INSTALLER - Please pass these IMPORTANT instruction along to the homeowner!

H|S

HYDRO SYSTEMS

family owned and operated since 1978

DESIGNER COLLECTION

IMPORTANT SAFETYINSTRUCTIONS
GENERAL INSTRUCTIONS

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

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Please refer to www.hydrosystem.com for videos on how to install your bathtub and get specific dimensions on your model bathtub

WARNING: When using your Hydro Systems whirlpool tub, basic precautions should be followed.

READ AND FOLLOW ALL INSTRUCTIONS.

1. DANGER: To reduce the risk of injury, do not permit children to use this unit unless they are closely supervised at all times.
2. Use this unit only for its intended use as described in this manual. Do not use attachments not recommended by the manufacturer.
3. Never drop or insert any object into any opening.
4. Do not operate this unit without suction cover installed.
5. The unit must be connected only to a dedicated electrical supply circuit that is protected by a Ground Fault Circuit Interrupter (GFCI). The GFCI must be provided by the installer and should be tested on a routine basis by the homeowner. 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 there is a ground current fault, indicating the possibility of an electric shock. Do not use the tub. Disconnect the power and have the problem corrected by a qualified service representative. Re-test the GFCI and only when it is operating properly may the whirlpool tu be used.
6. A terminal is provided on the exterior of most equipment. To reduce the risk of electric shock, connect this terminal to the grounding terminal of your electric service or supply panel with a conductor equivalent in size to the circuit conductors supplying this equipment.

⚠ **WARNING:** This product can expose you to chemicals including styrene, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

Save These Instructions

INSTALLATION INSTRUCTIONS

1. **DANGER: RISK OF ELECTRICAL SHOCK.** Connect only to a circuit protected by a ground fault circuit interrupter.
2. This unit should be installed by a qualified service representative. All electrical connections should be made by a licensed electrician. Grounding is required.
3. The installation of Hydro Systems bathtubs must meet all applicable codes and regulations.

4. **READ ALL THE INSTRUCTIONS** before you begin the installation.
5. **INSPECT THE TUB** before you begin the installation. Inspect the following:

- Is it the correct model? The corect size? The correct color?
- If options or upgrades were ordered, are they complete and correct?
- If the tub was ordered with components in non-standard locations, check to make sure they all are in their correct locations.
- Check all components to make sure no damage occurred during shipping.
- For Tubs with Tile Flange inspect for positive draft to bathing well

DO NOT INSTALL THE TUB if any of the above is not correct.

Contact the dealer where the bathtub was purchased or call Hydro Systems directly at **661-775-0686**.

You will need to know the bathtub serial number attached to your warranty card and also located on the back side of the bathtub when contacting Hydro Systems.

Please refer to www.hydrosystem.com for videos on how to install your bathtub and get specific dimensions on your model bathtub

GENERAL REQUIREMENTS FOR INSTALLATION

MECHANICAL REQUIREMENTS:

1. **WEIGHT:** Tubs must be installed in a location that will support the combined weight of the tub plus the water plus the bather. As a rule of thumb, this will be a maximum of 1000 lbs. for a 60" tub, 1200 lbs. for a 66" tub, and 1400 lbs. for a 72" tub.
2. **TILE FLANGES:** Tubs can be installed as a drop-in unit or they can be installed against one, two or three walls. Tubs installed against walls should be ordered with a tile flange on each side that will be against a wall t provide a leak free water barrier.
3. **FRAMING:** When framing it is best to measure the actual tub to be installed to determine faming dimensions. In the abscence of the actual tub, refer to the Hydro Systems catalog drawings or website at www.hydrosystem.com.

   The two most common types of installations are DROP-IN and THREE WALL installations. **DROP-IN (Figure 1)** For drop-in, or deck-mounted tubs, the finished height of the deck **(X)** where the tub will sit must equal the dimension from the trimmed edge of the tub to the floor at the drain end of the tub (A) plus 1”. The 1” is for the mortar bed.

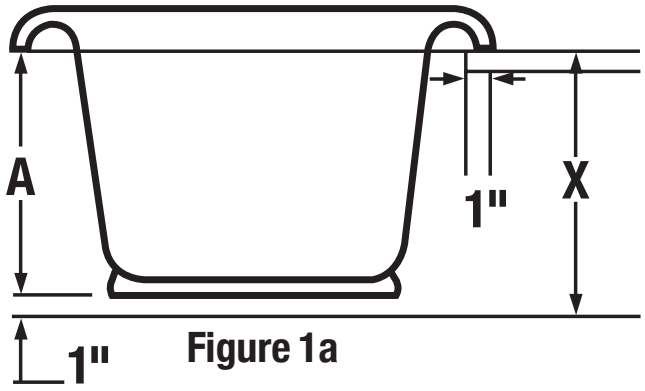


Figure 1a

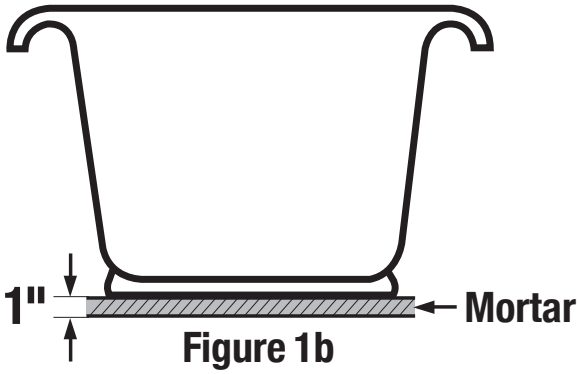


Figure 1b

NOTE: Tub lip resting on ledge, stringer or frame is non-weight bearing.

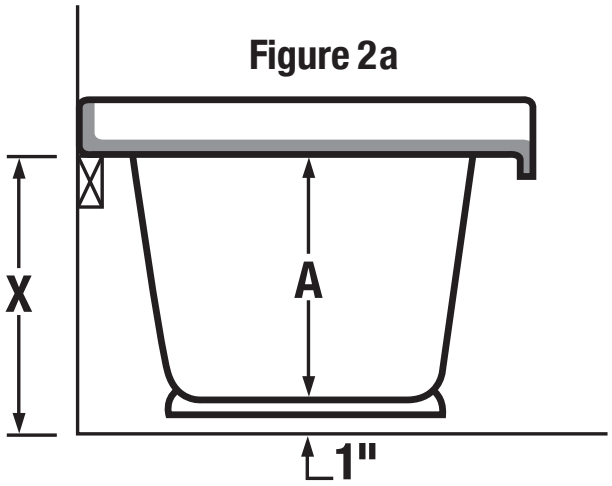
Tub MUST be supported by mortor only.

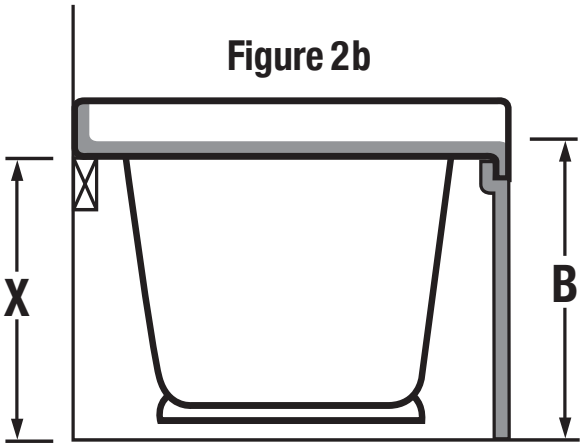
IMPORTANT - the deck must be level both front to back and side to side. If it is not level, the tub will not be level and it will not drain properly. The opening into which the tub will be dropped should be cut 1" smaller than the tub all around. For example, for a 60" x 42" rectangular tub, an opening 58" x 40" will extend 1" under the lip of the tub all the way around and will provide clearance for the whirlpool system. In the case of oval and round tubs, Hydro Systems ships a full size paper template with the tub.

THREE WALL: For tubs installed in a three wall enclosure, the tub will need a rough opening the same size as its overall dimensions. For example, a 60" x 42" tub will need a space 60" x 42" for installation. Do not include finish wall coverings (wall board, tile, etc) in your rough framing calculations. Studs and walls should be straight and plumb, and corners must be square. Stringers must be provided to support the deck where it meets the wall.

IMPORTANT - The stringers must be level both front to back and side to side. If they are not level, the tub will not be level and it will not drain properly.

On tubs with integral tile flanges, **(Figure 2a)** measure the distance from the underside of the tub deck to the bottom of the tub base at the drain end of the tub **(A)** plus 1" for the mortar bed. On tubs with integral tile flanges and a s irt panel, **(Figure 2b)** measure the distance from the top of the stringer to the floor (X) must equal the distance from the bottom of the skirt to the top of the deck (B), minus 1/4" (the thickness of the tub deck).





For installations that are any combination of decks, walls, and pony walls, use the same methods to determine critical heights. Remember that all supports must be at the same height and must establish a plane that is level front to back and side to side.

4. **HOT WATER HEATER:** As a rule of thumb, the capacity of the hot water heater needs to be at least 75% of the capacity of the whirlpool tub. *Formula = capacity x (2/3)*

Hydro Systems bathtubs and whirlpool bathtubs are designed and engineered for easy installation and years of trouble-free enjoyment. Installation is easy if you follow the step-by-step instructions. Please read all instructions before you begin the installation.

WARNING: - When using electrical products, basic precautions, should always be followed.

INSTALLING THE TUB

The installation of the tub/whirlpool tub must meet all applicable regulations and codes. Access must be provided for future service or removal of the pump, control boxes and wiring, without removing the tub or damaging the building structure or finish. An access panel at least 14" high by 16" wide must be located directly in front of the pump, control boxes or wiring. The optional Hydro Systems skirt with removable panel will satisfy this requirement. Minimum clearance in front of any panel should be 30"

IMPORTANT - Never move or lift the tub by the pipes or other plumbing system components.
Move or lift the tub by the deck or from under the bottom only.

ELECTRICAL REQUIREMENTS:

A dedicated 20AMP GFCI Protected outlet(s) for pump, 15 amp blower, 15 amp heater.

WARNING: When using electrical products, basic precautions should always be followed.

DANGER: RISK OF ELECTRICAL SHOCK. Connect only to a circuit protected by a ground fault circuit interrupter. Grounding is required. All electrical connections should be made by a licensed electrician. Installation of Hydro Systems bathtubs must meet all a[applicable codes and regulations.

Note: Access panel must be provided for servicing.

TEST THE ENTIRE SYSTEM INCLUDING INTEGRAL OR LINEAR OVERFLOWS BEFORE YOU INSTALL THE TUB

All Hydro Systems whirlpool tubs are fully tested at the factory before shipping. However, it is the responsibility of the installer to check the system before installing the tub; if the tub is to be set in “rough framing” and can be accessed from all sides after setting, skip to paragraph 4 below. If the tub will be set in “finished framing” and can’t be accessed fro all sides, we recommend testing the tub outdoors before setting it. Here’s how:

- Put the tub on a flat surface such as a driveway or lawn
- Tape over the drain.
- Fill the tub with a garden hose. Fill it to at least 1” above the highest jet.
- Plug the control box into a 110v GFCI protected outlet.
- Activate all systems/options for a minimum of 15min
- Check the jets and check the entire system for leaks. Some components will be inaccessible after the tub is installed, so check each component and each connection all around the tub.
- If the tub has optional equipment now is the time to check those components. If the tub has an in-line heater, plug it into a separate 110v GFCI protected source while the pump is running. (The heater will operate only when the pump is running). The heater’s indicator light will be on when the heater is operating.

DO NOT INSTALL THE TUB if the system is leaking. Contact your dealer or call Hydro Systems at 661-775-0686.
If the whirlpool system is performing properly and there are no leaks in the system, you are now ready to set the tub.

NOTE: Bathtub serial number will be needed.

SETTING THE TUB

- Install the waste & overflow on the tub
- If your tub has the standard single speed pump or varible speed or blower, remove the hold-down bolts securing the components to the platform.
- The tub must be supported evenly around the perimeter of the deck and also under the entire bottom.
- To set the tub, mix a stiff batch of slow-setting mortar (without gravel) and pile more than enough on the floo . It may be necessary to construct a dam to contain the mortar. Do not use drywall compound or plaster of Paris.
- Lower the tub into position. Slip the drain into the waste line as it goes down. Allow the tub to settle into the wet mortar, squishing the excess out at the sides and ends of the tub.
- When the deck hits the supports all around, the tub is level and at the correct height.
- If the mortar is very deep, the tub may try to “Float” in the mortar bed. Put four to six inches of water in the tub to hold it down. Allow the mortar to cure overnight before draining the tub.
- Fasten the tile flanges to the wall studs with galvanized nails or screws - pre-drill the holes for them first. Note – t tile flanges are not structural and must not bear any weight. The tub must be supported under the deck.
- If the tub was ordered with the pump in a remote location, the pump was shipped in a box strapped inside the tub crate. All PVC pipe and fittings required to connect the pump to the whirlpool system are strapped to the tub. Remove the now. Construct a support stand for the pump so that the pump intake is higher than the suction fitting, and lower tha all jets on the tub. The slope of the pipe from the suction fitting up to the pump should be a minimum of 1/8” per foot The discharge line from the top of the pump to the tub must slope evenly up to the systm. It must not go below the pump intake or above the jet closest to the pump. The pump must not hang on the pipes. It must sit on the sound dampening pad, and it must not be bolted down (unless it is a variable speed pump). Connect both pipes to the whirlpool system and thread the unions onto the pump. Be sure the “O” rings are in the unions. Hand tighten only, and do not use any type of joint sealant. The use of any sealant voids the warranty.

ELECTRICAL CONNECTION:
If the pump and/or is in the standard location, it is plugged into the control box. So are all accessories. Check all connections. Make sure the bolts have been removed that hold the pump to the pump platform and plug the control box pigtail into the home's dedicated GFCI.

If the tub was ordered with the pump in a remote location, plug the pump into the control box. Plug all accessories into the control box. Check all connections and plug the control box into the home's dedicated GFCI.

FINAL CLEANUP

DO NOT USE ABRASIVE CLEANERS TO CLEAN THE BATHTUB. They may scratch or mar the surface. Liquid soap or a cleaner intended for fiberglass bathtubs should be used. Please refer to the USER CARE AND MAINTENANCE section. Do not use wire brushes or metal tools or scrappers to remove paints drips, plaster, tar, etc. If a scraping device is required, a wood edge may be used carefully. Use lighter fluid to remove any adhesive left from stickers and labels

OPERATING INSTRUCTIONS

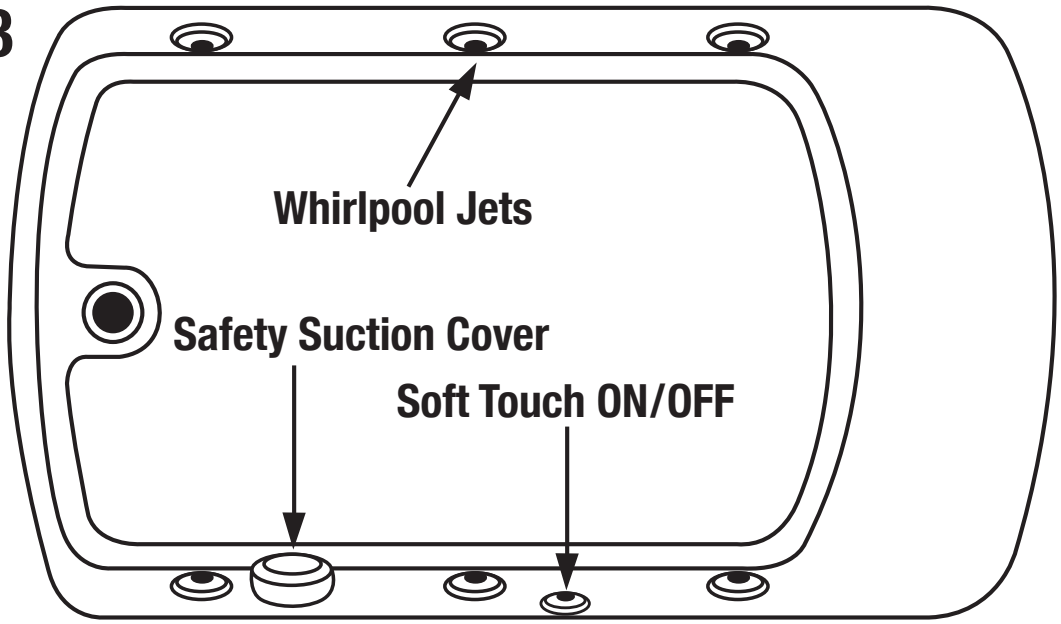
WARNING: To reduce the risk of injury, do not permit children to use this unit unless they are closely supervised at all times.

- Use this bathtub only for its intended use as described in this manual. Do not use attachments not recommended by Hydro Systems.
- Never insert or drop any object into any opening.
- Do not operate this unit without the cover over the suction fitting
- Hydro Systems tubs are designed for "fill-and-drain" use. Fill the tub to use it and drain it when you are finishe

Note: The pump motor is equipped with a thermal overload protector which senses current and temperature. The motor will shut down automatically in the event of an unsafe condition. If this happens, turn the whirlpool system off. When the unsafe condition has been corrected the motor is automatically ready to restart.

TO OPERATE:
Fill the tub with water at the desired temperature. When you're sitting in the tub the water level should be at least 1" above all jets but lower than the overflo . Each Hydro Systems Designer series whirlpool bathtub is equipped with these standard features **(Figure 3)**.

Figure 3



ELECTRONIC SOFT TOUCH CONTROL - This is the on/off control switch for the whirlpool system. It bears the Hydro Systems logo. Press the logo once to turn the whirlpool system on. Press it again to turn the whirlpool system off. The whirlpool system is configured to run for thirty minutes and shut down automatically. If a longer bathing period is desired, press the logo to start it again. The whirlpool system will not turn on until the jets are covered with water, if you have optional water level protection.

WHIRLPOOL JETS - These are fully adjustable and directional. To adjust the flow of water coming from the jets, rotate the escutcheon. Clockwise will reduce flow, counter clockwise will increase flow. To adjust the direction of the jets, point the eyeball in the desired direction.

ANTI-VORTEX SAFETY SUCTION - This is the intake where water is drawn in for the pump. Do not operate the whirlpool system without the suction cover in place.

USER CARE AND MAINTENANCE

WARNING: Any service or maintenance other then described below should be performed by a qualified service representative. Call your Hydro Systems dealer for the name of a qualified service representative near you.

To maintain the “like new” look of your Hydro Systems acrylic or gelcoat bathtub, we recommend the following easy care procedures.

- Never use abrasive cleaners
- Use common household, non-abrasive cleaners for most cleaning jobs such as Lysol Basin, Tub & Tile Cleaner®, Glass Plus®, Simple Green®, Mr. Clean, and Top Job, or a mild dishwashing detergent such as Ivory® Liquid. Follow the manufacturers’ directions and precausions. Rinse well and dry with a clean cloth.
- Do not use products such as acetone (nail polish remover), dry cleaning solution, lacquer thinners, gasoline, pine oil, wintergreen, etc.
- Use Isopropyl rubbing alcohol to clean grease oil, paint or ink. Dry with a clean soft cloth.
- Avoid using razor blades, putty knives, or other metal instruments that might scratch the surface. Small scratches can be removed by applying a thin coat of automotive paste wax and buffing lightly with a clean cloth. For deeper scratches sand the surface lightly with 600 grit “wet or dry” sand paper, rub out with fine buffing compound, and apply a coat of wa

WARNING: Flush the whirlpool system periodically (at least every 90 days) as follows: Fill the bathtub with water, add 1/2 cup of household bleach, run the whirlpool system for 10 minutes, drain completely. Rinse the bathtub and refill with water, run the whirlpool system for 5 minutes, drain completely. Wipe dry with a soft cloth.

DESIGNER COLLECTION 99/9 LIMITED WARRANTY

To prove our commitment and ensure your continued satisfaction with your bathtub, we back our product with the best warranty in the business - our 99/9 warranty. Hydro Systems, Inc. warrants to the original purchaser of the Combination, Whirlpool or Thermal Air, that the shell will maintain its structural integrity and configuration and will be free of water loss due to a defect in the tub shell for a period of 99 years from the purchase date. The warranty covers the tub shell against defects in materials and workmanship. The warranty does not apply to any other component or plumbing component, as they are covered under separate warranties.

Hydro Systems, Inc. warrants to the original purchaser of the Thermal Air or LED Lighting Tub that all support equipment, controls and plumbing components (excluding plumbing fittings and piping) for a period of 9 years from the purchase date. Limited labor is covered for the first 3 years of ownership, starting from the date of purchase and not the date of installation.

Hydro Systems, Inc. warrants to the original purchaser of the Combination, Whirlpool, Thermal Air or Soaking Tub that the plumbing fittings and equipment will not leak water due to defects in materials or workmanship for a period of 3 years from the purchase date. Limited labor for any repair is covered for a period of 3 years for the labor aspect of the warranty only.

This limited warranty does not include any other items not manufactured by HYDRO SYSTEMS, INC. HYDRO SYSTEMS, INC. does not assume liability for the finish or the wearing quality of any plated product. No dealer or other person has any authority to make any warranties or representations concerning HYDRO SYSTEMS, INC. or its products. Accordingly, HYDRO SYSTEMS, INC. is not responsible for any such warranties or representations. THERE ARE NO WARRANTIES BEYOND THE DESCRIPTION ON THE FACE HEREOF. NO WARRANTY OF MECHANABILITY, FITNESS, NOR OTH-ER WARRANTY (WHETHER EXPRESS, IMPLIED OR STATUTORY) IS MADE BY HYDRO SYSTEMS, INC., EXCEPT THAT IT WARRANTS THE GOODS TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP IN NORMAL USE AND SERVICE AS DESCRIBED ON THE FACE HEREOF.

Hydro Systems, Inc., at its option and sole discretion, will repair or replace any defective or malfunctioning part of its system or bathtub. This limited warranty does not include and Hydro Systems, Inc. does not assume any liability for the finish or the wearing quality of any working surface or plated part. Although it is never anticipated or desired, in the event that an exact replacement part is no longer available, an equivalent part or system will be provided. Any consequential installation requirements are not the responsibility of Hydro Systems, Inc.

All parts, labor and material necessary to repair the system or bathtub are covered except parts and aspects excluded above. If repairs cannot be made on the premises, the cost of removal or installation of a replacement system or bathtub and the cost of transportation to and from Hydro Systems, Inc. are not covered. This includes, but is not limited to, situations were adequate clearance and access to equipment and such systems has not been provided. Costs associated with and related to obtaining access for repair are not covered.

Upon discovery of a defect or malfunction, notify supplier or installer within ten (10) days and include a description of the malfunction or defect, the date the system was purchased and installed, the name and address of the seller, and the name, address and residence and business telephone numbers of the person sending the notice together with information as to when the system can be inspected. To obtain performance of guaranty obligations, contact Hydro Systems, Inc., 29132 Avenue Paine, Valencia, California 91355, phone (661) 775-0686.

Hydro Systems, Inc. assumes no liability for damage caused by improper installation, abuse, misuse, alteration, accident or acts of God, moving or attempting to move the system or bathtub from original installation, intentional recklessness or negligent acts of any person, or repairs or attempt thereof by any firm or person other than Hydro Systems, Inc. or its representative, loss of use, incidental or consequential damages, or any cost or expense incurred. Damages or defects that should be detected or discovered by performing tests prior to installation are not covered.

No dealer or any other person has any authority to make any warranties or representations concerning Hydro Systems, Inc. or its products. Accordingly, Hydro Systems, Inc. is not responsible for any such warranties or representations.

For Acts Invalidating the warranty, and Governing Laws and Venues details, please visit:
https://hydrosystem.com/technical-information/warranty-information/

U.L. LISTED – Pumps

U.L. LISTED – Hydromassage Bathtubs

IAPMO LISTED –
Uniform Swimming Pool, Spa & Hot Tub Code

IAPMO LISTED –
Uniform Plumbing Code

H|S HYDRO SYSTEMS
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