

AQUA GLASS® PURE INDULGENCE®

Soaking Tubs, Air Tubs & Whirlpools

INSTALLATION AND OPERATING MANUAL

Congratulations on the purchase of your new Aqua Glass bathing fixture.

This manual covers the installation, operation, maintenance and servicing of your Aqua Glass soaking tub, air tub or whirlpool.

Tools you might need:

- 6D Galvanized nails or Screws
- Phillips Screwdriver
- Caulk
- 36" Level
- Tape Measure
- Hammer
- Wooden Shims for Leveling
- Internet Access
- Utility Knife

1.0 BEFORE THE INSTALLATION

1.1 Please allow your new Aqua Glass bathing fixture to remain in the packaging until time for installation.

1.2 Each and every Aqua Glass bathing fixture is carefully inspected and packed for shipment. As you unpack the bathing fixture, inspect it for any problems and report damage to the distributor. Please be sure to read all instructions supplied with your new bathing fixture before beginning installation.

1.3 Make every effort to protect your new bathing fixture before, during and after installation. It is best to store your bathing fixture inside away from excessive heat. **DO NOT LIFT OR SUPPORT THE WHIRLPOOL BY THE PLUMBING SYSTEM (PIPES).**

1.4 Keep in mind Aqua Glass bathing fixtures are designed for alcove (inset within a wall) or drop in installation. If your specific model does not have a skirt or other form of access to service the motor, pump, electrical connections or plumbing, alternative access plans should be decided at this time. **(Figure 1)**

Some Aqua Glass models do feature removable skirts and access panels, however **IF YOUR SPECIFIC MODEL DOES NOT HAVE A REMOVABLE ACCESS PANEL, ONE MUST BE CONSTRUCTED.** A 2' X 2' ACCESS PANEL IS RECOMMENDED. Some models feature a pump and an air blower; therefore two (2) access panels

may be necessary.

1.5 Before beginning the installation, be sure to determine drain and water connection locations while considering options for access to each. The following suggestions may be helpful:

- a. In the event the bathing fixture will be against a masonry wall, an access wall should be constructed (6) six inches away from the masonry wall.
- b. In the event the bathing fixture is against a masonry wall, furring strips should be applied to the masonry wall to anchor the bathing fixture. (Note: Applies to bathing fixtures with skirts.)

1.6 If your bathing fixture is equipped with optional features and accessories, on-site measurements must be used because possible modifications may be necessary to the decking material.

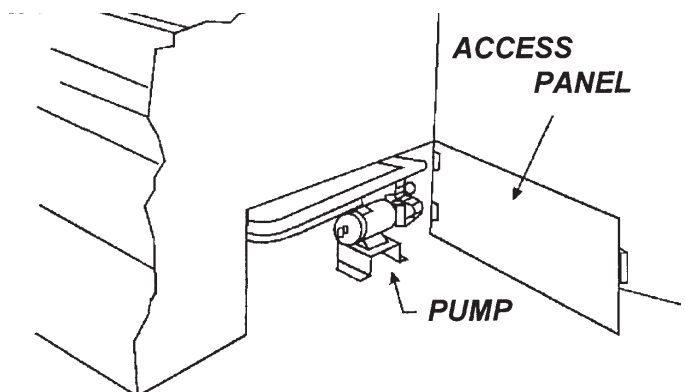


FIGURE 1

2.0 ALCOVE FRAMING

2.1 There are two basic types of alcove bathing fixture installation and flush to wall (*Figure 2*) and semi-sunken (*Figure 3*). Choose the one that best meets your needs.

2.2 For rough-in dimensions, you may measure your bathing fixture on the jobsite or log on to our website at www.AquaGlass.com to obtain a specification sheet for your alcove bathing fixture. Make sure frame is level and square. (*Figure 4*)

NOTE: Dimensions on specification sheets are provided for basic rough-in construction. Alcove installation is not recommended for these models; therefore, alcove rough-in dimensions for these bathing fixtures are not shown. To obtain a model-specific template, visit our website at www.aquaglass.com; Click on Products/Technical Downloads then your specific model number.

2.3 For bathing fixtures with integral mounting flanges, drill holes approximately 8" apart and secure to framing with 6D galvanized nails or screws.

2.4 Be sure to provide a 6" x 6" square opening in the floor for all bathing fixtures to permit clearance for the 2" pipe supply and drain. (*Figure 4*)

2.5 Follow necessary electrical requirements to conform to all local, state and national electrical codes and requirements.

2.6 Deck mount materials such as tile, marble, etc., should be placed on the frame for verification of the bathing fixture opening. Ensure deck mount materials are level and square. Secure decking to the frame.

2.7 Place bathing fixture in alcove. Make sure the bathing fixture is resting squarely on support boards. **IMPORTANT: If necessary, use shims under base runners to insure the weight of the bathing fixture is on the floor and not on the support boards.**

2.8 Use a 36" carpenter's level to level the bathing fixture for proper drainage. Use shims to insure bathing fixture is level and resting securely on the floor. Frame should be structurally sound enough to support the weight of the bathing fixture filled with water and a bather. The flanges or lip of the bathing fixture is not designed to support the weight of the bathing fixture.

2.9 Attach the water supply and drain lines. Caulk the water connections as required.

2.10 Connect bathing fixture by referencing the electrical drawings shown in (*Figures 6 thru 11A.*)

2.11 For bathing fixtures with integral mounting flanges, drill holes in the mounting flange and secure to studs with 6D galvanized nails or screws approximately 8" apart. For Acrylic bathing fixtures, use optional tiling flange strips available from Aqua Glass. Attach tiling flange strips to studs with 6D galvanized nails or screws.

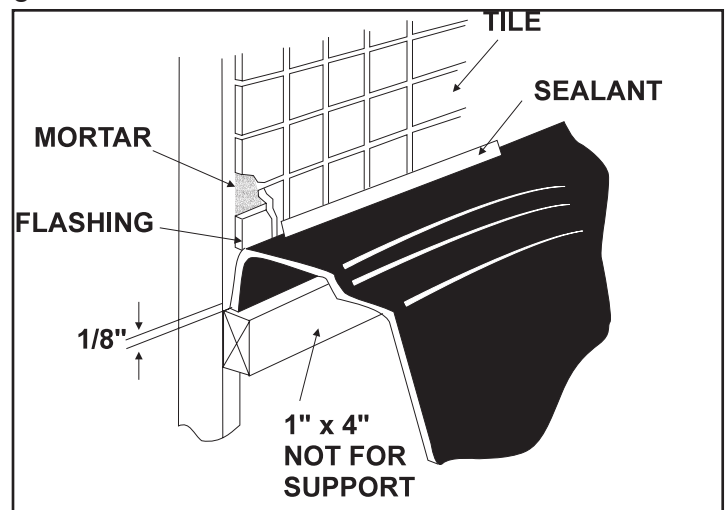


FIGURE 2

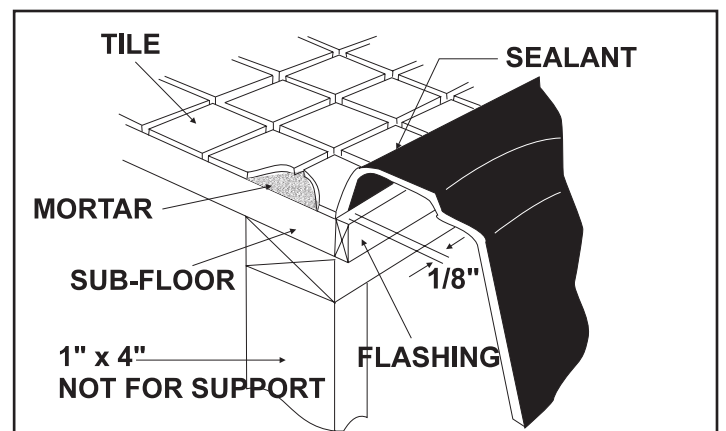


FIGURE 3

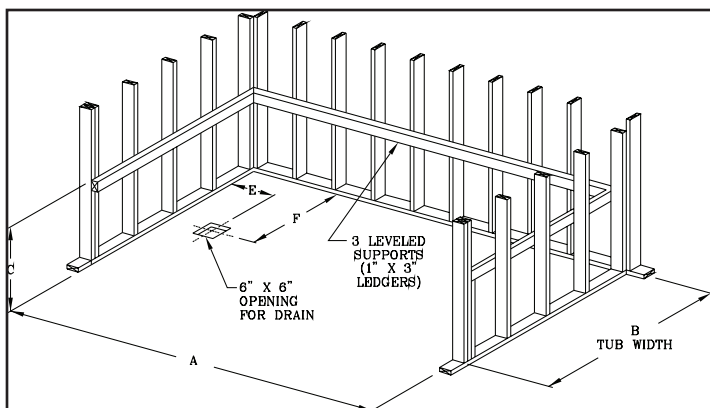


FIGURE 4

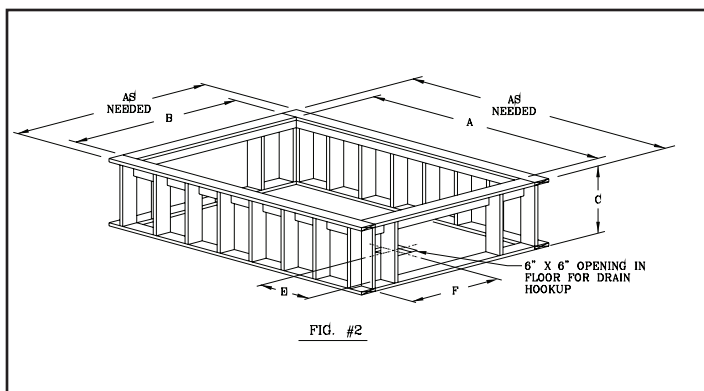


FIGURE 5

2.12 If your bathing fixture is a whirlpool, take care to ensure that all pump unions are tightened before the water testing process to alleviate a possible leak.

2.13 Check all connections for leaks.

2.14 Install drywall and leave plumbing access as shown in (*Figure 1.*)

PROCEED TO 6.0.

3.0 DROP IN OR DECKMOUNT FRAMING

3.1 For rough in dimensions, you may measure your bathing fixture on the jobsite or log on to AquaGlass.com to obtain a specification sheet for your deck mount bathing fixture. Make sure frame is level and square (*See Figure 5*).

NOTE: Dimensions on specification sheets are provided for basic rough-in construction. Some Aqua Glass bathing fixtures have special radius requirements. To obtain a model-specific template, logon to our website at www.aquaglass.com;

Click on Products/Technical Downloads then your specific model number.

3.2 Be sure to provide a 6" x 6" square opening in the floor for all bathing fixtures to permit clearance for the 2" pipe supply and drain. (*See Figure 4*)

3.3 Follow necessary electrical requirements to conform to all local, state and national electrical codes and requirements.

3.4 Use bathing fixture measurements to cut opening in deck-mount materials. Be sure to check your measurements twice before cutting the opening.

3.5 If using deck-mount materials such as tile, marble, etc., they should be placed on the frame for verification of the bathing fixture opening. Take care to ensure deck-mount materials are level and square. Secure decking to the frame.

3.6 Place the bathing fixture into the opening in the decking material. Again, take care to make sure opening accommodates the bathing fixture. Use a 36" carpenter's level to level the bathing fixture for proper drainage. Use shims to insure bathing fixture is level and resting securely on the floor. Frame should be structurally sound enough to support the weight of the bathing fixture filled with water and a bather. The flanges or lip of the bathing fixture is not designed to support the weight of the bathing fixture.

3.7 Attach the water supply and drain lines. Caulk the water connections as required.

3.8 If your bathing fixture is a whirlpool, take care to ensure that all pump unions are tightened before the water testing process to alleviate a possible leak.

3.9 Check all connections for leaks.

3.10 Connect bathing fixture by referencing the electrical drawings shown in (*Figures 6-11A.*)

3.11 Install drywall and leave plumbing access as shown in (*Figure 1*).

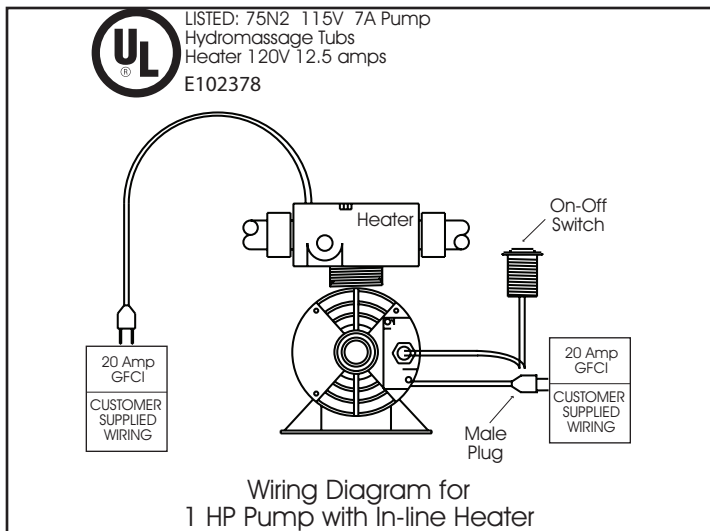


FIGURE 6

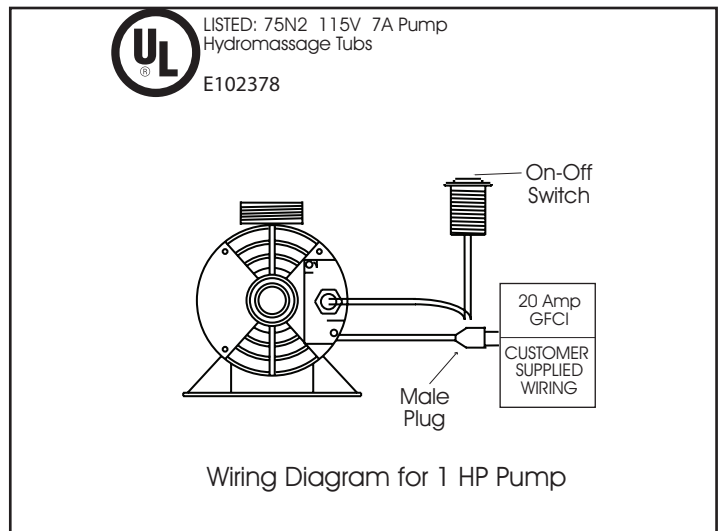


FIGURE 7

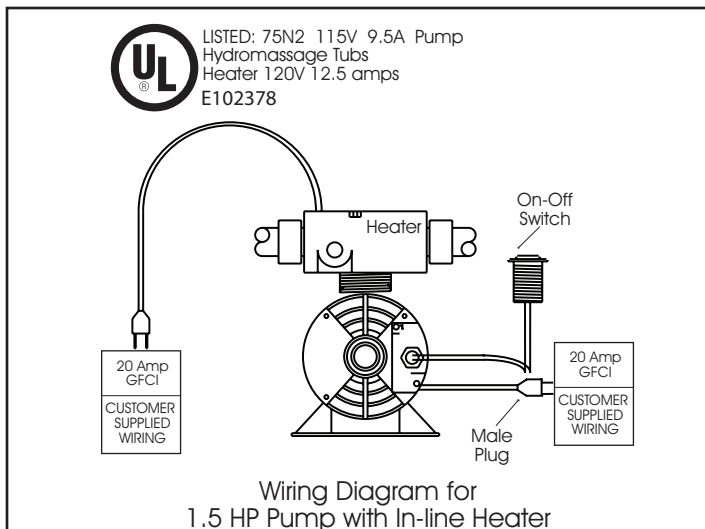


FIGURE 8

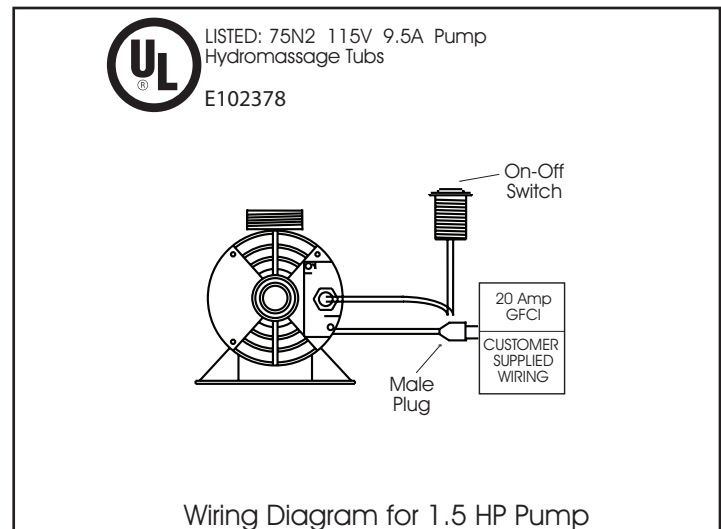


FIGURE 9

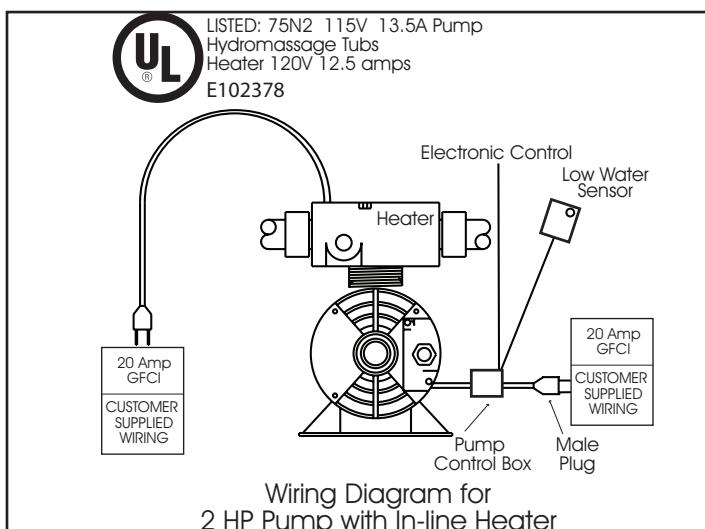


FIGURE 10

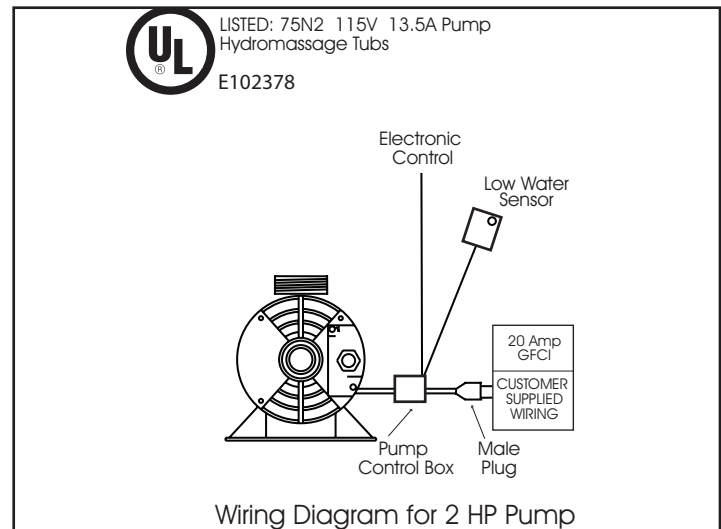
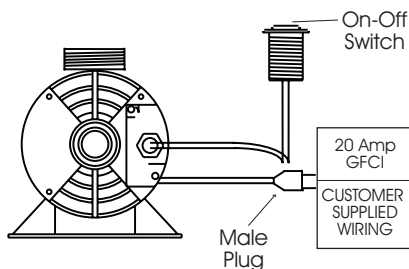


FIGURE 11



LISTED: 75N2 115V 5.5A Pump
Hydromassage Tubs

E102378



Wiring Diagram for Pump

FIGURE 11A

Proceed to 6.0.

4.0 BASIC SKIRT INSTALLATION

Important Note: To ensure a proper fit of skirt, it is sometimes necessary to trim or shim the leveling boards on the bathing fixture.

4.1 Before installation of skirt, be sure the hardwood blocks underneath the bathing fixture are properly attached. *(See Figure 12)*

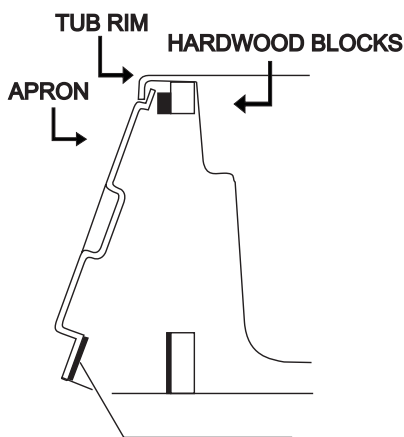


FIGURE 12

4.2 Check and see that there are no obstructions between the hardwood blocks and the lip or rim of the bathing fixture. *(See Figure 12)*

4.3 It may be necessary to use a utility knife to clear out any excess fiberglass that might prevent the

skirt from fitting properly underneath the rim of the bathing fixture. Take care not to cut yourself or knock the hardwood blocks from underneath the bathing fixture rim. *(See Figure 12)*

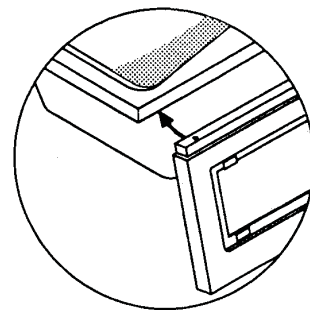


FIGURE 13

4.4 Kneeling in front of the bathing fixture, position the skirt just underneath the rim or lip of the bathing fixture in front of the hardwood blocks. *(See Figure 12)* Note: The top of the skirt has recessed corners.

4.5 Use the 36" level to ensure the frame is vertical. Then, using the 6D galvanized nails or screws through the pre-drilled holes, fasten the frame to the floor.

4.6 Position the removable access panel and attach the panel to the skirt frame by the metal straps or screws on the panel. *(See Figure 14)*

Proceed to 6.0.

5.0 CORNER SKIRT INSTALLATION

Important Note: To ensure a proper fit of skirt, it is sometimes necessary to trim or shim the leveling boards on the bathing fixture.

5.1 For corner skirt installation, begin by positioning the front of skirt under tub rim or lip. Take care to level and make sure it fits properly. Secure the skirt to the floor with 6D galvanized screws or nails.

5.2 The side skirt frames may be installed once the front portion of the skirt has been securely installed.

5.3 The side skirt frames will fit slightly behind the front skirt. Place the edge of the side skirts behind the front skirt.

5.4 Position the removable access panel and attach the panel to the skirt frame by the metal straps or screws on the panel. *(See Figure 14)*

5.5 Once the side skirts are in place use the 36"

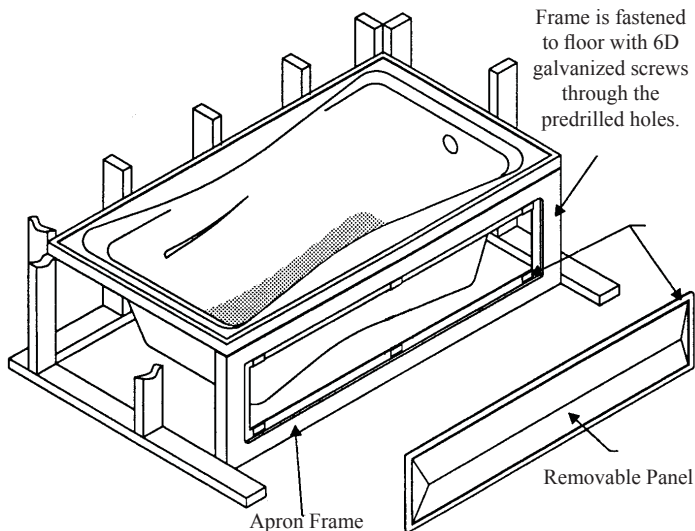


FIGURE 14

level to ensure the frame is vertical and make sure they fit properly. Secure the skirt to the floor with 6D galvanized screws or nails.

5.6 Once all three pieces are installed and secured to the floor, the removable access panels for the two sides of the skirt may be attached with the metal straps or screws provided.

6.0 CLEAN UP AFTER INSTALLATION

Important Note: Please do not use abrasive cleaners or bleach on your new bathing fixture because it may scratch and dull the surface finish.

6.1 To clean the surface of the bathing fixture, use a non-abrasive cleaner. For further cleaning inquiries, contact the Aqua Glass Technical Service Department at 800-435-7875.

6.2 To clean trim, which may include jets, controls, drain and overflow; we suggest the use of a cloth and warm, soapy water. After cleaning, polish with dry cloth.

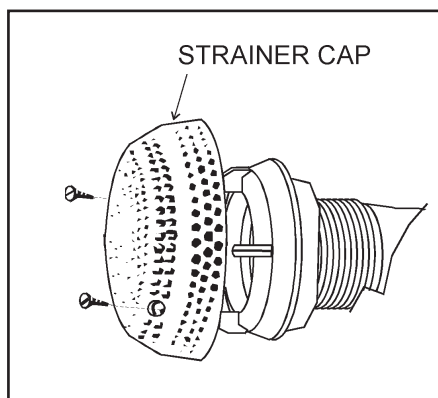


FIGURE 15

6.3 Individual trim pieces may be removed and cleaned more thoroughly as follows and should be cleaned on an annual basis.

a. The Return Strainer Cover may be removed by using a Phillips screwdriver. Be sure the cover is in place at all times during operation of the bathing fixture to prevent the possibility of hair or other body part entrapment.

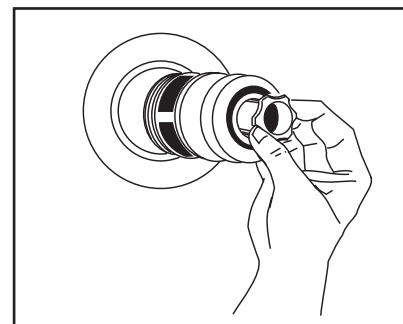


FIGURE 16

Ensure the return strainer is never blocked while the whirlpool is in operation. (See Figure 15)

b. The Jet Escutcheon may be removed by grasping it and pulling it toward you. (See Figure 16)

c. The Jets may be removed by grasping the jet body and turning counter-clockwise to remove. (See Figure 16)

To clean them thoroughly, you may place them in your dishwasher for one cleaning cycle.

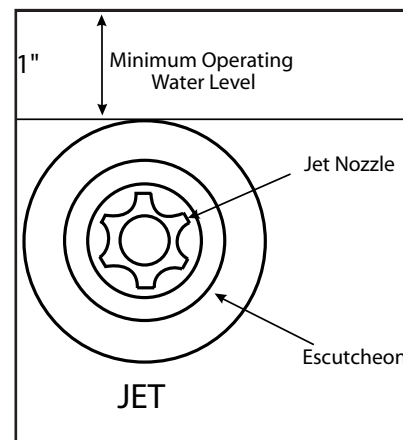


FIGURE 17

6.4 In the event of infrequent use, the internal piping system of your bathing fixture should be purged with water at least once per week. To prevent residue build up within the piping, the internal piping system requires a more thorough cleansing at least once per month by doing the following:

a. Fill bathing fixture to one inch (1") above highest jet escutcheon (See Figure 17) with hot

water only (not to exceed 140° Fahrenheit).

b. Add two to three tablespoons of a low foaming dishwashing detergent or baking soda to the hot water.

c. Run the whirlpool for 10 minutes nonstop.

d. Drain completely.

e. Refill bathing fixture to one inch (1") above highest jet escutcheon (*See Figure 17*) with cold water and run the whirlpool for 10 minutes to rinse piping.

6.6 The use of a rubber bath mat, especially one with suction cups, is not recommended. If you elect to use one, be sure to remove the mat after each bath or shower then allow both the mat and the surface of the bathing fixture to completely dry before re-use. A mat of this type may also promote mold and mildew growth underneath it, causing surface blisters in the finish of your bathing fixture.

THE USE OF A RUBBER MAT WILL VOID THE WARRANTY.

7.0 IMPORTANT SAFETY INSTRUCTIONS BEFORE OPERATION PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS

7.1 Because your safety is important to us, please READ AND FOLLOW ALL INSTRUCTIONS.

7.2 Use of this bathing fixture for its intended use as described in this manual. Do not use attachments not recommended by the manufacturer.

7.3 Never drop or insert any object into any opening.

7.4 Do not operate this bathing fixture without the guard over the suction fitting.

7.5. When installing or using any electrical equipment, take care to use basic safety precautions.

7.6 Do not permit any appliance such as a light, telephone, blow dryer or television within five (5) feet of your Aqua Glass bathing fixture due to risk of electric shock, fire and/or possible electrocution.

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

7.8 Have a licensed electrician make all electrical installation to ensure that all requirements of the local electrical safety codes are met.

7.9 GROUNDING IS REQUIRED. The bathing

fixture should be installed and grounded by a qualified service representative. If copper plumbing is provided with the bathing fixture, the copper plumbing must also be grounded through the house service panel. Failure to properly ground copper piping could result in personal injury. For built-in or customer units, install to permit access for servicing.

7.10 Install this bathing fixture in accordance with State, Local and National Electrical Codes (NEC).

7.11 DANGER: RISK OF ELECTRIC SHOCK: GFCI (Ground Fault Circuit Interrupter)—The bathing fixture must be connected only to a supply circuit that is protected by a GFCI 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 flowing, indicating the possibility of an electric shock, do not use this bathing fixture. Disconnect the bathing fixture and have the problem corrected by a qualified service representative before using.

7.12 Whirlpool bathing fixtures are plugged into a 120 VAC 60 Hz supply circuit that is protected by a 20 Amp Class A Ground-Fault Circuit Interrupter (GFCI).

7.13 Air/Whirlpool Combination bathing fixtures require a separate 20A, 120V Class A GFCI protected circuit for the air blower and the whirlpool pump. (*See Figures 6-11A*)

7.14 If the Whirlpool bathing fixture has been purchased with optional "In-Line Heater" the heater must be plugged into a separate 20 AMP 120 Volt GFCI protected circuit. (*See Figures 6-11A*)

7.15 Connect the electrical service to the tub in accordance with the proper wiring diagrams provided. (*See Figures 6-11A*)

7.16 All building materials and wiring should be routed away from the pump body or other heat producing components of the whirlpool.

7.17 Do not allow the water level to fall below the jets or operate the whirlpool pump without water or pump otherwise damage may occur.

7.18 Use of bubble bath or oils in your new whirlpool bathing fixtures is not recommended because deposits may occur within the plumbing pipes. In the event this happens, please reference

the cleaning portion of this publication.

7.19 Pump relocation—Relocation of the pump from the existing Aqua Glass factory placement will void the warranty on your new Aqua Glass bathing fixture. This Aqua Glass factory placement ensures proper priming, drainage, and performance of the air or whirlpool/air system.

7.20 Provide adequate ventilation for the motor to prevent nuisance trips of the thermal overload protection.

7.21 Be sure to retain these instructions and all safety precautions for future reference.

PERSONAL SAFETY CAUTIONS

1. **HYPERTHERMIA**—prolonged immersion in hot water may induce hyperthermia which is a condition when the internal body temperature reaches a level several degrees above the normal body temperature of 98.6 °F. The symptoms of hyperthermia include an increase in the internal temperature of the body, dizziness, lethargy, drowsiness, and fainting. Effects of hyperthermia include failure to perceive heat, inability to recognize the need to exit the bathing fixture, unawareness of impending hazard, fetal damage in pregnant women, physical inability to exit the bathing fixture and unconsciousness resulting in the danger of drowning.

WARNING: THE USE OF ALCOHOL, DRUGS, OR MEDICATION CAN GREATLY INCREASE THE RISK OF FATAL HYPERTHERMIA.

2. To avoid injury, exercise care when entering or exiting your new Aqua Glass bathing fixture.

3. Children should be closely supervised while using your new Aqua Glass bathing fixture.

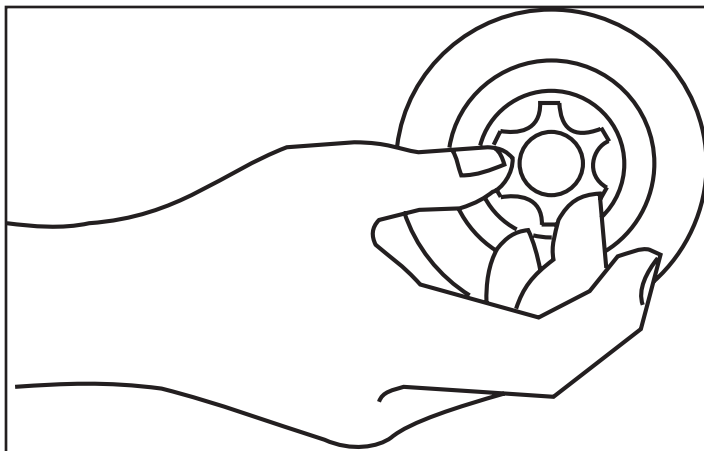


FIGURE 18

4. Be sure to retain these instructions for future reference.

8.0 WHIRLPOOL OPERATION

8.1 Congratulations! You're ready to begin operating your new whirlpool.

8.2 Take care to remove any debris from bathing fixture.

8.3 Please test the ground fault circuit interrupter (GFCI) by pushing it to make sure it interrupts electrical power to the bathing fixture. Push the reset button to make sure electrical power is restored to the bathing fixture. Important Note: In the event the GFCI fails to operate properly, ground current could be flowing thus creating a risk of electric shock. **DO NOT USE THE BATHING FIXTURE.** Unplug the bathing fixture and contact the Aqua Glass Technical Service Department at 800-435-7875.

8.4 Once the GFCI is operational, fill the bathing fixture to at least one inch (1") above the highest jet escutcheon (*See Figure 17*). Take care not to allow the water level to drop below the jet nozzle or splashing may occur. Use your hand to manually swivel the jet nozzles so they are angled down. (*See Figure 18*) Using the electric control, turn on the whirlpool pump and allow it to run for 10 minutes; check piping for leaks. Every Aqua Glass bathing fixture is factory tested for leaks, but in the event a leak is found during this testing, it must be corrected immediately by a qualified technical repairman. Aqua Glass is not responsible for any defect that could have been discovered, repaired, or avoided by following this inspection and testing procedure.

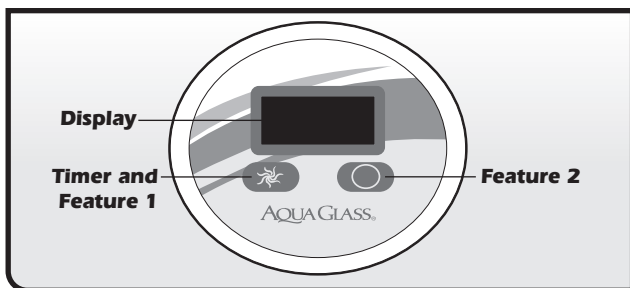
8.5 Before draining your bathing fixture, be sure to turn off the pump.

WHIRLPOOL FEATURES (STANDARD AND OPTIONAL)

CONTROLS

ELECTRONIC ON/OFF CONTROL standard

1. Turn on the system by pressing the ON button.



TO READ DISPLAY:

Blank when control is not in use.

90° Temperature when water operating level is reached.

no h2o Buttons were pressed prior to reaching water operating level.

too hot Water temperature exceeds 104°F. System will **NOT** operate.

TO OPERATE:

- Fill tub to water operating level (all jet orifices must be submerged) at desired temperature.

Note: If water temperature is higher than 104°F (40°C) all functions (except light) will be prohibited.

- TIMER** – Press and continue to hold to begin operation. Initial time setting is (10 minutes). Continue holding to increase time by 5 minute increments up to 30 minutes. Release when desired time is reached. Press again to start. Press again to stop.

- WHIRLPOOL/FEATURE 1** – Press to turn on or off.

- FEATURE 2** – This button operates one of the following features selected by the consumer, depending on which model they have.

BLOWER – Press then press to turn on or off. Initial speed is (Speed 6). Press and hold to reduce speed from 6 to 1. Release at desired setting.

PUL PULSE MODE – Press and continue to hold until is displayed.

WA WAVE MODE – Press and continue to hold until is displayed.

Note: For tubs equipped with air options, a dry cycle is required. 15 minutes after tub is emptied, blower will automatically run for 2 minutes to purge water from air lines. Display will show .

SHIATSU BACK JETS – With whirlpool running, press to engage the back jets. Press and release to cycle through 4 modes.

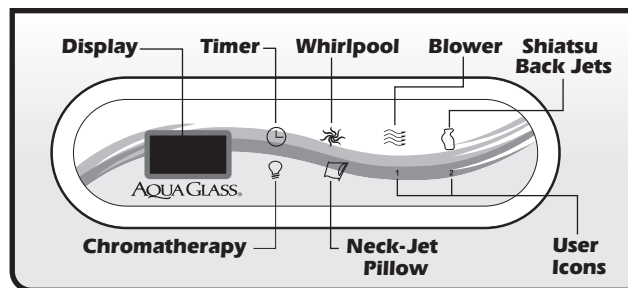
CHROMATHERAPY – Press to engage the light timer for 30 minutes. The light device operates independent of the digital timer. If the light timer expires during run time, the light will remain on until operation is complete. Press repeatedly to scroll through various lighting modes. Press again to turn off. Lighting mode last used will display the next time the unit is switched on.

Note: Features shown may not be on all models.

FIGURE 19

2 BUTTON ELECTRONIC CONTROL standard

- Standard on bathing fixtures with two options.
- Follow instructions in *Figure 19*.



TO READ DISPLAY:

Blank when control is not in use.

90° Temperature when water operating level is reached.

no h2o Buttons were pressed prior to reaching water operating level.

too hot Water temperature exceeds 104°F. System will **NOT** operate.

1 2 Indicators are illuminated when user settings are stored.

TO OPERATE:

- Fill tub to water operating level (all jet orifices must be submerged) at desired temperature.

Note: If water temperature is higher than 104°F (40°C) all functions (except light) will be prohibited.

- TIMER** – Indicator illuminates when water operating level is reached. Initial time setting is (10 minutes). Press and hold to increase time by 5 minute increments up to 30 minutes. 1 2 will illuminate. Press to turn off before chosen time expires.

- CHROMATHERAPY** – Press once to turn on. Press repeatedly to scroll through various lighting modes. The light operates independent of the digital timer. If the timer expires during light run time, light will remain on until operation is complete. Light settings cannot be saved to user settings. Lighting mode last used will display the next time the unit is switched on.

- BLOWER** – Press to turn on or off. Initial speed is (Speed 6). Press and hold to reduce speed from 6 to 1. Release at desired setting.

PUL PULSE MODE – Press and continue to hold until is displayed.

WA WAVE MODE – Press and continue to hold until is displayed.

Note: For tubs equipped with air options, a dry cycle is required. 15 minutes after tub is emptied, blower will automatically run for 2 minutes to purge water from air lines. Display will show .

- WHIRLPOOL** – Press to turn on or off.

Note: Whirlpool pump must be engaged to use the following features:

NECK-JET PILLOW – Press to engage massage pillow. Press and hold to reduce speed and change combination. Press again to turn off.

SHIATSU BACK JETS – Press to engage the back jets. Press and release to cycle through 4 modes.

- USER ICONS 1 2** – If desired, store current settings for future use by pressing 1 or 2. To activate, use these buttons to recall stored settings.

Note: The tub will temporarily stop and restart with those settings.

Note: Features shown may not be on all models.

FIGURE 20

8 BUTTON ELECTRONIC CONTROL standard

- Standard on bathing fixtures with three or more options.
- Follow instructions in *Figure 20*.

2. The pump will run until the OFF button is pressed.

NOTE: In the event there is a malfunction in your whirlpool, contact the wholesale distributor that your plumber purchased the bathing fixture from. Supply them with your complete name, address, telephone number, model number, serial number, and color of the bathing fixture with the date of purchase and the nature of the defect.

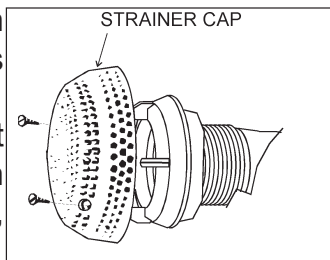


FIGURE 21

RETURN STRAINER standard

The tub is equipped with one return strainer. Water leaves the tub through the return and is re-circulated by the pump through the piping system and jets. Over the front of the return strainer there is a guard/cover, which prevents hair and other foreign material from entering the pump or piping. (See Figure 21) Do not block the suction while the whirlpool is operating.

OMNI-FLO™ standard

Omni-Flo® jets can be adjusted to create a desired therapeutic action. The jets are fully adjustable with both bubbling action and direction..

JETS

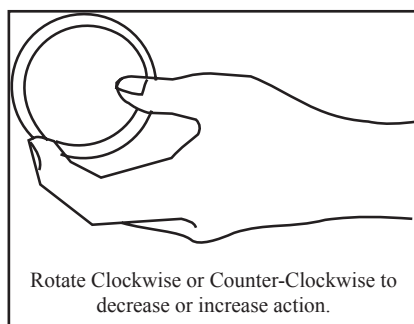


FIGURE 22

1. Push the jet orifice up/down or side-to-side to direct the water to the desired location. (See Figure 18)
2. Slowly twist clockwise or counter clockwise the jet orifice to increase or decrease the jet water flow to your desired setting.
3. For jet replacement, the jet cylinder can be removed by unscrewing the jet cylinder counter clockwise.

NOTE: The jet water flow cannot be completely turned OFF.

AIR CONTROL standard

An air control is located on the deck or inside wall of the bath. The air control draws air into the system and mixes it with water traveling to the jet nozzles. The air-water mixture (bubbling action) can be adjusted to create the desired therapeutic effect. The air control may be rotated from a fully-closed to a fully-open position.

1. To increase the amount of air (bubbling action), rotate the silent air control counter-clockwise. (See Figure 22)
2. To decrease the amount of bubbling action, rotate the air volume control clockwise. (See Figure 22)

IN-LINE HEATER optional

The in-line water heater is designed to maintain the water temperature when the pump is operating. The in-line heater does not heat the water.

NOTE: The heater will turn OFF if:

1. The pump is turned off.
2. Water falls below the sensor level.

AIR SYSTEM ADVANCED FUNCTION DRYING CYCLE standard

1. With water level detector: A 30 sec. drying cycle will automatically start 20 minutes after the control has detected there is no more water remaining in the tub.
2. Without water level detector: A 30 sec. drying cycle will automatically start 20 minutes after the complete stop of the blower.

DRAINAGE standard

Each Aqua Glass whirlpool or air pool is equipped with DrainDown® Plumbing which uses the force of gravity to deplete the piping of excess water.

1. Drain the tub only when the pump has stopped. Be sure that the water has had time to drain completely out of the bath, jets and return before filling the bath again.

EFFERVESCENCE AIR

(standard on Air tub, optional on Whirlpool)

Effervescence Air is located along the bottom circumference of your new bathing fixture. The touch-pad control on combination models is connected to the blower at the Aqua Glass factory. Ensure the connector is firmly attached

to the touch-pad underneath the deck.

NOTE: There is a heating element within the air system that heats the air blown into the bathtub, to prevent the water from cooling too fast. It will not,



FIGURE 23

under any circumstances, reheat or maintain the temperature of the bath water. All controls have an automatic timer that shuts the blower off after 20 minutes.

CHROMATHERAPY LIGHTING

(optional on soaking tubs, whirlpools and air tubs)
Chromatherapy lighting is an underwater light made up of a 9-point LED lighting system that changes the bath water color from one color to a sequenced multitude of changing colors by simply repeatedly touching the light control.
(See *Figure 23*)

AROMATHERAPY (optional on whirlpools)

Aromatherapy is a fragrant bathing experience that is experienced by placing aroma wicks (provided) or another form of fragrance into a canister located on the deck of a whirlpool or air tub. The movement of the water through the whirlpool or the air through the air tub allows for the circulation of the fragrance into the room during the bath. Aromas usually last up to one week before freshening is needed.

9.0 TROUBLESHOOTING/MAINTENANCE

9.1 PUMP-Motor Will Not Start

- Check wiring diagram for electrical connections.
- Check for loose electrical connections, open

switches or relays, or thrown circuit breaker.

- Check to see if control is in the "ON" position.
- If whirlpool is equipped with pneumatic switch, check to see if air line from cylinder to switch is restricted in any way.

9.2 PUMP-Motor Stops

- Check for loose wiring or connections.
- Check for low voltage at motor.
- Check to see if circuit breaker is thrown.

9.3 PUMP-Will Not Prime

- Check electrical hookup.
- Make sure all return, discharge lines and ports are open and free of obstruction.
- Check to see if water level is in proper position 1" above the highest jets.
- Check for blocked high jet.
- Check for air leak in pump return line or for loose pump connection.
- Make sure pump has not been detached from pump base of bathing fixture.
- Check the pump connections and piping for leaks. Tighten, if necessary. Before replacing access panel or skirt, be sure pump mounting screws are securely tightened.

9.4 PUMP-Noisy

- Check for air leak in pump return line which may cause rumbling sound in pump.
- Check for restricted discharge line.
- Check for vibrating pump which may cause pump mount to become loose.
- Make sure the return is not blocked. Remove the guard by unscrewing the two containment screws and clean out holes in guard and passages using a toothpick and brush; never use metal tools. If noise still persists or you suspect a malfunction, contact the Aqua Glass Technical Service Department at 800-435-7875.

9.5 AIR BLOWER- Fails To Operate

- Verify that electronic touch control is connected properly.
- Check electric power supply. Reset circuit breaker or replace fuse if necessary.
- Check Ground Fault Circuit Interrupter. Reset if tripped.

d. If the system has been functioning for some time, it is possible that the thermal protection has shut off the motor. Switch off the system and wait for at least 30 minutes before using it again.

9.6 AIR BLOWER- Runs, But No Air Passing Through

- Verify that the main air hose from manifold to blower is properly connected. If necessary, reconnect and tighten clamps.
- Air outlets of jet heads are obstructed: If the air outlets of a jet head are obstructed by soap or other residues, fill tub with warm water, brush the jets gently with an old toothbrush and switch system ON and OFF several times. The air outlets should be cleared.

9.7 JETS-Low Jet Flow

Begin by turning the nozzle on the jet clockwise and counter clockwise. If still no change, examine the internal passages of the jet for blockage. Remove any debris using a toothbrush or toothpick. Flush the jet by running the pump for 20 seconds. Never use metal tools as they can damage the jet and trim.

Also, be sure return strainer is not blocked within the bathing well of the tub. (See FIGURE 15)

- Check for pump return line obstructions.
- Check for proper voltage at motor. Proper voltage should be around 110VAC.
- Check for blockage at discharge line.
- Check to see if jet body has debris blocking water flow or airflow
- Flush out the jet by running the pump for 20 seconds. Reassemble parts.

Adjusting jet flow—each jet is controlled individually by simply rotating the jet nozzle to the desired therapeutic setting for the water pressure. Moving the jet from side-to-side will direct water movement to the desired setting.

9.8 JETS- No Aeration or Intermittent Aeration

- Make sure that the air control is open.
- If aeration in the jet is not as much as in the other jets, the jet may be blocked.
- Unscrew the orifice inside the jet by rotating counterclockwise and remove. Examine the jet orifice and nozzle for blockage. Remove any debris using a toothbrush or toothpick; never use metal tools as they can damage the fitting.
- Reinstall the parts taking care not to damage them.

9.9 JETS-Weak or No Jet Flow

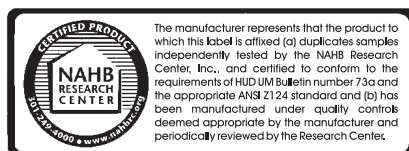
- Begin by turning the nozzle on the jet. If there is no change, examine the internal passages of the jet for blockage. Remove any debris using a toothbrush or toothpick. Flush the jet by running the pump for 20 seconds. Never use metal tools as they can damage the jet and trim.

9.10 LEAKS-Between Housing and Cover

- Check for tightness of housing screws.
- Check for loose union connections between pump housing and hoses.

9.11 JETS-Leaks at Jet

- Check for loose jet body retainer nut.
 - Be sure jet body has proper amount of caulking to make watertight seal.
- Important Note: Do not attempt to service your bathing fixture in any manner other than listed in this publication. If additional service is required, retain your warranty by contacting the Aqua Glass Technical Service Department at 800-435-7875. Be prepared to supply them with your complete name, address, telephone number, model number, serial number, and color of the bathing fixture with the date of purchase and the nature of the defect.



Aqua Glass Limited Warranty

What Does This Warranty Cover?

Aqua Glass warrants to the original consumer purchaser that this shower, soaking tub, tub shower, shower base, whirlpool or steam bathing fixture will be free from defects in materials and workmanship for the time period listed below.

What is the Period of Coverage?

Five (5) years from the date of purchase except as described below:

- Contractor and Builder gelcoat lines (model numbers beginning with a 3, 9 or 84) - 3 years
- Aqua Glass products (except for the shower bases described below) in a non-residential or commercial application - 3 years
- Shower bases with model numbers beginning with a 65 - 2 years

What Does This Warranty Not Cover?

This warranty does not cover damage or defects relating to misuse, abuse, negligence, normal wear and tear, accidents, acts of God, repairs or alterations not authorized in writing by Aqua Glass, or improper installation, storage or handling.

How Do You Get Service?

To make a warranty claim, you must contact either Aqua Glass or an authorized Aqua Glass Sales Representative by email, fax or telephone within 30 days of discovering an issue.

Aqua Glass Corporation

Warranty Claims

320 Industrial Park Road, Adamsville, Tennessee 38310

Email: csadamsville@aquaglass.com

Fax: 1-731-632-4232 Phone: 1-731-632-2501

Contact Hours are: Monday thru Friday, 8:30 a.m. - 6:00 p.m. EST

The following information is required to file a warranty claim: 1) your name, address and telephone number, 2) model number and color of product, 3) brief description of problem, 4) serial number from the product found in one of the following locations: on the product identifier tag on the rough unfinished side of the fixture, on the horizontal surface above the walls, under the Aqua Glass logo sticker on the lower right front of the fixture, or on the whirlpool motor (if applicable), and 5) proof of purchase (Required at later point of the warranty process.)

What Will We Do to Correct Problems?

To process your claim, you must allow Aqua Glass or its authorized representative to inspect the product. Aqua Glass, at its option, may elect to repair or replace the product. The replacement of a product is limited to supplying a replacement product or part (same as existing or if not available, comparable product) and does not include the cost of removal or installation where permitted by law.

How Does State Law Relate to This Warranty?

IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY DOES NOT COVER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES (SUCH AS LABOR EXPENSES) WHETHER ARISING OUT OF BREACH OF WARRANTY, BREACH OF CONTRACT, TORT, OR OTHERWISE. Some states do not allow the exclusion or limitation of incidental or consequen-

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tial damages, so the above limitation of exclusion may not apply to you. This warranty gives you specific legal rights, and you also may have other rights which vary from state to state. This warranty is not transferable.

Do I need to inspect the unit when it is shipped to me from Aqua Glass?

Yes. Unless shipped via Aqua Glass trucks, all goods are shipped f.o.b. Aqua Glass' factory at buyer's risk. It is your responsibility to inspect the product upon delivery and pursue claims against the carrier for concealed damage or shipping damage on all deliveries you accept.

RETURNED GOODS POLICY

1. No product can be returned for credit without prior written approval by Aqua Glass via a Returned Goods Authorization (RGA). Contact your Aqua Glass Customer Service Representative for all Returned Goods Authorizations and please allow 24 hours for approval.
2. Product returns must include protective packaging, original ClearviewÆ, original box or customer supplied flange/apron protection.
3. All returns of product shipped according to customers' specifications are subject to a 50% restocking charge unless defective. Non-defective whirlpools and drop-ins (only) may be returned for full credit if returned in the original box with customer paying freight.
4. Unless picked up by Aqua Glass, shipment of product authorized for return for credit is made at the expense of the buyer unless the return resulted from an Aqua Glass error. Aqua Glass drivers are NOT authorized to return defective units (off loads) unless accompanied by a pre-approved RGA that authorizes return on that specific truck.
5. Models with special features (special orders), models in Aqua Glass Designer colors, special order doors and product that has been at customer locations for longer than 6 months cannot be authorized for return.
6. Aqua Glass reserves the right to accept or deny credit for returned product dependent upon the product's physical condition upon arrival at the Aqua Glass facility.
7. While Aqua Glass will make every effort to pick up returns promptly, please allow three (3) weeks for pick up.

MISCELLANEOUS

- A. Aqua Glass reserves the right to amend or revise the provisions set forth in this Customer Information Sheet in its discretion. Any amendment or revisions shall be effective upon notice to you.
- B. All sales of Aqua Glass products to you shall be subject to Aqua Glass' standard terms and conditions in effect from time to time, which are available at <http://www.aquaglass.com> or by requesting a copy from Aqua Glass at 1-731-632-2501.