°F). The symptoms of hyperthermia include drowsiness, lethargy, and an increase in the internal temperature of the body.

The effects of hyperthermia include:

- Unawareness of impending hazard
- Failure to perceive heat
- Failure to recognize the need to exit the hot tub
- Physical inability to exit the hot tub
- Fetal damage in pregnant woman
- Unconsciousness resulting in the danger of drowning

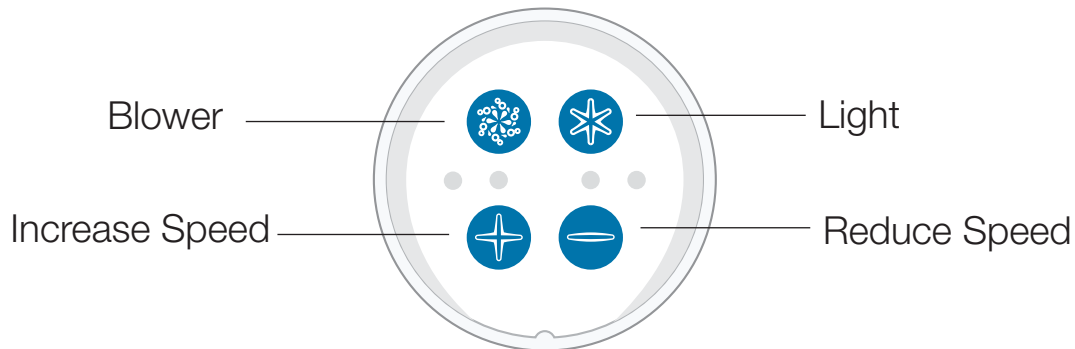
If you sense any of the symptoms of hyperthermia, safely exit the hot tub immediately.

The use of alcohol, drugs or medication can significantly increase the risk of fatal hyperthermia.

IMPORTANT: These operating instructions are to be provided to the end user. All printed material should be read thoroughly, prior to using the product.

OPERATION OF SOLID STATE ELECTRONIC KEYPAD

4-BUTTON KEYPAD FUNCTION



POWERING UP

Each time the blower is electrically connected or manually reset, it will automatically start a 20 second self-diagnostic check, and become temporarily inoperative.

The keypad will enter the “Armed-Sleep Mode” and become fully operational, after the keypad lights have stopped flashing.


***Note:** blowers are electrically connected at all times, therefore, a self-diagnostic check will only repeat when power is interrupted, or after a manual System Reset.

If the self-diagnostic check fails, the keypad will constantly display flashing red lights. Refer to the trouble - shooting section of this manual if this condition persists.

ARMED-SLEEP MODE

The keypad control remains operational at all times, however, it will enter a “Sleep Mode” by having no LED light display when the bath is not in use.

BLOWER OPERATION

The blower can be operated on/off at anytime by pressing the  button, regardless of the water level. A green LED light on the keypad will confirm the start of the 30 minute session timer.

30 MINUTE SESSION TIMERS

The system is equipped with a 30 minute session timer, to prevent unattended or unwanted operation.



After 30 minutes of operation, both the interior light and blower will turn off automatically. This timer activates at all blower speeds, and massage modes.

*If the blower or light is turned off during a 30 minute timed session, you have 5 seconds to reactivate that current session, or the system timer will default back to 30 minutes.

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BLOWER SPEED CONTROL

When the blower is operating, you can control the massage levels by pressing and holding the  or  buttons on the keypad, to increase or decrease the motor speed, and air volume.

These buttons become inoperative during Pulse and Wave Massage modes

PULSE MASSAGE MODE

(Begin with the blower off) Press the blower  button twice to begin the Pulse Massage Mode.


The motor will continuously alternate air volume from high to low, in single large steps, providing a unique pulsing effect for a full 30 minute timed session.

WAVE MASSAGE MODE

(Begin with the blower off) Press the blower  button three times to begin the Wave Massage Mode.

The motor will slowly change air volume from high to low at a tranquil 12 second pace, providing a unique wave massage effect for the full 30 minute timed session.

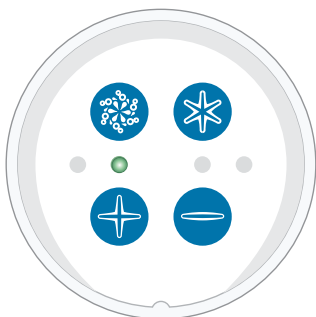
MOOD SETTING STRING LED LIGHTS




If an interior light has been installed, then on/off operation is available at anytime by pressing the light  button, regardless of water level.

A constant green light on the keypad will confirm this command during light operation. The light is also equipped with a 30 minute session timer to prevent unattended or unwanted operation.

The on-board controller delivers an array of preprogrammed light shows that include color washes, randomly changing colors, color cross fades, and fixed colors from one show to the next. Turn the light button OFF and then ON again in 1 second or less, to go to the next light show.

LED DEFINITION



- | | |
|---|---|
|  | Session Timer On
Tells you a device button has been pressed and a Session Timer is running. |
|  | Water Level Detected
Tells you there is still water in the tub. (Sensor required.) |
|  | Error
Tells you that your system needs servicing.
(See System Error Detection.) |

LED LIGHT FOR WATER LEVEL DETECTION

When the bath is full, a “solid” green light will remain on the keypad.

When the bath water is removed, the detection light will “flash” every few seconds, confirming a 30 minute countdown to the start of a 2-minute **Drying Cycle**.

OPERATION OF SOLID STATE ELECTRONIC KEYPAD

DRYING CYCLE

A 2-minute **Drying Cycle** has been incorporated for removal of residual water in the blower plumbing. This feature promotes a more sanitary and healthy bathing environment.

The system sensors will not allow a **Dry Cycle** to arm or start when the bath is full of water, and cannot be cancelled or reprogrammed.

A 2-minute **Dry Cycle** will automatically start the blower 30 minutes after one of these conditions:

1. After the bath water has been emptied (even if the blower has not been used).
2. When bath water falls below the sensor level.
3. After a shower, if water or high humidity enters the sensor area.

LED LIGHT FOR ERROR MESSAGES



If a system error occurs to the electronics, a red LED light will continuously flash on the keypad.

A timed on/off pattern reveals a diagnostic error code that should be noted for technical support.

SYSTEM RESET

The electronic system can be completely reset from the keypad for service purposes.

Refer to the troubleshooting section of this guide for reasons to perform a **System Reset**.

To perform a **System Reset**, press and hold both the   buttons simultaneously for up to 20 seconds.

When the LED light begins to flash, the system will automatically start a 20 second self-diagnostic check, and become temporarily inoperative.

The keypad will enter the **Armed-Sleep Mode** and become fully operational again, after the lights have stopped.

HEATED AIR OPTION

The heater incorporated within the blower is self-operating, self-regulating and maintenance free.

The heater has been performance tested, and qualified to last the entire life of your blower.

HEATER OPERATION

Anytime the blower is turned on at any speed, the heater becomes active and helps raise the air supply temperature. If the heater becomes overheated due to insufficient airflow, it will automatically switch off for safety, and become operational once again when cool.

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OZONE™ OPTION

The Corona Discharge (CD) ozone generator incorporated within this blower is selfoperating, self-regulating and maintenance free.

The CD ozone generator has been performance tested, and qualified to last the entire life of your blower.

PLUS OZONE™ OPERATION

The Plus Ozone generator turns on and off automatically with the blower, insuring ozone is not being generated without a means of delivery.

When the blower is operating at any speed, it's normal to encounter a "purification" smell, confirming that ozone is being generated and delivered.

The ozone potency has been regulated on this device, and remains non-adjustable for your safety and convenience.

Ozone gas applies an instant effect to water, however, it does not maintain or build a lasting residual. Therefore, ozone becomes ineffective shortly after the blower has been turned off.

Ozone generated by this device is solely intended for the sanitation of water, and inner walls of the delivery piping system by means of direct exposure. The effectiveness and expected benefit of ozone is strictly limited to the time during blower operation.

WARNING

Long periods of operation may cause an unpleasant accumulation of ozone off-gas in small rooms, and a potential health risk to asthma sufferers, persons allergic to ozone, or susceptible to respiratory health problems.

**** DO NOT allow children or unqualified adults to operate this product unattended.**

Always make sure the blower is not operating when unattended.