

INSTALLATION AND CARE GUIDE

WOODBIDGE®

**Whirlpool & Air Bubble Bathtub
Two persons Hot Tub**

B0090/BTS0090 B0091/BTS0091 B0092/BTS0092

Certified to the following Codes & Standard:

- U.S Safety Standard: UL 1795 – Hydro massage Bathtubs (UL)
- ASME A112.19.7 / CSA B45.10-2012(R17) – Hydromassage Bathtub Systems
- CSA B45.5/IAPMO Z124-2017 – Plastic Plumbing Fixtures
- 2009 and 2006 International Plumbing Code® (IPC)
- 2021, and 2006 International Residential Code® (IRC)
- 2018, 2015, and 2006 Uniform Plumbing Code® (UPC)



READ ALL INSTRUCTIONS BEFORE UNPACKING THE PRODUCT

INSTRUCTIONS THAT, IF IGNORED COULD RESULT IN DEATH OR SERIOUS INJURY CAUSED BY INCORRECT HANDLING OR INSTALLATION OF THE PRODUCT. THESE INSTRUCTIONS MUST BE OBSERVED FOR SAFE INSTALLATION.

CAUTION!



**TWO PERSON
LIFT REQUIRED**

**2 PEOPLE ARE REQUIRED TO LIFT AND DURING
ENTIRE INSTALLATION OF THIS PRODUCT**

This products must be installed by a fully insured and licensed plumber only. Installation of any our product by anyone other than fully insured and licensed plumber shall void limited warranty. We recommends that such licensed plumber has experience in the installation of products.

Limited warranty is void on any commercial installation

We are not responsible for local code compliance for this product. Building and plumbing codes may vary from state-to-state in accordance to your location. We are not responsible for providing any compliance certifications.

Under no circumstances we shall not be liable for any incidental damages sustained in connection with this product

Neither manufacture, nor distributor, nor retailer is responsible for water damage or flood caused due to use of this product.

Under no circumstances We shall not be liable for any and all fees, cost of installation/reinstallation/removal, subsequent damage or transportation in case of the product defect

Customer Service Phone: 562-229-0088. (Monday - Friday 9 AM - 5 PM Pacific Time)

Or Email: help@woodbridgebath.com

20200922 REV. 5

www.woodbridgebath.com

BEFORE YOU BEGIN

- Please read these instructions carefully to familiarize yourself with the required tools, materials, and installation sequences. Follow the sections that pertain to your particular installation. This will help you avoid costly mistakes. In addition to proper installation, read all operating and safety instructions.
- All information is based on the latest product information available at the time of publication. WOODBRIDGE® reserves the right to make changes in product characteristics, packaging, or availability at any time without notice.

PRODUCT REQUIREMENTS

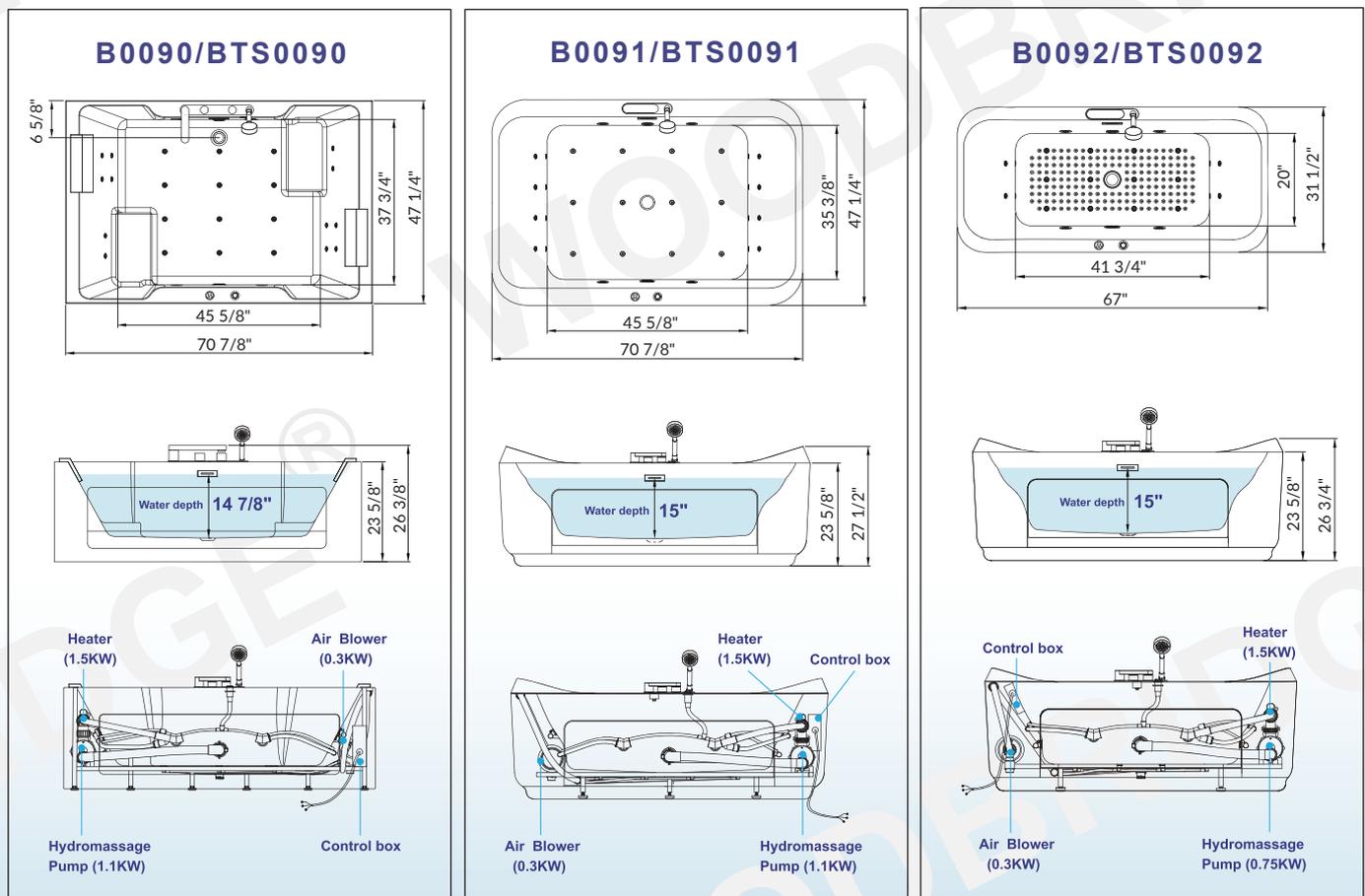
A. Summary Of Key Requirements

Observe all local plumbing codes, Install the unit to a level subfloor, Provide properly -dimensioned framing.

B. Product Inspection

Uncrate and inspect bath for damage. Leave all materials in the crate during construction to prevent damage.

ROUGHING-IN



IMPORTANT INFORMATION

- Measurements are $\pm 1/2"$ and subject to change without notice
- Specifications & Configurations are subject to change without notice
- Please measure tub on-site before installation
- Please note that installer(s) must be certified or warranty will be voided.
- Measurements herein supersede all others published prior to publication date shown below
- Before ordering or installing, please consider future access to equipment

INSTALLATION REQUIREMENTS

A. Tools Required

- Adjustable pipe
- wrench
- Ruler
- Level
- Safety shoes
- Safety glasses
- Square
- Screwdriver
- Pliers
- Utility knife

B. Materials Required:

- Plumbers putty
- Wall coverings, as necessary
- Silicone sealant
- Gypsum cement (optional)
- Construction adhesive
- (optional)
- Protective covering for bathtub
- Nails

C. Clearance Requirements:

Check the rough-in and room dimensions to provide adequate space for the bath unit.

SITE REQUIREMENTS

A. Plumbing Preparation

Position the plumbing according to rough-in dimensions.

Cap the supplies and check for leaks.

BEFORE INSTALLING UNIT

CAUTION: Ensure a watertight seal on the bath drain connections.

- A. Install the faucet valving and shower head tee. When drilling bathtub for faucet, ensure sufficient clearance. Open the hot and cold water valves and check the supply connections for leaks.
- B. Run water into the bath and check the drain connections for leaks.
- C. Fill the bathtub up to the overflow level and check overflow unit for leaks.

INSTALL BATHTUB

This products must be installed by a fully insured and licensed plumber only.

- 1) Your new bathtub has been manufactured to the highest possible standards, it has been tested and approved by factory
- 2) When removing bathtub from protective carton. **DO NOT LIFT BATHTUB BY PIPE WORK.** Inspect for any possible damage that may have occurred in transit.
IMPORTANT: Bathtub must be installed level on all top edges..

- 3) Set the bathtub on two 4x4 pieces of lumber .so you can access from the bottom of the bathtub.
- 4) Connect Power Supply:
Connect power supply to control unit. The electrical connections must comply with local authority regulations and must be done by an authorized electrician.
- 5) Fill bathtub with water to approximately 40mm(1.6") above the jets and trial run pump for 10-15 minutes. Check all the fittings for leaks and test the control functions. Switch off the spa pump and leave the unit filled with water (pump is not running) for at least another two minutes. Check the pump and pipes union connections for leaks. Hand tighten union connections if required.

IMPORTANT: Your bathtub has been factory tested and approved. It is the responsibility of the installer to test run the bathtub, check all the fittings for leaks and test the control functions. **NON OBSERVANCE WILL INVALIDATE FACTORY WARRANTY.**

- 6) The unit must be connected only to a supply circuit that is protected by a Ground-Fault Circuit Interrupter (GFCI). Such a GFCI should be provided by the installer and should be tested on a routine basis.

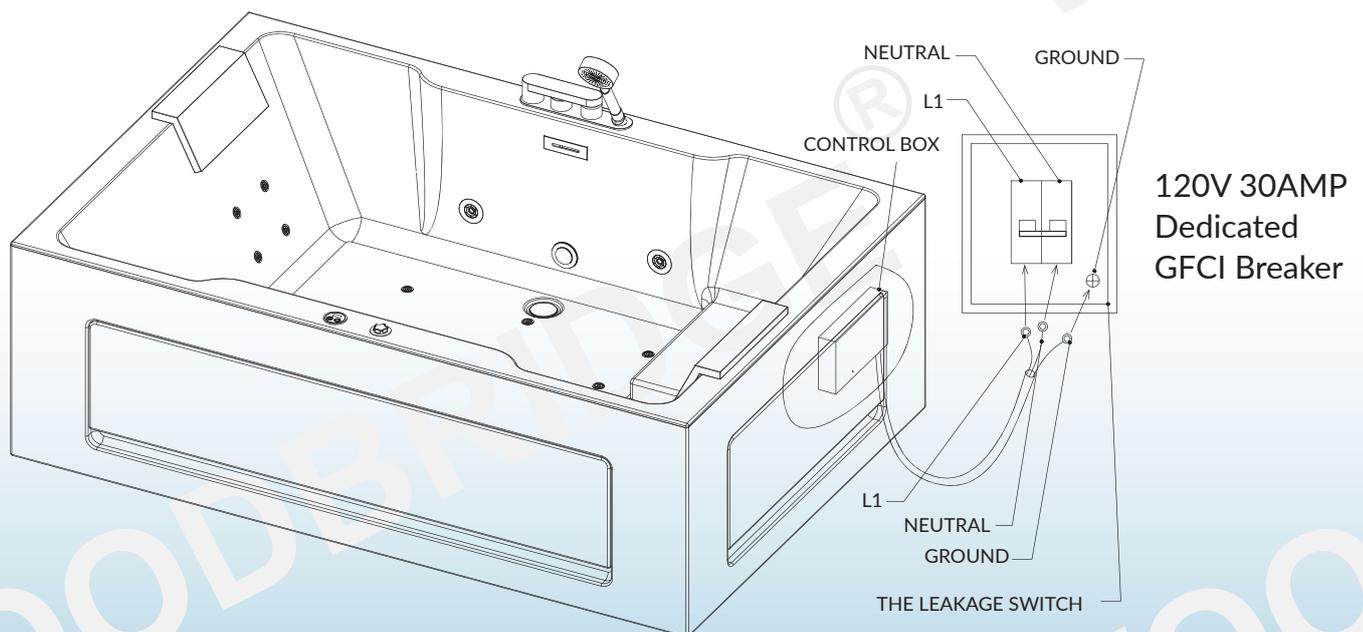
WOODBIDGE® Whirlpool & Air Bubble Bathtub Two persons Hot Tub



ELECTRICAL REQUIREMENTS



**Whirlpool & Air Bubble Bathtub
Two persons Hot Tub**



On above example, there is a 120V 30AMP Dedicated GFCI Breaker

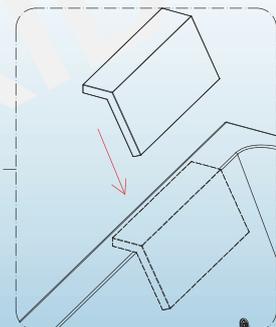
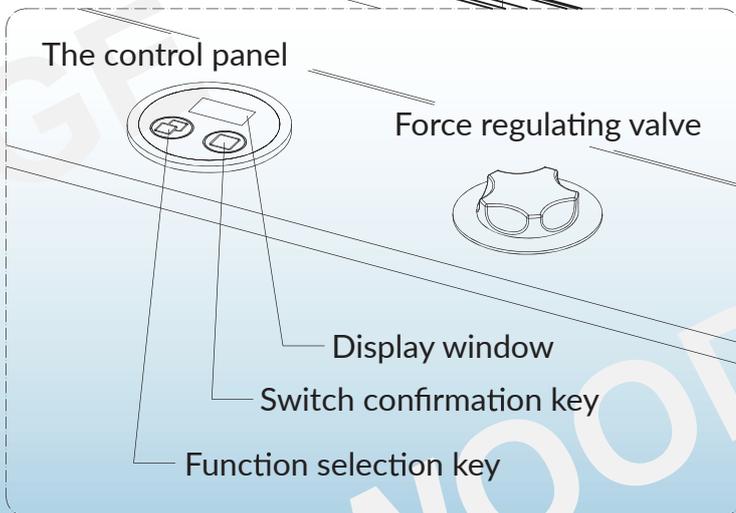
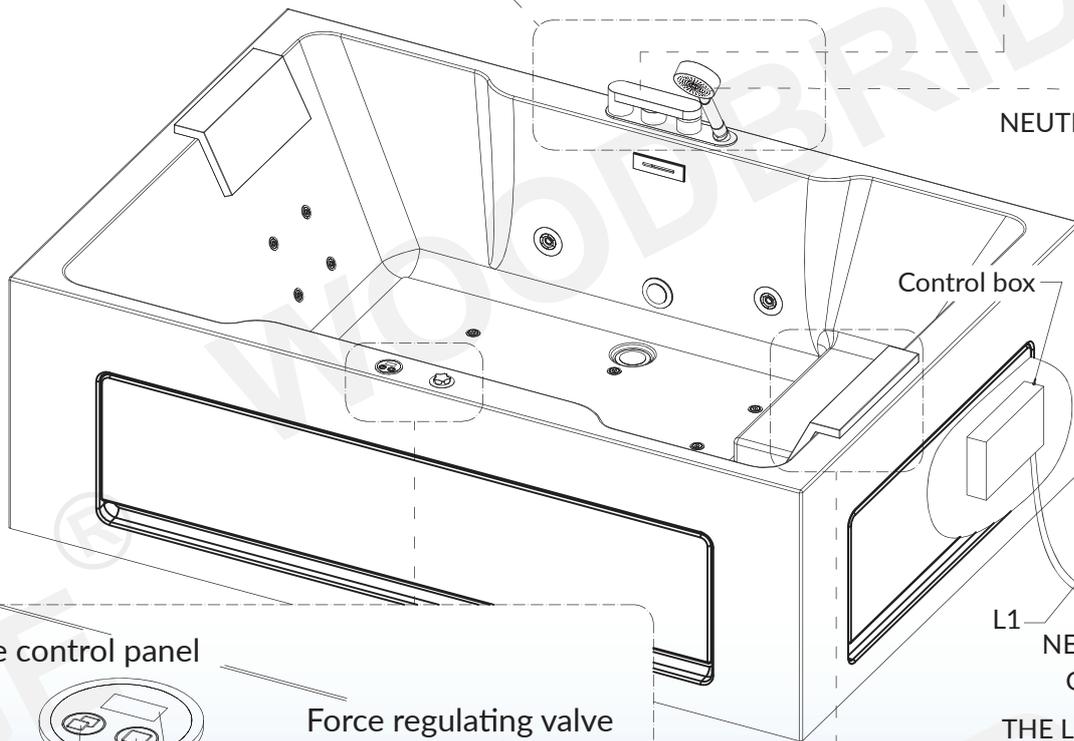
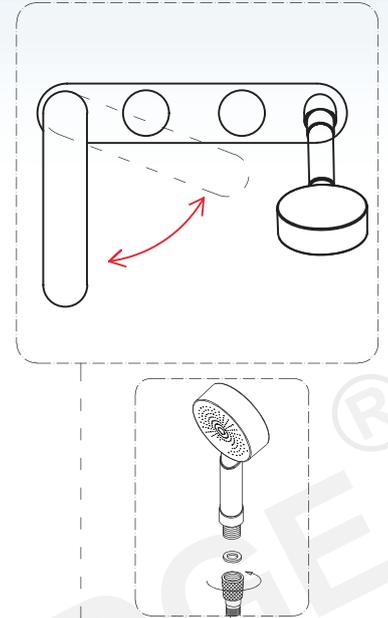
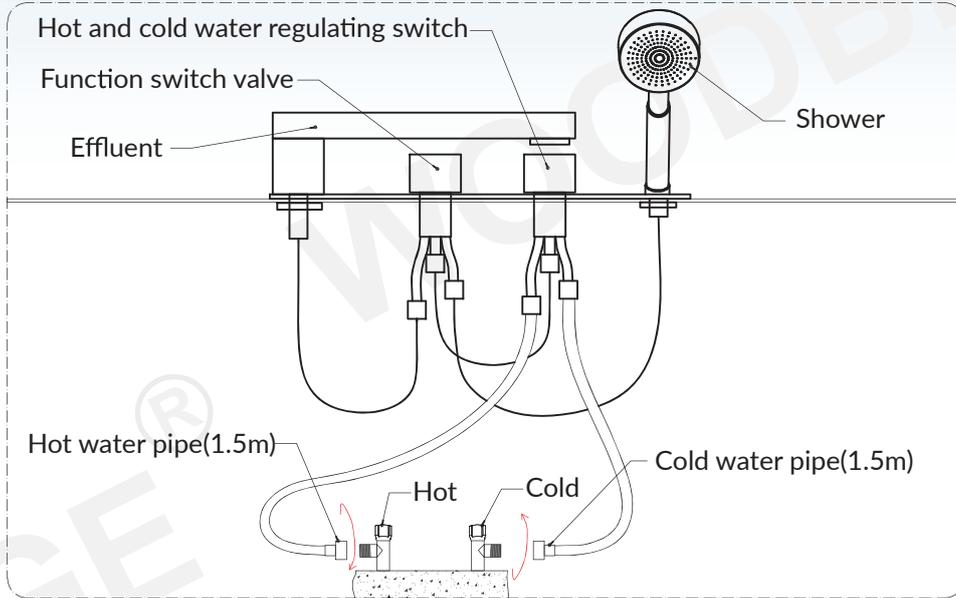
Voltage/Hz	Power	Current
110V/60HZ	2.8KW	>23A

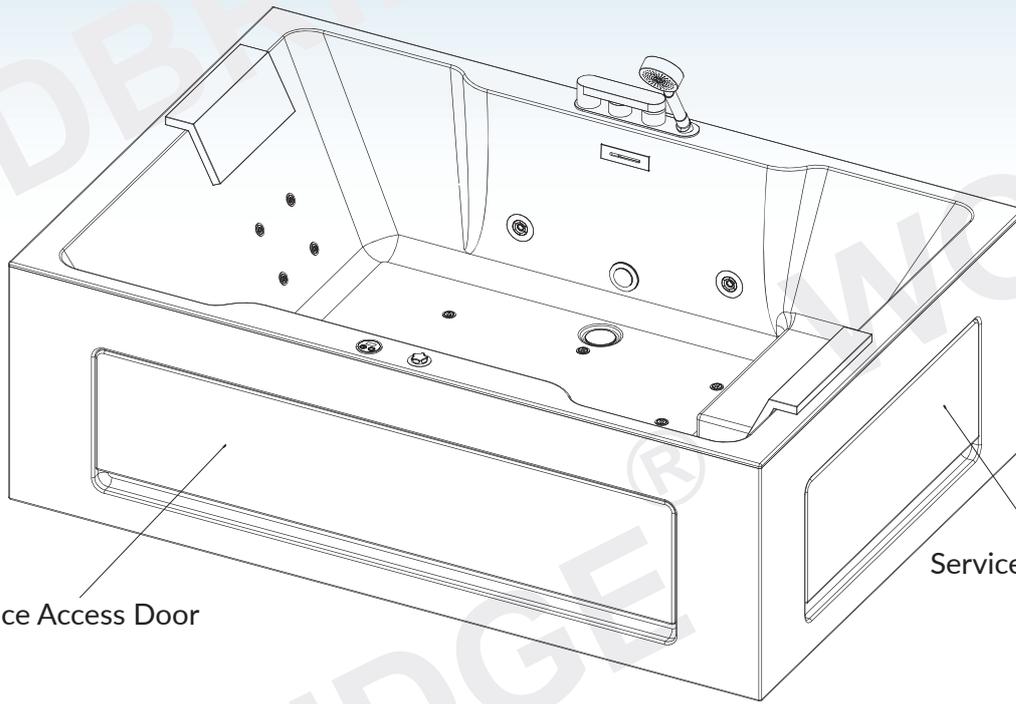
- 1.Voltage/HZ needs match up with the product's parameter.
- 2.Power supply needs a good grounding.
- 3.The pressure of water supply needs meet 0.2-0.4Mpa.
- 4.The Whirlpool function will function when the level of water injection is higher than the level of jets.
- 5.Turn off the power before draining.

TROUBLE SHOOTING

Faults	Fault Cause	Solution
Failure	Voltage instability	Check the voltage
	The plug drops off or short circuit	Plug the power or replace it
	Pneumatic switch's failure	Change the switch
	The link between pneumatic switch and the pipe drops off or breaks	Reconnect it or replace the pipe
Big noise of generator	The voltage not match with the data on the name plate	Check it with the distributor
	Screws from generator is loosen or dropped off	Ajust it / tighten it
	The tub feet are not level	Adjust it to be level
Plumbing leakage	Aging of sealing ring	Replace with a new sealing ring
	Bad connection	Reconnect
	Plumbing leakage	Replace the plumbing parts

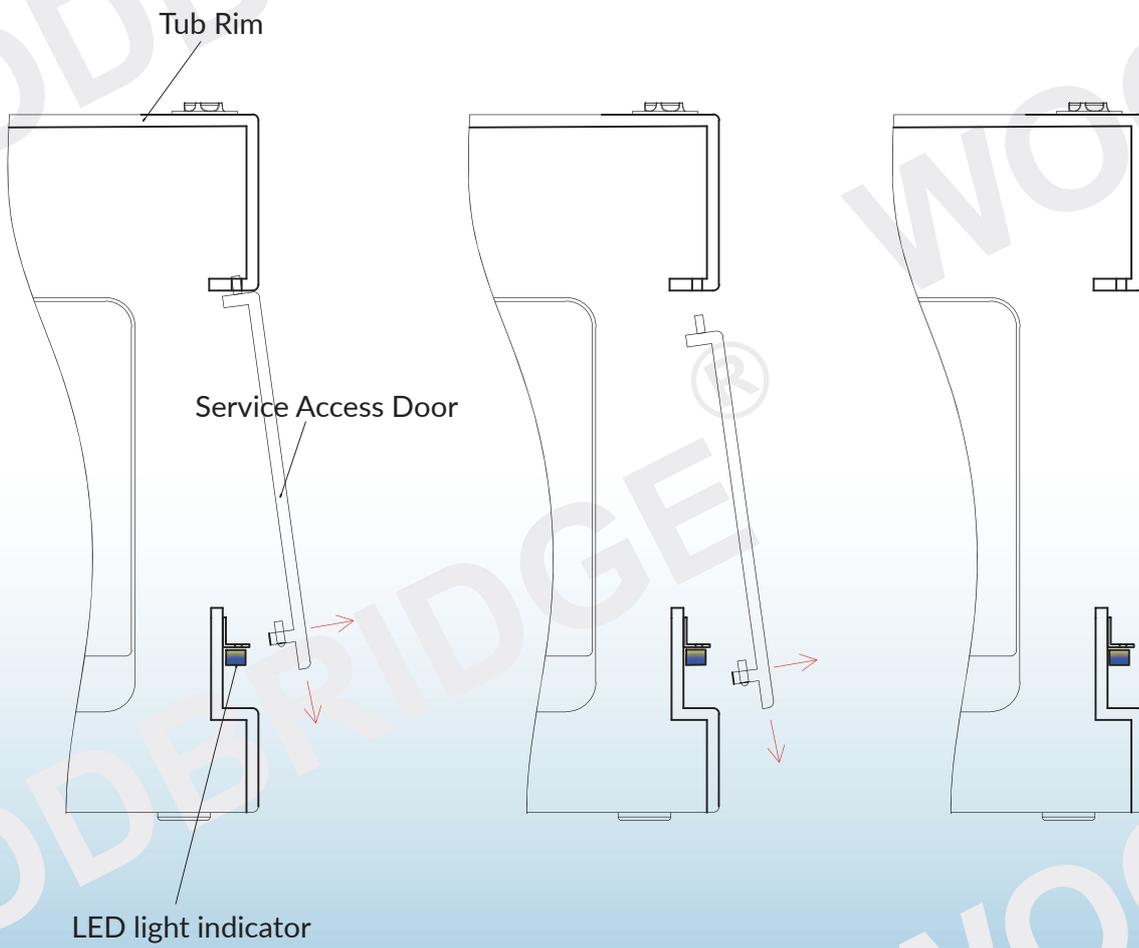
Instructions





Service Access Door

Service Access Door



Tub Rim

Service Access Door

LED light indicator



DANGER Sign: RISK OF SEVERE INJURY FROM ELECTRIC SHOCK OR DEATH FROM ELECTROCUTION!



CAUTION Sign: IMPORTANT INSTALLATION GUIDE AND MAINTENANCE TIPS TO BE FOLLOW PER MANUFACTURE.

WARNING:

1. In order to prevent fire or electrical shock, DO NOT expose the control box on rain or wet environment. Control box contains dangerous high voltage parts and DO NOT open the control box. This product to be service by certified technician only.
2. Any modification or setting to the controller without authorization or confirmaion from manufacture or its dealer might cause mal functionto the product.

CAUTION:

1. Follow the instructions on this manual to operate.
2. Please keep this installation manual for future reference after installation. Please contact your local authorize dealer or call our customer service support for any assistance with operation or maintenance -related question.

OPERATION TIPS:

1. Unplug the socket from electric outlet if the product will not be used in a period.
2. Make sure the wiring and connection are well connected per manufacture before turning on the unit.
3. Place this controller on dry and ventilation area, cleared from heat, sunshine, mechanical vibration, moisture, dust and any radiation object.

DO:

1. Take at least 30 seconds ON and OFF from last operate, this will extend the unit life cycle.
2. Power off the unit after every use.
3. Follow the voltage and electrical specification guide from manufacture to prevent any mal function or damage to the unit.
4. Follow installation instruction per manufacture to prevent any mal function or damage to the unit.
5. Turn ON the unit again if accidentally shut down.

CONTROLLER USER MANUAL:

1. Feature description:

- Wave Feature
- Air Blower
- Constant Heated
- Temperature Sensor
- Water level detection
- Child Keypad Lock
- Touch Sensor technology

2. Control system:

- Keypad (x1)
- Control Box (x1)

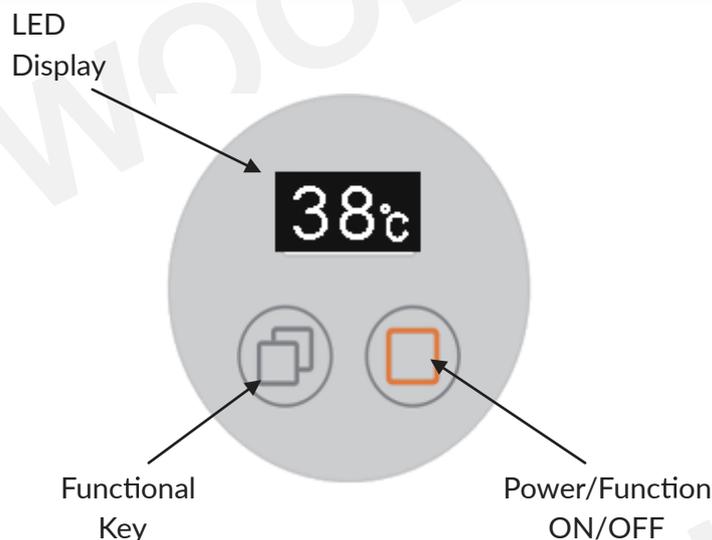
3. Control Box Specification:

- Voltage: AC110V
- Hertz: 60 Hz
- Consume Voltage: <25A
- Standby Rate: <1W
- Working Temperature: 5C - 40C (41F - 104F)

4. Function Control Specification:

- Wave Mode: AC110V/1.5HP
- Air Blower Mode: AC110V/400W
- Heated: AC110V/2000W

CONTROL PANEL OPERATION:



(1) Always a BEEP sound on every keypad function.

(2) Power ON and OFF

Press and hold Power/Function button  for 3 seconds to power on the unit.

Unit with Temperature sensor function with display current  temperature on LCD screen.

Display will blink if it is not equipped with .

Press and hold Power/Function button  for 3 seconds to power off the unit.

(3) CHILD Keypad Lock

The unit is On and no activity on the keypad was made, Child keypad lock feature will activated and the screen will display a LOCK  image and you will be unable to access the menu till hold pressing any button for 3 seconds or more to deactivate it.

(4) Function Setting

The unit is ON, press FUNCTION key  to enter FUNCTION setting interface. LCD screen will display as below:

4.1 - FUNCTION INDICATOR  FUNCTION ON/OFF

("√" means function ON, Blank means function OFF)

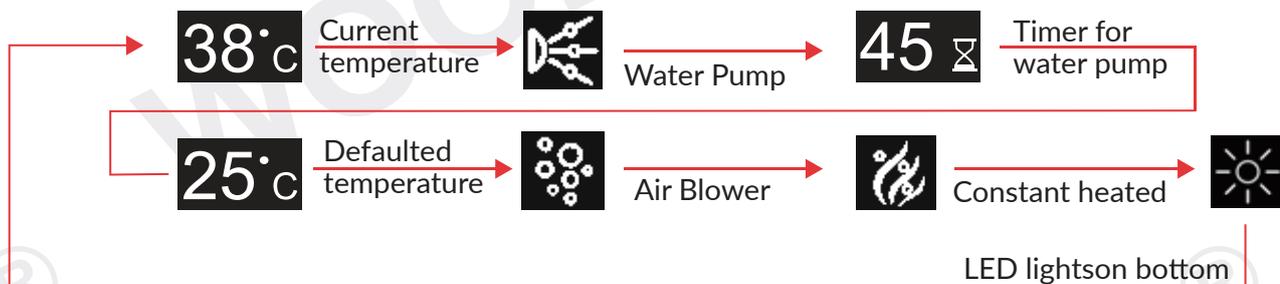
Keep pressing FUNCTION key  till the function you are looking for, then press POWER/Function  button to activate or deactivate the function.

4.2 Under Function Select will have all or part of the following function to choose from.



5. OPERATING CYCLE

When one or more function was selected but a not on function mode, following function cycle sequence indicator will be blinking.



Note:

1. Default operating time for water pump is 45 minutes, press Power/Function ON OFF button to add more minutes. Press 1 time for 1 extra minutes and the maximum running time is 60 minutes.
2. Constant heat will only operate when water pump is running, once constant heating been selected, the water pump will operate at the same time.
3. Default Constant heat temperature is 25C, and maximum heat temperature is 45C. When the water temperature is <25C, press Power button to increase the temperature.
4. When pump or constant heat status indicator is not blinking, means default time has reached and both pump and heat function have stopped.
5. When pump or constant heat status indicator is blinking, means function has been select but not operate due to no water or not enough water.

READ BEFORE INSTALLATION:

1. Installer MUST follow the circuit diagram and technical data provided by manufacturer during the installation.
2. Ground on the control panel must connect to circuit diagram with ground.
3. Installer must use a certified specification of 3x3mm diameter or thicker wire, and power outlet must be 30A or higher ground for installation.
4. Installer MUST buy a 30A or higher grade of Air switch or leakage switch. The leakage switch on unit itself is for support use only.
5. Check and make sure the wiring and routing on wiring hub is correct per specification. use only when it is per factory specification.
6. DO NOT apply any non-factory certified components or equipment to the control panel, it is prohibited to disassemble or modify any of the wiring or unplug and reconnect the wire when it Power box is still with power.
7. The wiring and connection on power box must match with the diagram, output cannot be short circuit.
8. It is highly recommended to shut down the unit after use to prevent aging caused by continuous electric current.
9. Control Box must be installed by certified installer and following installation instruction.
10. None of the component inside the control box can be resume, DO NOT try to improve nor repair. High voltage inside the control box will caused severe body injury. Any maintenance or alignment must be serviced by certified technician.

[DISCLAIMER]

1. This product must be serviced by certified technician authorized by manufacture or it's dealer or warranty will be voided, and manufacture has no responsibility to any cost or lost caused.
2. This installation manual is for reference only and is subject to change without any prior notice.

Woodbridge warrants its products as listed in below to be free of material and workmanship defect, subjected to the limitations set forth in this limited warranty.

- Bathtub, Whirlpool/Air Bubble Massage Tub: 1 Year limited to be free of defects in material and workmanship
- Toilet and Bidet: 1 Year limited to be free of defects in material and workmanship
- Faucet: 1 Year limited to be free of defects in material and workmanship
- Vanity: 1 Year limited to be free of defects in material and workmanship
- Granite, Marble, Engineered Quartz Vanity Top: 1 Year limited to be free of defects in material and workmanship
- Medicine Cabinet, LED Mirror: 1 Year limited to be free of defects in material and workmanship
- Stainless Steel Sink: 1 Year limited to be free of defects in material and workmanship
- Solid Surface Shower Wall Panel, Shower Base and Vanity Top: 10 Years limited warranty to be free from material defects
- Shower Door: Lifetime warranty on glass components and 1Year limited on other hardware

This limited warranty is non-transferable and only applies to products purchased and installed in the United States.

This limited warranty excludes all industrial, commercial and business usage. Proof of purchase (original sales receipt) from the original purchaser, Description and pictures of defect, model number or model description must be provided to Woodbridge Bath for all warranty claims and Woodbridge Bath IS NOT responsible for labor cost, removal or installation costs.

This limited warranty shall not apply to goods which have been subject to accident, negligence, improper installation, product abuse, product misuse, or use of cleaners containing abrasives, alcohol or other organic solvents, whether performed by a contractor, service company, or yourself, are excluded from this warranty.

This warranty does not cover surface damaged caused by use of chemicals that break through or dissolve the surface finish or damage caused by the accidental dropping of sharp or heavy objects. Improper care and use of abrasive cleaners and will void the warranty.

During this limited warranty period if a malfunction occurs and after inspection it is determined that a defect developed during normal use, Woodbridge will as at its election proceed within any of the following options:

- (1) repair or replace the defective part(s) or product(s) at cost
- (2) issue a refund of the original purchase price of the product(s) (Valid within 30 days from the date of purchase)
- (3) issue a credit to be applied toward the purchase of a new product. Shipping/delivery charges may apply and are in sole discretion.

Caution:

NEVER use cleaners containing abrasive cleaners, ammonia, bleach, acids, waxes, alcohol, solvents or other products that are not recommended for Chrome finish will void the warranty.

Woodbridge products should be installed by a fully insured and licensed contractor only. Installation by anyone other than fully insured and licensed contractor will void this limited warranty.

RESPONSIBILITIES OF OTHERS

Inspecting the unit prior to installation is the responsibility of the installer or building contractor who acts on behalf of the user. They are responsible for ensuring the unit is free of defect or damage. Notices are placed on the unit and on the shipping carton advising the installer of this responsibility. In the event of a problem, the unit must not be installed. Woodbridge is not responsible for failures or damage that could have been discovered, repaired, or avoided by proper inspection and testing prior to installation.

Damage occurring in transit is the responsibility of the carrier. The user or installer MUST open the crate and inspect the unit for damage when it is delivered. If damage is discovered, it must be reported immediately to the seller and the carrier in writing, and an inspection requested. Failure of the carrier to respond should be reported to the seller and the carrier. Your freight claims should be filed promptly thereafter.

This limited warranty does not cover any liability for consequential or incidental damages, all of which are hereby expressly disclaimed, or the extension beyond the duration of this limited warranty of any implied limited warranties, including those of merchantability or fitness for an intended purpose.

DISCLAIMER

Except as expressly provided, there shall be no warranty or obligation, express or implied, oral or statutory. No dealer or other person has the authority to make any warranties or representations concerning or its products. In no event shall be held responsible for any such warranties or representations.

Some states/provinces do not allow limitations on how long an implied warranty lasts, or the exclusion on limitation of special, incidental or consequential damages, so these limitations and exclusions may not apply to you. This warranty gives you specific legal rights, you may also have other rights which vary from state/province to state/province.

To obtain warranty and replacement parts, please send e-mail to help@woodbridgebath.com with the original receipt information, Woodbridge will determine whether to repair or replace your product, issue a refund or issue a credit.

WOODBIDGE®

17300 Marquardt Ave.
Cerritos, CA 90703 USA

(Monday - Friday 9 AM - 5 PM Pacific Standard Time)

Email: help@woodbridgebath.com (Prefer by e-mail)

Customer Service Phone: 562-229-0088

www.woodbridgebath.com



TROUBLESHOOTING PROCEDURES

PROBLEM	PROBABLE CAUSES	REMEDY
Pump/motor does not start	No power to pump/motor Pump/motor not plugged in Pump/motor faulty	Reset GFCI Insert plug securely into outlet Ensure control panel is connected to control box Contact Woodbridge Bath @ 562-229-0088
Pump/motor operates but no fully adjustable jets are functioning	Jets are closed Suction cover/strainer may be clogged	Open jets by rotating counter-clockwise with the motor turned OFF, remove the suction cover/strainer and remove any debris. Replace the suction cover before operating
Pump/motor operates but air is not injected into the water	Air valves are closed	Open air control valves
Water leakage from pump unions	Overtightened, O-ring may be pinched or improperly seated during tightened	Loosen unions, check and reseal O-ring. If O-ring has been pinched out of shape, replace the O-Ring. When tightening union nuts, hand tighten only.
Pump/motor shuts off by itself before time elapses	Motor thermal protection has deactivated pump/motor due to overheating (supply voltage low) GFCI tripped Inadequate supply wiring	(1) Let motor cool; thermal protection will reset. Check for proper ventilation (2) Check for proper ventilation (check supply voltage) and reset GFCI (3) If it continues to trip, do not use this unit. Disconnect the unit and have the problem corrected by a licensed electrician before using. (4) Consult a licensed electrician to correct the wiring unit
Chroma therapy lights do not operate	Connector has come loose	Replace connector or contact customer service
Blower does not start	No power to pump/motor Blower not connected Blower faulty	Reset GFCI and/or breaker Ensure plug is fully in outlet Ensure control panel is connected to control box. Ensure control box is connected to control panel.
Blower operates but NO air is exiting the holes	Check valves are stuck in the closed position	Contact Woodbridge Bath @ 562-229-0088
Blower operates but air is not exiting from all of the holes	Blower intensity is not sufficient Obstructed air holes	Increase the blower intensity. Remove debris with a toothpick or tooth brush
Blower shuts off unexpectedly	40 minutes timer has elapsed GFCI tripped Inadequate supply wiring Improper ventilation Connector has come loose	Turn on blower Reset GFCI; if it continues to trip, do not use the unit Consult a licensed electrician to correct Contact Woodbridge Bath @ 562-229-0088
Water not maintaining temperature	High limit switch on heater has tripped	Press Reset button on heater

IMPORTANT SAFETY RULES

ATTENTION! ALWAYS FOLLOW THESE PRECAUTIONS WHEN USING A BATHTUB

- ⚠ Warning** The bathtub must be installed and used as described in this manual
- ⚠ Warning** Use caution when entering or exiting the bathtub
- ⚠ Warning** Do not permit children or persons with infirmities to use the bathtub without supervision of an adult
- ⚠ Warning** People using any medications or having adverse medical history must consult a physician prior to use of the bathtub to avoid potential hyperthermia and possible drowning
- ⚠ Warning** Water temperature over 100°F may cause hyperthermia and/or other health problems. Check water temperature and adjust it for your personal comfort
- ⚠ Warning** Never use bathtub while intoxicated, after taking meals or any alcoholic beverages. Consuming alcoholic beverages before or during bathing will cause drowsiness and may result in hyperthermia, loss of consciousness, or even drowning
- ⚠ Warning** If you are pregnant or you feel that you are may be pregnant, consult your doctor before using the bathtub
- ⚠ Warning** Never use any electrical devices such as hair dryer, lamp, telephone, tv, radio, or others within 5 feet of the bathtub
- ⚠ Warning** Do not overfill the bathtub before entering. Entering the bathtub when filled will cause overflow and slippery conditions. Use extreme caution when entering and exiting

Care and Cleaning

- Most dirt will wash off with mild soap and warm water.
- For tough spots, use liquid dish washing soap or non-chlorine bleach.
- Do not use abrasive material such steel wool or scouring pads to clean the acrylic surface.
- Always test the cleaning solution on a small area before using it on the entire surface.
- Do not allow cleaning to soak on the acrylic surface.
- Rinse thoroughly with water immediately and wipe dry with soft cloth.

Repair and Maintenance

- Use liquid polish compound such as Gel-Gloss Kitchen and Bath Polish(TM) to keep the original shine of acrylic surface.
- Light scratches can be removed with polishing compound for automobiles.
- For deeper scratches use wet sandpaper (1500 grit or higher). Always add water when sanding and lightly sand the area larger than the scratch in a circular motion to remove the scratches. Repeat until the scratch is removed. Use soft cloth and small amount of polishing compound to restore shine. Repeat as needed until surface shine is restored.

IMPORTANT!

DO NOT USE: Abrasive cleaners such as: acid, ammonia, bleach, and similar solutions. Use of such solutions may cause corrosion, finish peeling, and/or dull the surface.

DO NOT USE: Abrasive sponges or cloth. Never use steel, wool, or wired brushes that will permanently scratch the surface.

Retain these installation instructions for future reference!

Thank you for using WoodBridge products!

Please don't hesitate to contact us if you have any questions or concerns.

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Or Email: help@woodbridgebath.com

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SCAN ME