

Vectra™

Owner's Manual



IMPORTANT SAFETY INFORMATION

READ AND FOLLOW ALL INSTRUCTIONS

Warning — Risk of injury: Children, the elderly, and the infirm should not use the spa unless they are supervised at all times. Infants should not be permitted in the spa at water temperatures over 100° F (38°C).

Spa water temperature in excess of 104° F is not recommended. High water temperatures in excess of 104° F (40° C) and prolonged periods of use can raise internal human body temperature excessively and impair the body's ability to regulate its internal temperature.

Pregnant women and people with heart circulatory conditions, or diabetes, should consult their physicians before using the spa at water temperatures over 100° F (38° C).

Limit your initial use of the spa to 10-15 minutes. High body temperatures affect people differently; consult your physician about your safety and comfort before using the spa.

If your spa product does not have a thermometer, we recommend that you use a medical (clinical) type thermometer for an accurate measurement of spa water temperatures. Other types of thermometer, generally available, such as those used for swimming pools are not sufficiently accurate to determine spa water temperature.

Extra care should be taken when using the spa and consuming alcoholic beverages. Alcohol, drugs, or certain medications, such as tranquilizers, affect a person's ability to withstand high temperatures and may produce dangerous effects, including drowning. Persons using medication should consult with a physician before using a spa.

Danger — Risk of injury: Do not remove the suction grille! It is a safety device and must always be in place on the suction fitting to minimize the potential hazard of hair entanglement or body entrapment.

Keep body, hair, and clothing a minimum of 12 inches away from suction fitting and skimmers at all times when the spa is operating. Hair longer than shoulder length should be secured close to the head, or a bathing cap should be worn.

Do not operate the spa if the suction cover is broken or missing. Contact your Dealer for replacement cover if broken or missing.

The wet surface of the spa is slippery. Use care when entering and exiting.

DANGER — Risk of child drowning: Do not permit children to use this product unless they are closely supervised. The use of a locked cover is highly recommended to prevent unattended access.

DANGER — RISK OF ELECTRICAL SHOCK: When installing and operating this electrical equipment, basic safety precautions should always be adhered to including the following.

Warning: A wire connector is provided at the electrical cabinet on this spa to connect a minimum No. 8 AWG (8.4 mm²) solid copper conductor between this spa and any metal equipment, metal enclosures of electrical equipment, metal water pipe, or conduit within 5 feet (1.5 m) of the spa.

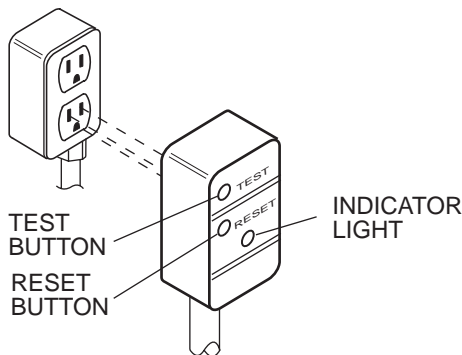
Do not use electrically connected devices such as television, radio, or stereo speakers, lights, cooking devices, or telephones within 5 feet (1.5 m) of the spa while the spa is being used. Lighting fixtures must not be located directly above or within 5 feet (1.5 m) of the spa. If located within 10 feet (3.0 m) of the spa, they must be on a circuit protected by a GFCI (Ground Fault Interrupter Circuit).

All fixed metal objects located within 5 feet of the spa, such as fence posts, railings, door frames, greenhouse structures, gutters, etc., must be attached to the bonding bar on the outside of the spa electrical cabinet using #8 solid copper wire.

With #8 solid copper wire, bond the spa to the house electrical panel or approved local bond.

The spa must be installed with adequate access and water drainage system, refer to Installation Instructions, to drain water away from electrical components.

CAUTION: Do not turn power ON to the spa unless it is filled with water to the normal water level, which is to the water level indicator mark on the skimmer frame. Activating the spa when there is an insufficient amount of water can damage the circulation pump and may cause a fire.



1. The spa is supplied with a 15 foot line cord which terminates with an integral GFCI plug. Locate the spa near enough to a weather protected outlet, but no closer than 10 feet. **DO NOT USE AN EXTENSION CORD!** Using an extension cord is hazardous and will decrease the amount of power to the unit, causing slow heating, poor whirlpool performance, or system malfunction.

2. Replace damaged line cord immediately. Do not bury line cord. Connect to a grounded, grounding type receptacle only.

3. Bring the line cord out from under the skirt. Remove access panel screws to gain access. Make sure the line cord does not lie across a walkway or in a heavily traveled area where it may be a safety hazard or become damaged.

4. At initial start-up and before each use thereafter, test the GFCI. With power ON, the indicator light should be on. If not, press RESET and light should come on. Then press TEST button - light must go OFF. Press RESET for use. If the interrupter fails to operate in this manner, there is a ground current flowing or a device malfunctioning, indicating the possibility of electrical shock. **Turn off power and do not use the spa until the source of the breakdown has been identified and corrected.**

Vectra Whirlpool Spa

OWNER'S MANUAL

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Owner's Record

Date Purchased _____

Purchased From _____

Installed By _____

Spa Serial Number _____ Model # _____

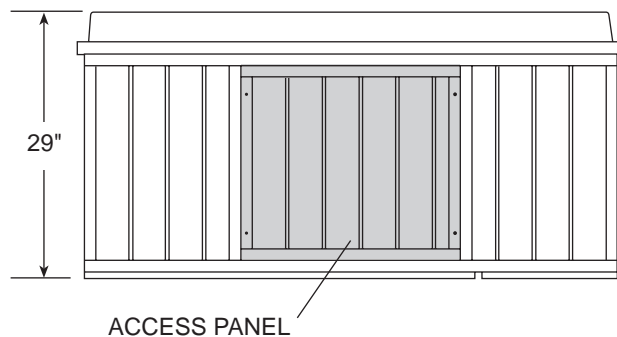
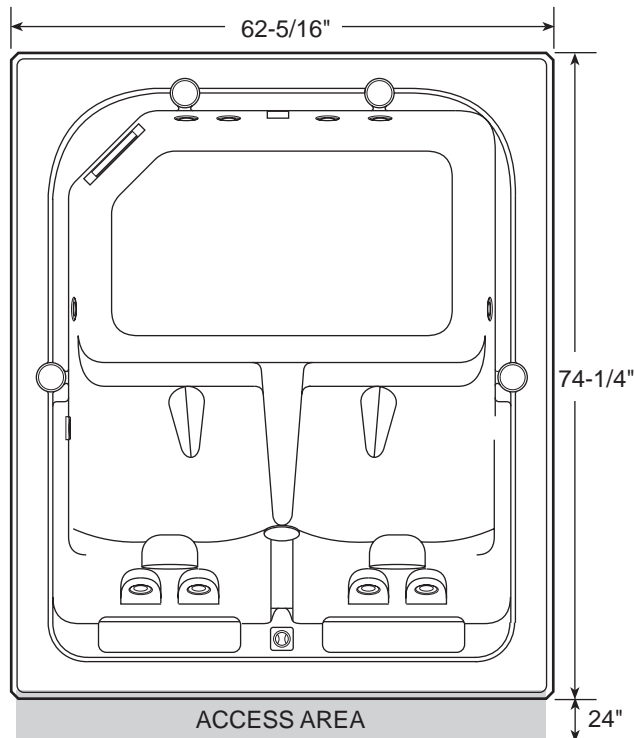
SAVE THESE INSTRUCTIONS

SPECIFICATIONS

Vectra

DIMENSIONS	ELECTRICAL REQUIREMENTS*	TOTAL WEIGHT/ FLOOR LOADING	OPERATING GALLONAGE	PRODUCT WEIGHT
74-1/4" (1886 mm) L 62-5/16" (1582 mm) W 29" (737 mm) H	115 VAC, 15 AMP, 60 Hz Requires Dedicated Separate Circuit. Equipped with GFCI Incorporated in Line Cord	2373lb (1076 kg) 84lb/sq. ft. (411 kg/m ²)	192 U.S. gal (727 liters)	371 lb (169 kg)

Product specifications are subject to change without notice.



TO GAIN ACCESS FOR SERVICE OR MAINTENANCE:
REMOVE SCREWS RETAINING ACCESS PANEL.
(THE WHOLE SIDE PANEL CAN ALSO BE REMOVED
BY REMOVING CORNER POSTS (2) AND SCREWS
RETAINING SIDE PANEL.)
SERIAL NUMBER IS LOCATED BEHIND PANEL.

INSTALLATION

Inspection and Shipping Claim

Check for shipping damage upon receipt of the spa. Jacuzzi Whirlpool Bath is not responsible for damage to the spa sustained during shipping. If damage is evident before unpacking, refer to instructions regarding shipping claims on the outside of the carton and immediately file a claim with the carrier.

Once the spa has been removed from the carton and before it is permanently installed, check the spa completely for damage. Fill the shell with water and operate the system (refer to Operating Instructions) to check for leaks which may have resulted from improper shipment or handling. All Jacuzzi Whirlpool Bath spas are factory tested for proper operation and water tight connections prior to shipment. If leaks or other problems are detected, immediately notify your Jacuzzi Whirlpool Bath dealer, Authorized Service Agent, or call Jacuzzi Whirlpool Bath, (925) 938-7411, or (925) 938-7070 for Warranty Service.

NOTE: Damage or defects which could have been discovered and repaired prior to installation and which are claimed after final installation of the spa, are excluded from our warranty.

Positioning Your Spa

Because your spa is portable, you can locate it just about anywhere you wish—on a deck, patio, or even indoors. Just be sure to position it above ground in an area with good drainage and on a level, continuous surface which can support the weight of the spa when filled with water and people. You must also provide access to the spa's equipment for service and general maintenance. See specifications for minimum service access requirements.

Electrical Requirements

Your spa, as it comes from the factory, has a 115VAC GFCI equipped line cord, and requires a 115 VAC, 15 AMP electrical outlet and must be in a grounded separate circuit having no other appliance connected in that circuit. If you do not have a 115 VAC, 15 AMP circuit, a qualified electrician should be called in to install the necessary wiring. Inadequately sized wiring may cause the unit to malfunction and bring about permanent damage to the spa's electrical system. The circuit must also have a ground wire in order to take advantage of the designed-in safety features of the spa. An approved ground may be an 8 foot long ground rod, a plate electrode, or a buried metal water pipe with at least 10 feet of buried pipe. Check your local building code for requirements. A bond wire must also be used. Bond according to procedure described on page 4.

WARNING

Without proper grounding and bonding, a system malfunction may cause fatal shock.

The continuous service ground wire is located in the line cord supplied. Do not modify this cord in any way! Tampering with the ground wire or using an adaptor which would make the built-in grounding device and GFCI ineffective would cause electrical shock. Such modification would also nullify the warranty.

CAUTION

Do not plug in the spa unless it is filled with water to the normal water level, which is approx. 6" below the spa rim. If the spa's motor/pump is actuated when there is not sufficient water in the unit, the circulation pump could be irreparably damaged. Not heeding this caution will nullify the warranty. In addition to damaging the unit, operating the unit with insufficient water could cause a fire.

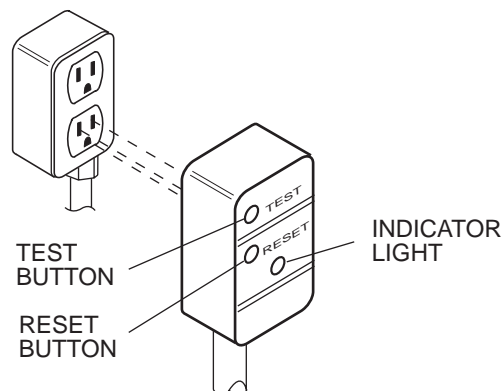
Electrical Precautions

The spa is supplied with a 15 foot line cord which terminates with an integral GFCI plug. Locate the spa near enough to a weather protected outlet, but no closer than 10 feet. **DO NOT USE AN EXTENSION CORD!** Using an extension cord is hazardous and will decrease the amount of power to the unit, causing slow heating, poor whirlpool performance, or system malfunction.

Replace damaged line cord immediately. Do not bury line cord. Connect to a grounded, grounding type receptacle only.

Bring the line cord out from under the skirt. Remove access panel screws to gain access. Make sure the line cord does not lie across a walkway or in a heavily traveled area where it may be a safety hazard or become damaged.

At initial start-up and before each use thereafter, test the GFCI. With power ON, the indicator light should be on. If not, press RESET and light should come on. Then press TEST button - light must go OFF. Press RESET for use. If the interrupter fails to operate in this manner, there is a ground current flowing or a device malfunctioning, indicating the possibility of electrical shock. **Turn off power and do not use the spa until the source of the breakdown has been identified and corrected.**



INSTALLATION

Outdoor Installation

If you install the spa outdoors, we recommend that you provide a concrete pad for it to rest on. To do this, construct forms for a 4" thick level pad. Install a #10 gauge wire mesh 6" x 6" steel reinforced grid. Attach a #8 solid copper wire to the grid with a ground clamp. This wire should be long enough to reach the bond bar on the spa electrical cabinet (minimum 36"), but should **not** be located under the base of the spa. Then pour the concrete pad.

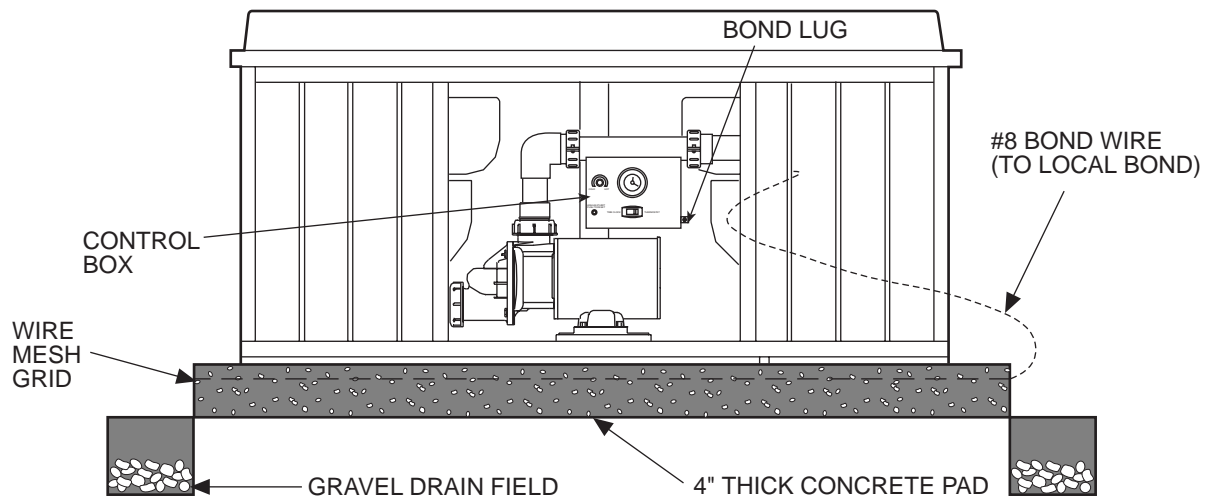
Indoor Installation

Water that splashes on the floor during spa use may cause a walking hazard and/or structural damage. Good drainage must be provided and proper waterproof building materials must be used in the area surrounding and beneath the spa. Take into consideration that high room humidity will exist due to high spa water temperatures. Providing natural or forced ventilation of the room will help maintain comfort and minimize moisture damage to the building. Jacuzzi Whirlpool Bath is not responsible for damages resulting from excess moisture or water spillage. Consult an architect or engineer for aid in designing your indoor installation.

Drainage

Whether you install your spa indoors or outdoors, you can drain it completely by attaching a garden hose to the hose bibb located on the suction plumbing of the spa. Simply run the hose to the house sewer line or drain field and open the hose bibb.

Make sure the area surrounding the spa has good drainage to keep water from collecting at the base of the spa—especially near the equipment area. If drainage is poor, install a drain line and/or gravel drain field. (Refer to illustration below.)



INSTALLATION

Equipment Set-Up

1. Remove the plastic sheet covering the spa.

NOTE: Stepping into the spa with shoes will scratch the acrylic surface.

2. Remove any packing materials from the spa.
3. Remove the filter cartridge from its plastic bag.
4. Pull open the skimmer/filter door by the handle located in the middle of the door and remove the skimmer basket. Then insert the filter cartridge into the filter housing and reinsert the basket so that it fits in place over the filter cartridge and close the skimmer/filter door.
5. Clean the interior of the spa of any remaining construction debris. Remove stubborn stains, paint, or tar with turpentine, isopropyl alcohol or paint thinner. A mild liquid dishwashing detergent on a damp cloth is fine for cleaning off other dirt. Plaster can be removed by scraping with a soft plastic or wooden edge. Do not use a metal scraper, wire brush, or other metal tools, as they will damage the spa's surface.
6. Remove access panel. Uncoil line cord and feed through mouse hole. Connect to a separate 115V 15 AMP circuit.
7. On initial start-up, it is necessary to purge and sanitize the system as stated below.
 - Remove the spa cover completely.
 - Close the hose bibb on the suction plumbing (To gain access to the hose bibb remove access panel as shown under specifications.).
 - Open the adjustable jets.
 - Fill the spa with water to its normal operating level, which is to the water level indicator mark on the skimmer/filter frame.

- Turn ON the circuit breakers at the main electrical panel. Test GFCI.
- At the control panel on the spa rim, press the control button three times for high speed pump operation.
- Add 1/4 cup sodium dichlor (a fast dissolving granular type of chlorine) to the water and run for 15 minutes.
- Turn OFF the circuit breakers.
- **Immediately** open the drain valve and drain the spa completely.

CAUTION: Leave the optional cover OFF the spa during this procedure. DO NOT use the spa during this procedure. Drain the spa immediately afterward.

8. Close the hose bibb and fill the spa with water (approximately 6 inches below the spa rim) to the water line indicator mark on the skimmer frame.
9. Turn ON circuit breakers at the main panel.
10. Test the spa for proper operation. (Refer to Operating Instructions.)
11. Refer to Water Quality section of the Operating Instructions. Test for water quality and then add treatment chemicals as necessary to ensure proper water quality levels.

All Jacuzzi Whirlpool Bath spas are factory tested for proper operation and water tight connections prior to shipment. If leaks or other malfunctions are detected, immediately notify your Jacuzzi Whirlpool Bath dealer, Authorized Service Agent, or call Jacuzzi Whirlpool Bath, (925) 938-7411 or (925) 938-7070 for Warranty Service.

OPERATION

Operating Instructions

Initial Instructions

Using a garden hose, fill the spa with water to the water line indicator mark on the skimmer frame.

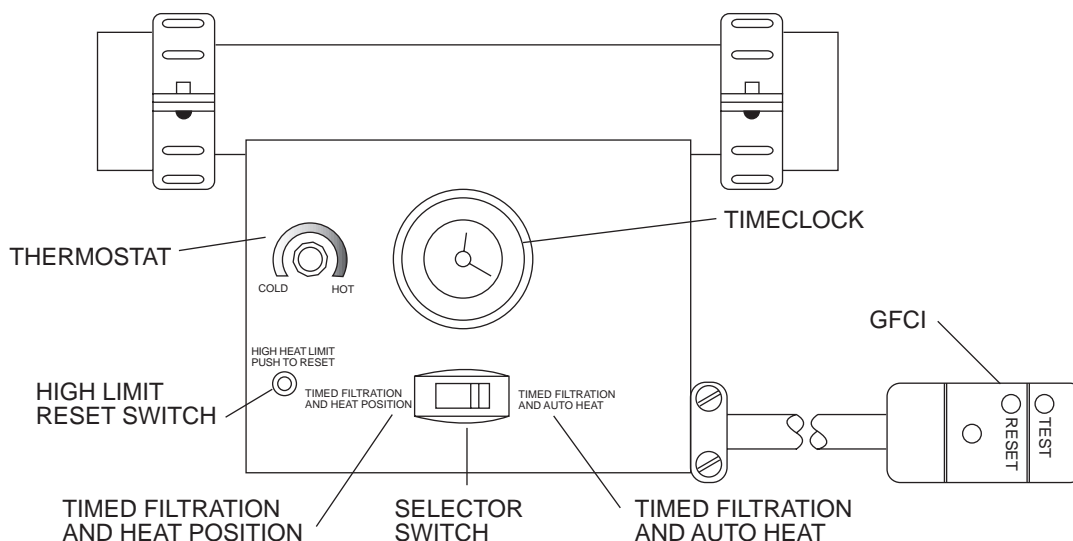
WARNING: Do not provide power to the spa unless it is filled with water to the normal water level. Refer to water line indicator mark on skimmer frame. Whenever the power is ON, the system will activate even though no controls are operated. When there is not sufficient water in the unit with the spa's motor/pump actuated, the circulation pump and heater could be irreparably damaged. Not heeding this caution will nullify the warranty. In addition to damaging the unit, operating the spa with insufficient water could cause a fire.

At the house service panel, turn ON the circuit breaker or switch that controls the electrical service to your spa. Make sure there is no other appliance on that circuit.

Your spa is provided with a Ground Fault Circuit Interrupter (GFCI) on the cord end. At initial start-up and before each use thereafter, with power on, push test button on the GFCI. The reset button should pop out. Push this button in to reset. If the interrupter fails to operate in this manner, there is a ground current flowing or a device malfunctioning, indicating the possibility of electric shock.

Turn OFF power and do not use the spa until the source of the problem has been identified and corrected.

Control Panel



Temperature Control

To increase the temperature, turn the thermostat clockwise to the desired setting. To reduce the temperature, turn the knob counter clockwise.

Selector Switch

This switch selects the unit's heating and filtering functions.

Timed Filtration and Heat Position

In this position, the spa will heat and filter only when the clock comes on.

Timed Filtration and Auto Heat Position

If the temperature falls below that set by the thermostat, the low pump and heater will come on and run the spa until the thermostat setting is reached. To increase the temperature, turn the Temperature Control Knob clockwise to the desired setting. To reduce the temperature, turn the knob counter clockwise. Filtration is controlled by the time clock.

Filter Cycles & Setting Timer

The clock operates the spa's filtration cycles.

To set the time of day: rotate the entire dial until the clock indicates the correct time of day.

To set the filtration cycles: locate the tabs for the time periods for filtration and push from the inside towards the outside. Press one tab for each 15 minutes of the filter period. The entire group of tabs between the on-time and the off-time must be depressed. It is suggested that the spa filter for at least 4 hours a day. This time can be divided into 2 cycles 12 hours apart.

Over Heat Protection

In the event the spa should overheat, the spa will shut down. If this situation occurs, turn off all power to the spa and contact your dealer or service organization. To reset the spa, press the High Limit switch. The time of day may also have to be reset.

OPERATION

Normal Operation/Whirlpool System

You can enjoy the spa with or without activating the whirlpool. Either way, bathing in your spa can be pleasurable, as well as therapeutic. After a busy, stressful day, you can look forward to soaking in your spa in still water with no turbulence—only the gentle warmth of the soothing and relaxing water.

For a more invigorating spa experience, you can take advantage of the built-in whirlpool system. Sit or recline in the spa so you are comfortable. The Magic Touch® whirlpool switch, conveniently located between the built-in headrests, allows you to turn the whirlpool system on while in the spa. Simply push down on the switch button to turn on the whirlpool system. Pressing once turns on high speed jets. Pressing a second time turns off the whirlpool.

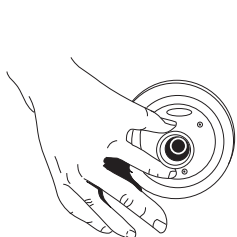
Since the jets are directionally adjustable, you can direct a jet toward an area where muscles feel tense or stiff. The warmth of the water and the stimulating water flow from the jets will pleasantly increase circulation.

For the total whirlpool effect and all over feeling of well being, you can adjust the jets so they point in a clockwise or counterclockwise direction to circulate the air and water mixture in a whirlpool all about the spa.

MAGIC TOUCH SWITCH



DIRECTIONALLY ADJUSTABLE WHIRLPOOL JETS

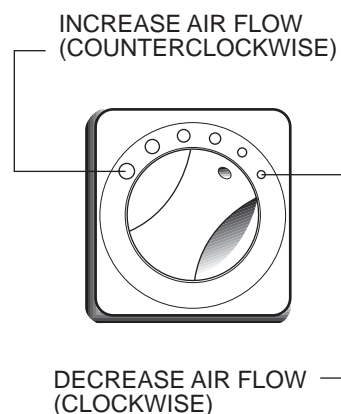


FULLY ADJUSTABLE WHIRLPOOL JETS

Silent Air Induction

The intensity of the whirlpool action is determined by how much air is inducted into the water. You control this by adjusting the air induction control knobs located on spa rim. For maximum air induction, rotate each control knob fully counterclockwise to the largest circle. For fewer air bubbles, decrease the amount of air induction by rotating the control knobs clockwise. When the knobs are turned to the smallest circles, only water is being circulated. (Refer to illustration below.)

AIR INDUCTION CONTROLS



MAINTENANCE

Water Quality and Water Chemistry

Maintaining water quality and water chemistry in your spa is extremely important and should be a regular part of your spa maintenance program, as a neglected spa can be a breeding place for dangerous bacteria.

The water quality of your spa is maintained by a combination of filtration and chemistry. The spa's integral filter system helps maintain the water cleanliness and clarity by trapping most solid materials such as hair, and other debris resulting from normal use. However, the most important part of maintaining water chemistry is keeping the proper level of disinfectant in the water at all times. This is accomplished by adding chlorine to the water, which will control particles too small to be trapped by the filter, such as bacteria and algae, and will oxidize any organic materials. Follow instructions provided here and with water quality products for the health and safety of spa users, as well as to make your spa bathing as enjoyable as possible.

Filtration

The filtration system of your spa will keep your water clear and clean if used properly. The filter cartridge elements will trap most solid materials and debris in the water. However, the presence of materials such as body oils or other particles which are too small to be captured in the filters may bring about various undesirable water quality conditions. These conditions can be corrected with the use of spa treatment chemicals which are available from your Jacuzzi Whirlpool Bath dealer. Such conditions include the following:

Foaming: A defoamer is available to minimize foaming of the water. This condition is usually caused by the addition of soaps or oils, or other fatty substances to the spa water. The interaction of these with hot water, especially at high pH (more alkaline), will cause the water to foam. (Refer to Water Quality Definitions.)

Oil Film or Cloudy Water: Add clarifier to congeal oil film on the water surface into globules sufficiently large to be trapped by the system's filter. Cloudiness is caused by particles that are too small to be trapped in the filter, and is also due to the presence of human body oils, lotions, and cosmetics. During normal use, these materials can accumulate on the filter element and clog its pores. The addition of clarifier will make the water clearer, but clogged filters must be cleaned as prescribed under the section entitled Filter Maintenance in this manual.

Hard Water: Add a demineralizer to break down or deionize mineral particles present in the spa water.

Follow the Filter Maintenance procedure described in this manual to ensure optimum performance of your spa's filtration system.

Water Chemistry

You can ensure better water chemistry by testing your spa water every day and adjusting the chemical balance frequently. Obtain a water quality test kit, designed especially for spas, from your Jacuzzi Whirlpool Bath dealer. The test kit must be of the type which allows you to test for the disinfectant (chlorine) level, pH, and total alkalinity. Ensure that the chemicals used in your spa are especially for spa use, and not for swimming pools, as water quality maintenance of spas and of swimming pools is very different.

Set up a daily program at first to check the disinfectant level, pH, and total alkalinity of the water. Familiarize yourself with the amount of chemicals to add and to determine how often to make chemical adjustments during normal use. Remember that the more heavily the spa is used, the more often you should check the water chemistry.

When adding any chemicals, always run the filter system to ensure complete dilution with the water.

Do not add chemicals directly into the skimmer.

MAINTENANCE

Water Chemistry (Continued)

Disinfecting

When filling the spa for the first time, follow the purge/sanitizing instructions in the Equipment Set-Up procedure of the Installation Instructions.

Add chlorine to the water on a regular basis to help control the amount of bacteria, algae and organic materials. Such bacterial contaminants, if not controlled, could cause skin rashes or other physical problems. To disinfect the spa for normal use, first establish the amount of chlorine to add and determine how often you need to add it.

We recommend that you maintain a free chlorine level of 2.0-5.0 ppm at all times except when you must exceed that during the initial purge/sanitizing procedure or during superchlorination (refer to Water Quality Definitions below). Superchlorinate your spa every two weeks with heavy use. If using sodium dichlor, add one heaping tablespoon for each 150 gallons of spa water. Scrub the spa surfaces with this solution to remove any oily deposits. This will ensure that any bacteria or algae which are resistant to the normal disinfectant level are killed. After adding the disinfectant, run the filter system and allow the free chlorine level to return to the 2.0 to 5.0 ppm range before using the spa again.

Do not install a cover until the disinfectant level is back to normal. High concentrations of chlorine will damage metallic plated finishes if the cover is in place.

Balancing pH

For good hygiene and equipment longevity, maintain the pH of your spa water according to the instructions provided. pH is the measure to determine if the spa water is too acidic (low pH), or too alkaline (high pH). The ideal range for spa water is 7.4 to 7.6 pH. For excessive acidity (below 7.2 pH) add soda ash or sodium bicarbonate to the spa water. For excessive alkalinity (above 7.6 pH) add dry acid to the spa water.

CAUTION: Refer to the spa chemical manufacturer's instructions for the initial amount of chemicals to add for the gallonage of your spa. Low pH can cause equipment damage, as acid water will dissolve metals, while high pH can cause scale or calcium deposits to build up in the system or on the shell. After adding chemicals, run the filter system for at least 30 minutes before testing water quality again for accurate readings.

Balancing Total Alkalinity

Total alkalinity is the measure of alkaline materials in the water. The recommended range for total alkalinity is between 80 ppm and 150 ppm. If the chemistry of the water is not within this range, you will have difficulty adjusting your pH level, which will affect your adjustments for the proper amount of free available chlorine. If the alkalinity of your spa water is high, it is advisable to drain the water from the spa and begin the balancing process over again. Purge and sanitize your spa (according to instructions in Equipment Set-Up section of the Installation Instructions) and clean the spa surfaces thoroughly before refilling with fresh water. Then reestablish water chemistry. If the spa is used heavily, change the water at least every month.

WATER QUALITY DEFINITIONS

pH: A chemical term used in expressing relative acidity or alkalinity in numeric values with 7.0 usually regarded as neutral, and for purposes of this manual, indicating pure water. From 7 to 0 indicates increasing acidity, and 7 to 14 indicates alkalinity.

PPM: Parts per million.

Ozone: triatomic oxygen (O_3), a gas found commonly in nature, which, when dissolved in spa water helps to destroy impurities and contaminants.

Free Chlorine: Chlorine that has not combined with other chemicals and that is available to destroy bacteria in the spa water.

Trichlor: A form of chlorine used in pool or spa water treatment; usually supplied in tablet form. Not recommended because of its higher acidic nature and slow dissolving action. Prolonged contact with the spa shell may bleach or permanently mark the shell.

Sodium dichlor: The type of chlorine that is recommended for spa use, as it is available in fast dissolving granular form. It is neither excessively acid nor alkaline in character and does not readily dissipate in higher water temperatures.

Calcium Hypochlorite: A granular chlorine product that is inexpensive and effective but not recommended because it often tends to form calcium deposits on heater parts and plumbing fittings and leaves an unattractive film on the spa at the water line.

Sodium Hypochlorite: A liquid chlorine product that is inexpensive and effective but not recommended because the liquid is readily spilled onto the spa or a surrounding area, causing permanent damage.

Total Alkalinity: The measure of the amount of alkaline materials (such as carbonates, bicarbonates and hydroxides) in the water. High alkalinity inhibits the effectiveness of chemicals to change the pH. If the alkalinity of your spa water is high (above 150 ppm), it is advisable to drain the water from the spa and begin the balancing process over again. Low total alkalinity (below 60 ppm) could be corrosive and damage your spa system.

Superchlorination: (Also referred to as shock treatment.) The addition of an above-normal level of disinfectant to kill any bacteria or algae that might have become resistant to normal levels of disinfectant.

MAINTENANCE

Water Level/Drain

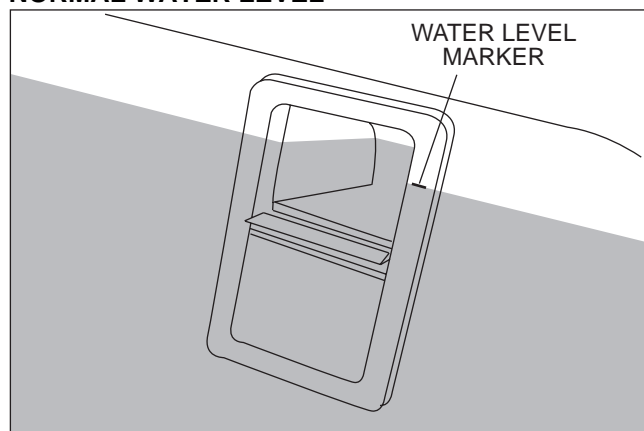
The water level in the spa must be maintained at its normal level. Evaporation and splashing will cause the water level to drop.

When concentrations of impurities from evaporation, water quality chemicals, body oils, perfumes, dirty feet, and winds, etc., accumulate in the spa and cannot be filtered out, it is necessary to drain your spa and refill it with fresh water. This should be done every 2 months or more often depending on the amount of use.

To drain the spa, turn **OFF** circuit breakers at the main electrical panel. Connect a garden hose to the hose bibb. Turn the handle and drain the spa.

After draining the spa, clean the spa shell, suction cover, skimmer, and filter. Close the hose bibb. Then refill the spa with fresh water. Check the pH level and maintain water quality.

NORMAL WATER LEVEL



The suction cover located in the foot well area should be checked at least once a week for collected debris, such as leaves, hair, etc., and cleaned as necessary. It may not be necessary to remove the suction cover to clean it, but if you need to, remove the center screw with a Phillips screwdriver and clean the cover by flushing with water from a hose.

CAUTION: Ensure replacement of the suction cover immediately after cleaning. It is a safety device and must be in place over the suction fitting to minimize potential hazard of hair and body entrapment.

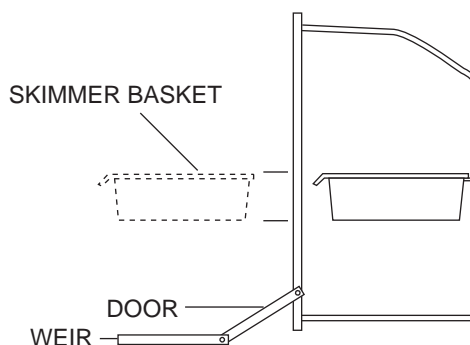
If heavy rains raise the spa water level, drain the spa to its normal level.

A spa cover (available as an option), when in place over the spa, will help reduce evaporation and control the amount of debris entering the spa when the spa is not occupied. In addition, its use will reduce energy consumption.

Skimmer Basket Maintenance

The basket located in the skimmer of the spa should be checked at least once a week for collection of debris, such as leaves, hair, etc., and cleaned as necessary. To clean the basket, remove it from the skimmer by pulling it out, then backflush it with water from a garden hose and reinstall.

SKIMMER BASKET ACCESS



Filter Maintenance

The filter cartridges should be checked periodically. In normal use, check them at least once a month. Keep them clean. An obstructed filter cartridge reduces water quality and inhibits proper system performance.

Removable filter cartridges are located inside the filter well. To remove them, lift the well cover, then pull the filter cartridges upward and out of the well by the loop at the top of the filters. Clean the filter by separating the folds of the filter and spraying with fresh water from a garden hose. Then reinstall the cartridges into the well reversing the above procedure. See Equipment Setup. If you are using the spa water treatment cartridge, this is an ideal time for replacement. The spa water treatment cartridge should be replaced every 4 months of operation.

Oils will coat the filter, resulting in a reduced flow. To remove such materials, soak the cartridge in a plastic pail containing a commercial filter cleaning solution (available from your Jacuzzi Whirlpool Bath dealer or most pool supply stores). Follow the manufacturer's instructions for use. Another method is to soak the filter cartridge in a plastic pail containing a mild solution of trisodium phosphate (TSP) and water. An hour of soaking time is usually required to break down oil coatings from the cartridge. Use a stronger solution of TSP and water to remove algae. Most hardware or paint stores stock TSP. Use the same method of cleaning when the cartridge becomes plugged with clay or vegetation. Replacement cartridges are available through your Jacuzzi Whirlpool Bath dealer.

MAINTENANCE

Automatic Filtration/Maintenance

If you plan to be away, minimum water quality will be maintained by running the filter system.

If you will be away for an extended period, however, we recommend that you drain the spa (following the procedure described under Winterizing on this page), as long periods without maintenance of water quality could be detrimental to the spa.

NOTE: We do not recommend using this procedure if you are absent during the summer, when algae buildup is most likely.

Always keep your spa covered when not in use to reduce heat loss and evaporation and to prevent debris from falling in.

Winterizing

In a climate where winter temperatures are below freezing, follow this procedure when the spa will NOT be used:

1. Turn OFF power to the unit at the main electric panel.
2. Drain the spa completely by attaching a garden hose to the hose bibb on the suction plumbing. Then remove the hose and leave the drain valve open to completely drain the spa.
3. Remove, clean and store the filter cartridges, in a dry location.
4. Keep water and debris out by covering with a spa cover.

Before using the spa again, review the Operating Instructions.

Factory Installed Wooden Skirt

Your spa is supplied with a factory-installed stained wooden skirt which completely surrounds the spa. The door can be opened for maintenance.

If it becomes necessary to remove one or more of the skirt panels for major service access, simply remove the screws with which the section is secured.

To detach any of the panels, first remove all screws from the panel being detached.

The panels can be reattached to the spa by reversing the above procedure.

MAINTENANCE

Cleaning Your Spa

Your spa shell consists of two layers of plastic materials. Its smooth top surface of acrylic is tough and durable and contains concentrated color. This is supported by a substantial thickness of fiberglass-reinforced polyester resin. A catalyst causes a chemical reaction during manufacture that bonds these layers permanently into a hard, strong material. With a minimum amount of care and cleaning, your whirlpool spa will look new for years.

To clean your spa, simply use a mild, nonabrasive liquid detergent, isopropyl alcohol, or commercially prepared spa cleaner. **Do not use abrasive cleaners.** You can protect and restore the gloss to a dulled surface by applying Meguiar's #10 Mirror Glaze, which is a product specifically designed for use on acrylic finishes. If Meguiar's is not available, an acrylic polish of equal quality or automotive paste wax will do.

Use a spa cleaner for residue buildup at the water level of the spa surface. This may be applied to the acrylic surface with a soft cloth and wiped clean. Use sparingly in small amounts to avoid contaminating the spa water. If the water line is heavily soiled, it may be advisable to lower the water level 2-3 inches before cleaning; then refill to normal level.

Covering Your Spa

An optional rigid spa cover for your spa is available from your Jacuzzi Whirlpool Bath dealer. Use of this cover will help to reduce energy costs by minimizing heat loss and evaporation. In addition, the attractive cover is an effective means of preventing debris such as leaves and dirt from entering your spa when not in use. Follow the instructions for use and care provided with the spa cover.

CAUTION: The spa cover is not designed to support any weight. Therefore, as a safety precaution and to preserve the life of your cover, you must not sit, stand, or lie on it; nor should you place objects of any kind on top of it.

Jacuzzi Whirlpool Bath does not guarantee or warrant this cover. Refer to spa cover manufacturer's information provided with the cover.

Repairs to the Acrylic

Minor scratches which do not penetrate the color finish (acrylic) can be removed with 600-grit wet/dry sandpaper. Restore the glossy finish with Meguiar's #10 Mirror Glaze or comparable automotive paste wax.

Major scratches or gouges which penetrate the acrylic surface will require refinishing. Ask your Jacuzzi Whirlpool Bath dealer for special instructions.

**PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
USE INSTALLATION INSTRUCTIONS SUPPLIED WITH PRODUCT.**

Jacuzzi Whirlpool Bath has obtained applicable code (standards) listings generally available on a national basis for products of this type. It is the responsibility of the installer/owner to determine specific local code compliance prior to installation of this product. Jacuzzi Whirlpool Bath makes no representation or warranty regarding, and will not be responsible for any code compliance.

JACUZZI WHIRLPOOL BATH

Jacuzzi Whirlpool Bath National Headquarters

P.O. Drawer J, Walnut Creek, CA 94596 (925) 938-7070

Service Support: Call (800) 288-4002



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Jacuzzi Whirlpool Bath Limited Warranty

Vectra Spa

WARRANTY COVERAGE

Jacuzzi Whirlpool Bath (the "Company") offers the following express limited warranty to the original purchaser of any Jacuzzi Whirlpool Bath Spa Line Product ("unit") who purchases the product for personal or single family use ("user"). The Company will repair or replace, at its option, the unit or its equipment in accordance with the following terms and conditions.

FIVE YEAR LIMITED WARRANTY ON VESSEL

The spa shell is warranted against water leakage caused by a defect in material or workmanship for five (5) years from the original date of purchase. Specifically excluded is water leakage in the plumbing fixtures, connections, water systems or equipment provided with the spa. Units determined by the Company to be non-repairable will be replaced on a prorated basis with the same or a comparable unit. The User will be charged one (1) percent of the current retail cost for each full month of ownership from the date of purchase through the date failure is determined to be non-repairable. This charge will be waived during the first twelve (12) months of ownership.

ONE YEAR LIMITED WARRANTY ON SURFACE

The interior acrylic surface is warranted against blistering, cracking, or delamination caused by a defect in the acrylic material for one (1) year from the original date of purchase. Specifically excluded are scratches and damage caused by normal use.

ONE YEAR LIMITED WARRANTY ON EQUIPMENT

The spa equipment (e.g., heater, filter, pump, motor, etc.) is warranted against defects in material or workmanship for one (1) year from the original date of purchase. During the first six months of the warranty period, parts and labor are covered. During the next six months, only parts are covered.

Spa skirts are covered for six (6) months for parts only.

WARRANTY LIMITATIONS

Our warranty does not cover defects, damage, or failure caused by the common carrier, installer, user, or other person, or resulting from, without limitation, any of the following: careless handling (lifting unit by plumbing, abrading finish, etc.); modification of any type for any reason (including modification to meet local codes); improper installation (including installation not in accordance with instructions and specifications provided with the unit); connections supplied by the installer of the equipment; improper voltage supply or unauthorized electrical modification; misuse; incorrect operation, or lack of proper routine maintenance; operation of the unit without specified minimum amount of water or at inappropriate water temperature; failure to maintain proper water chemistry and chemical balance; improper storage of chemicals; failure to properly winterize against freezing; use of abrasive or improper cleaners; or acts of God, such as lightning, floods, earthquakes, etc.

In addition, THE COMPANY WILL NOT BE RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES or losses arising from any cause (e.g., water damage to carpet, ceiling, loss of use, etc.) including its own negligence; damages to, respecting, or resulting from: discoloration, warpage or deterioration of wood skirts due to water displacement or environmental exposure; failure of spa covers; failure of ozone generators; optional spa equipment not manufactured by the Company, supplied by Dealer, installer or the Company; the unit's prior usage as an operational display; or defects that should have been discovered before installation. This limited warranty does not include: labor, transportation, or other costs incurred in the removal and/or reinstallation of the original unit and/or installation of a replacement unit; any costs relating to obtaining access for repair; or loss of use damage, including loss of sales, profit or business advantage of any kind under any circumstances. Spa units in commercial use are excluded from any warranty coverage whatsoever.

Warranty coverage is provided in the United States of America only.

IMPLIED WARRANTIES

All implied warranties of merchantability and fitness for a particular purpose are equal in duration with the express warranties set forth herein.

NOTICE: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. There are no warranties applicable to Jacuzzi Whirlpool Bath products except as expressly stated herein or as implied by applicable state and federal laws. The Company will not be responsible for any statements or representations made in any form that go beyond, are broader than or are inconsistent with any authorized literature or specifications furnished by the Company.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

RETURN OF WARRANTY CARD

The attached pre-addressed Warranty Registration Card MUST be filled out by the purchaser within thirty (30) days from purchase and mailed to Jacuzzi Whirlpool Bath in order for this warranty to become effective.



Jacuzzi Whirlpool Bath
P.O. Drawer J
Walnut Creek, CA 94596-9885

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 and in 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. The Company 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.

It is the responsibility of the installer, building contractor, or user to provide access for service. The Company is not responsible for any costs relating to obtaining access for repair. The user shall bear such costs and, if appropriate, must seek recovery from the installer.

Damage occurring to the unit during installation is the responsibility of the installer and/or building contractor and damage occurring thereafter is the responsibility of the user.

Failure of any optional equipment is the sole responsibility of the equipment manufacturer. (Options and accessories manufactured by the Company are warranted for ninety (90) days from the original date of purchase for parts only.)

The Distributor or Dealer is responsible for knowing local code requirements and notifying the installing contractor and/or user of these requirements at the time of purchase. The Company is not responsible for costs to modify any product to obtain any code approval, such as city, county, or state building codes.

WARRANTY SERVICE

For the customer's benefit, the Company maintains a list of independent service personnel to perform required warranty service repairs. Such firms are not agents or representatives of the Company and cannot bind the Company by words or conduct.

The Company will provide the warranty service described above when the following conditions have been met: the failure is of the nature or type covered by the warranty; the user has informed an Authorized Jacuzzi Whirlpool Bath Service Agent or Warranty Service Department Representative of the nature of the problem during the warranty period; conclusive evidence (e.g., proof of purchase or installation) is provided to the foregoing by the user proving that the failure occurred or was discovered within the warranty period; an authorized independent service person or Company representative has been permitted to inspect the unit during regular business hours within a reasonable time after the problem was reported by the user.

In order to obtain warranty service, call or write:

Jacuzzi Whirlpool Bath
Warranty Service Department
P.O. Drawer J
Walnut Creek, California 94596
Call: (925) 938-7411

To obtain warranty replacement for factory-installed components for Company supplied options and accessories manufactured and supplied by the Company, call or write the above. Provide a description of the problem and proof of purchase. You will be instructed how to obtain replacements and where to return the failed component(s), option(s), or accessory(ies) at your expense.

All replacement parts, equipment, and repairs shall assume the remaining warranty period of the part(s) replaced.

The Company's warranty obligation shall be discharged upon tender of replacement or repair. The customer's refusal to accept the tender terminates the Company's warranty obligation.

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Ninety-Day
Parts Only
Limited Warranty
On
Accessory(ies)



Warranty Registration Card

This card must be filled out and returned to the address printed on the other side within thirty (30) days from date of purchase in order for this warranty to be come effective.

Purchaser's Name _____

Purchaser's Address _____

City _____ State _____ Zip _____

Date of Purchase _____

Model Name _____

Serial Number _____

Dealer's Name _____

Dealer's Address _____

1. How did you first hear about this Jacuzzi® product?

() Advertisement () Article in Magazine/Newsaper

() Visited Dealer/Plumbing Supplier () Yellow Pages

() Builder/Plumber/Remodeler () Decorator/Architect

() Visited Retailer/Home Center Store

() Word of Mouth ... Friend/Relative/Acquaintance

() Other ... Please Describe _____

2. Who first gave you specific information about this product (specifications, prices, etc.)?

() Dealer/Plumbing Supplier () Builder () Remodeler

() Plumbing Contractor () Retailer/Home Center Store

() Decorator/Architect () Already Installed

3. What was the main reason for purchase?

() Styling () Warranty Service () Product Features

() Brand Name () Price () Hydrotherapy

() Home Resale

() Other _____

4. Who finally decided which product you would buy?

() Self () Spouse () Self and Spouse Together

() Other Family Member () Designer/Architect

() Builder/Plumber/Remodeler () Already Installed

5. Who installed?

() Contractor/Plumber when remodeling

() Self/Spouse when remodeling

() Other _____

6. What is the current market value of this property?

Please estimate \$ _____ Years _____

7. What is the age of the head of the household?

() Eljer () Lascio () Price Plister

() Kohler () American Standard () Sterling

() Other (Specify) _____

8. How long did you shop before purchasing unit?

() 1 day () 2 months-6 months

() 2-7 days () 6 months-1 year

() 1 week-2 weeks () 1 year-2 years

() 2 weeks-4 weeks () +2 years

() 1 month-2 months

9. Approximately how long have you lived in this home?

Please indicate, approximately, the total annual income of your household.

() Up to \$24,999 () \$50,000 to \$74,999

() \$25,000 to \$29,999 () \$75,000 to \$99,999

() \$30,000 to \$39,999 () \$100,000 to \$149,999

() \$40,000 to \$49,999 () \$150,000 and Above

10. Was your purchase process?

() Very easy () Easy () Difficult () Very difficult

11. How technically aware were you of the patented Jacuzzi® jet system prior to your purchase?

() Not aware () Somewhat aware () Very aware

JACUZZI WHIRLPOOL BATH

P485000