



INSTALLATION INSTRUCTIONS FOR FREESTANDING MODELS

TABLE OF CONTENTS

Safety instructions and important installation instructions	page 2
Bathtub installation	page 3
Supplemental installation information for freestanding tubs	page 5
Installation instructions for tubs without a pedestal	page 6
User maintenance and cleaning instructions	page 7
Limited warranty	page 8

INSTALLER: Please pass these important instructions along to the homeowner!

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

IMPORTANT SAFETY INSTRUCTIONS

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

WARNING: WHEN USING YOUR HYDRO SYSTEMS TUB, BASIC PRECAUTIONS SHOULD BE FOLLOWED, SEE BELOW



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.

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 tub 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.

IMPORTANT INSTALLATION INSTRUCTIONS

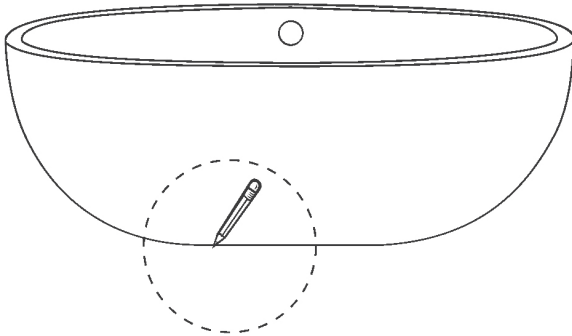
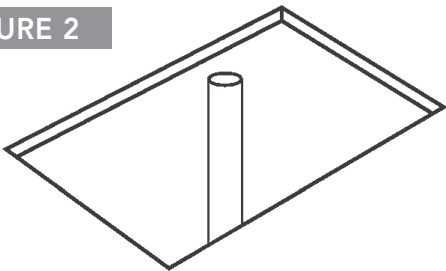
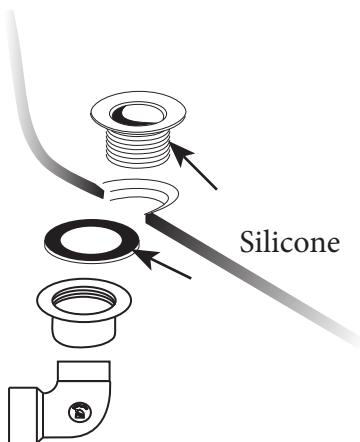
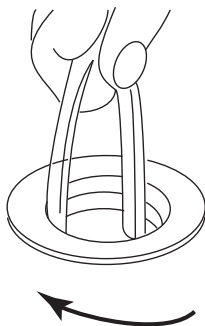
1. **DANGER: RISK OF ELECTRICAL SHOCK.** Connect only to a circuit protected by a ground fault circuit interrupter.
2. This unit should be installed by a qualified service representative. All electrical connections should be made by a licensed electrician. Grounding is required.
3. The installation of 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 correct 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.

BATHTUB INSTALLATION

FIGURE 1**FIGURE 2****FIGURE 3****FIGURE 4**

PREPARATION

- 1 Clean, level, and prepare the floor for installation.
- 2 Place the unit in the exact installed position on the floor and trace the outline of the bath with a pencil or any erasable marking (Figure 1). Templates for Freestanding bathtubs come with the tub.
- 3 Determine the location of the drain pipe on the floor by taking measurements of the drain location underneath the unit (Figure 2).

Note: Drain, waste locations, and trim options vary by model.

- 4 Using a blanket, cardboard, or other clean protective surface, turn the unit on its side so that the unit is properly supported during drain installation.
- 5 Clean the drain hole area in preparation of setting the drain. The area should be dry and free of any debris.

INSTALL DRAIN HARDWARE

- 6 Measure and dry fit all connections. Cut tubes as necessary.
- 7 Primer then glue drain elbow and female adapter. Primer and glue elbow to tee and adapter (Figure 3).
- 8 Apply a thin ring of silicone around the underside of the strainer. Position gasket between the drain ell and the bottom of the bath. Begin threading the strainer into the drain ell (Figure 3).
- 9 Insert the handle of a pliers into the drain and secure strainer to ell. Remove excess sealant (Figure 4).

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

FIGURE 5A

(provided by installer)

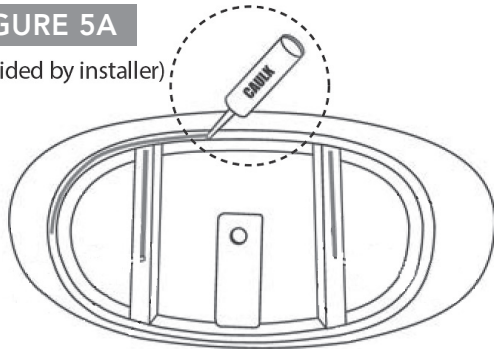


FIGURE 5B

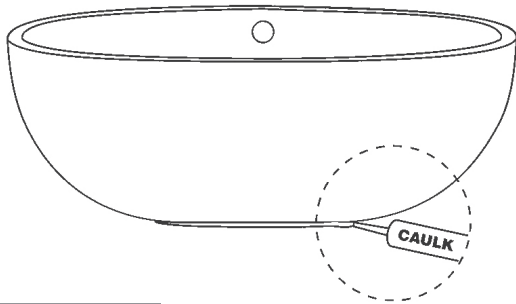


FIGURE 6

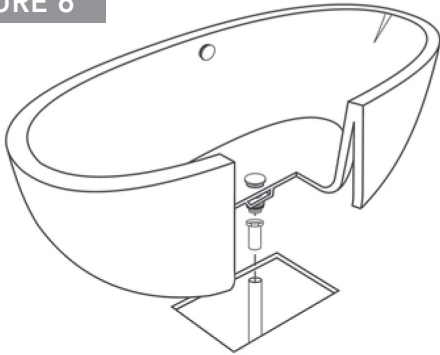
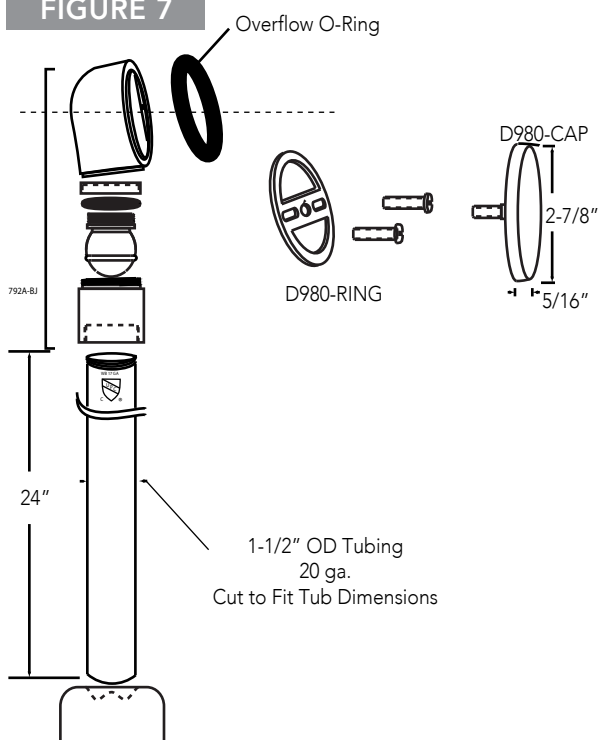


FIGURE 7



INSTALL BATHTUB

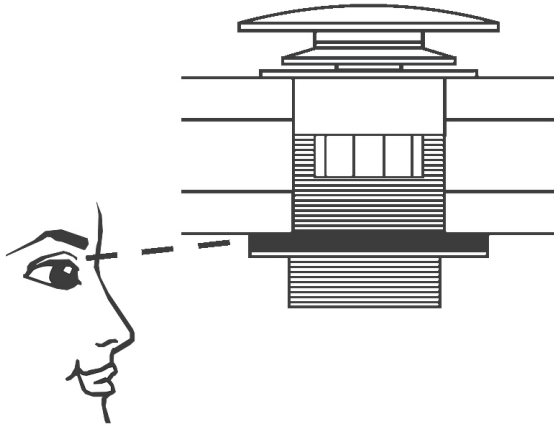
- 10 Apply generous bead of adhesive or silicone to the bottom of the tub supports (Figure 5A).
- 11 Then apply a bead of tub and tile caulk or silicone around the edge of the base (Figure 5B).

- 12 Carefully set tub into position (Figure 6) and connect the drain hardware (previously installed).

OVERFLOW INSTALL

- 13 Apply a thin bead of silicone around face of the overflow O-ring. Mount the D980-RING using the provided screws (Figure 7). Adjust the ball-joint to the contours of the tub and tighten the ring.
- 14 Slide the escutcheon onto the tube and extend it through the floor and into the P-Trap

FIGURE 8



COMPLETE BATHTUB INSTALLATION

- 15 Fill tub with water to the overflow and then drain the tub while inspecting the waste connections below the floor for leaks. Access from below will be necessary for this step (Figure 8).

SUPPLEMENTAL INSTALLATION INFORMATION FOR FREESTANDING TUBS

GENERAL INFORMATION

- Rough In Dimensions – For critical dimensions, we suggest taking the measurements of the actual tub on site. All printed specifications are +/- 1/2 inch and subject to change without notice.
- The tub must be level.

BASIC INSTALLATION PROCEDURE

- Determine final location of the tub. Tub will sit on top of finished flooring.
- Ensure location is structurally sound, flat and level.
- Align the tub in a manner that the drain lines up with the P-trap in the floor. DO NOT LET THE TUB REST ON THE DRAIN PLUMBING.
- Check the tub for level. It must be level end to end and side to side.
- Caulk the gap between the skirt and the floor.

THERMAL AIR

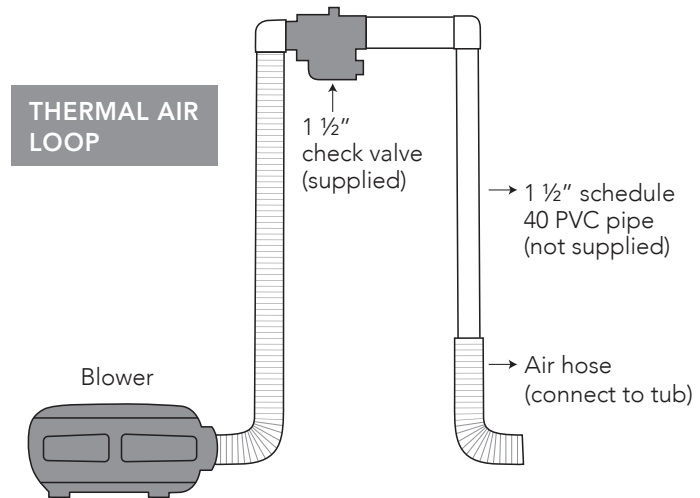
ELECTRICAL REQUIREMENTS

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

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 applicable codes and regulations.

– 1 HP Blower - A dedicated 120v 20 amp GFCI protected electrical circuit is required for tubs with the standard 1 HP 120v Blower.

- Please refer to www.hydrosystem.com for videos on proper thermal air installation.
- **Remote Mounting Blower:** Due to the limited space between the inner and outer shell on all of the Metro Collection freestanding tubs, the blower must be remote mounted. In addition to the air pipe there is one electrical connection between the tub and the blower. The electrical connection and the air pipe exit through the bottom end of the bath. It is always desirable to remote mount the air blower as close to the tub as possible to minimize loss of heat. Pipe insulation may be used on the air line to minimize heat loss.
- It is recommended the blower is kept within 8' of the tub to reduce the risk of temperature loss.
- A dedicated 115-volt 15-amp circuit GFCI protected must be installed within 3' of blower location.
- **Thermal Air Loop:** A loop made of 1 ½" schedule 40 PVC must be installed at the outlet of the blower (PVC pipe and 90-degree fittings not supplied) and must be at least 2" above rim of tub with 1 ½" check valve (supplied) installed in horizontal position at the top of the loop. If loop cannot be installed at blower location it can be installed at an alternate location in line prior to tub. If blower is installed at least 2" above rim of tub, attic or closet loop is not required. Please see illustration to the right.



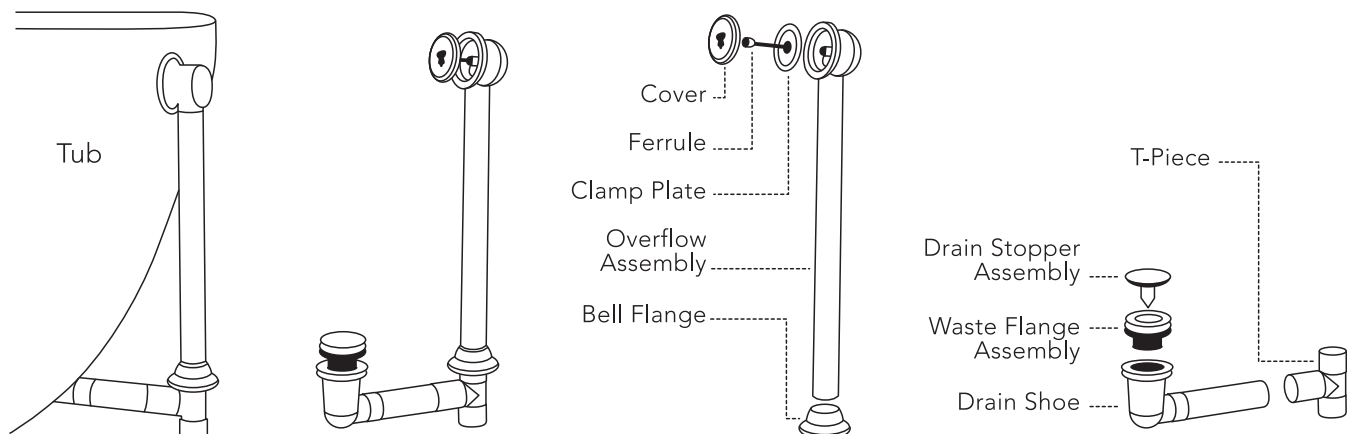
FIXTURES

- No fixtures can be mounted on the tub deck. Floor and wall-mounted fixtures are required.
- **Wall-Mounted:** The position of the tub and the reach of the spout are critical. Pay special attention to the spout reach when choosing your fixtures. Be careful to ensure the spout will extend out far enough to clear the tub deck and the falling water will not hit too high up the side wall of the tub and splash.
- **Floor-Mounted:** Some freestanding fixtures must be anchored to the tub drain for stabilization.

INSTALLATION INSTRUCTIONS FOR SOAKING WITHOUT PEDESTAL

Note: This is a sub floor drain. Access from below tub is recommended for installation. If there is no access from below, the installation is more difficult. Clearance for the drain will be required and the floor near the overflow will need to be completed after the drain is installed. Please see picture below.

Hydro Systems recommends using clear 100% silicone sealant. DO NOT use plumber's putty.



- 1) Place the tub in the exact position of final installation. The bathtub cannot be repositioned once it is plumbed and installed. The tub is designed to sit on top of the finished floor. However, you may need to leave an area by the drain open until installation of the drain is complete.
- 2) Ensure location is structurally sound, flat and level.
- 3) Elevate the tub to allow access to the bottom of the tub from the drain to the overflow area. The tub is very heavy; use appropriate supports.
- 4) Temporarily "dry fit" the drain kit and trim the pipes to proper length. Note the distance from the edge of the tub to the center of the overflow pipe. This measurement will be used to verify the location of the hole in the floor for the overflow pipe. Also see rough-in dimensions on previous page.
- 5) Remove the drain kit from the tub.
- 6) Use emery cloth, grinder or wire brush to remove the plated finish from the pipe where it will be soldered to the 'tee'.
- 7) Provide opening in floor below drain of approximately 6" x 6". This will be completely covered by the tub.
- 8) Install tub in precise location desired. Use only 100% clear silicone to adhere tub to floor.
- 9) Using the distance noted in step #4, drill hole in floor for overflow pipe.
- 10) Re-assemble drain kit on tub using clear silicone under drain strainer. Remove excess silicone immediately. Tighten waste flange assembly and ferrule until seated plus 1/4 turn. Remember to install bell flange on overflow pipe. Slide the bell flange high up on the overflow pipe to avoid heat damage during the next step.
- 11) Carefully solder connections at brass 'tee'. Wrap a wet rag around overflow pipe to prevent the heat from damaging the plating. Always use proper heat shielding to protect the surrounding materials.
- 12) Connect the 'P-trap' to the drain kit.
- 13) Use clear silicone to seal the gap between the overflow pipe and the floor. Lower bell flange to the floor. Attach overflow cover and thread stopper assembly into waste flange. Fill tub to overflow and allow water to stand for 30 minutes. Check carefully for any leaks. NOTE: The overflow is a plumbing device designed to prevent water from reaching a certain level in your tub. DO NOT, under any circumstances, tape off or block the overflow in any way.

USER MAINTENANCE INSTRUCTIONS

To assure a long lasting "like new" look on your Metro Collection bathtub we recommend the following procedures:

- 1) For normal maintenance, especially after use, clean with a soft cloth or sponge and a mild soap or liquid detergent.
- 2) DO NOT USE abrasives such as scouring compounds, scouring pads, steel wool or harsh chemicals on your Hydro Systems bathtub. For deeper stains, hard scale deposits or any other cleaning or maintenance problem, contact your Hydro Systems dealer.

CLEANING INSTRUCTIONS

The Metro Collection tubs are manufactured from high quality Hydroluxe SS, a blend of both organic minerals and the best in engineered composites. To keep this high quality look on your STON tub, please follow these instructions:

MATTE FINISH

- Remove dust with a soft damp cloth; for example, microfiber or calico cloths.
- Clean surface with water and any mild detergent or dish soap.
- For a more difficult stain such as oil, paint, ink, or grease, clean with rubbing alcohol and dry with a soft cloth.
- Please do not use any sharp objects because that might result in scratching the surface of the tub.
- Use 180 grit wet/dry sandpaper and clean it with a soft scrub.

GLOSS FINISH

- Clean with mild dish soap and water; any non abrasive product to clean high-gloss counter surfaces will work.
- Remove dust with a soft damp cloth; for example, microfiber or calico cloths.
- Clean oil, paint, ink, or grease with rubbing alcohol and dry with a soft cloth.
- Avoid using abrasive cleaners, it is not safe to use these on your glossed product.
- Please do not use any sharp objects because that might result in scratching the surface of the tub.

Please do not use anything else other than what was instructed. Improper use can result in damage to the tub or its finish and may void the warranty. Keep in mind, if you do end up damaging the tub, scratches can usually be removed, buffed or polished out by an Authorized Hydro Systems Service Agent.

LIMITED WARRANTY 10/5/2

This limited warranty is extended to the first user or the original retail purchaser for a period of ten (10) years on the bathtub, 5 years on electronics and 2 years on the air channel, plumbing, and labor to replace electronics or any other repair that is covered from date of purchase, and is not enforceable by any other party. HYDRO SYSTEMS, INC. warrants that the system and/or bathtub is free from defects in the workmanship and/or materials.

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 MERCHANTABILITY, FITNESS, NOR OTHER 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.

WARRANTY OBLIGATIONS OF HYDRO SYSTEMS, INC.:

Should a defect in workmanship and/or material in any item covered by this warranty become evident during the term of the warranty, then upon the consumer following the procedures set forth below, HYDRO SYSTEMS, INC. at its opinion, will repair or replace such item at its own cost and expense. HYDRO SYSTEMS, INC. is not, however, responsible under this warranty for any cost of shipping or transportation or the equipment or parts thereof to or from the Service Department. Also, HYDRO SYSTEMS, INC. is not liable for any loss of time, inconvenience, incidental expenses such as telephone calls, labor or material charges incurred in connection with the removal or the replacement of the equipment, or any other incidental or consequential damages, unless otherwise prohibited by applicable State law.

PROCEDURES TO BE FOLLOWED TO OBTAIN WARRANTY SERVICE:

Upon discovery of any defect or malfunction, notify the supplier/installer and HYDRO SYSTEMS, INC. Service Department, 29132 Avenue Paine, Valencia, CA 91355, telephone: (661) 775-0686, within (10) ten days and include a description of the malfunction or defect, the Hydro Systems distributor's name and purchase order number or the 5-digit bathtub serial number. The bathtub serial number can be found on the warranty card or on the model card located on the underside of the bathtub.

1) Upon inspection, HYDRO SYSTEMS, INC. at its option will repair or replace any defective or malfunctioning part of its system or bathtub. If repairs cannot be made on site, HYDRO SYSTEMS, INC. at its opinion will repair or replace at the factory. However, the cost of removal or installation of a replacement system and cost of transportation to and from HYDRO SYSTEMS, INC. are not covered. All parts, labor and materials necessary to repair the system or bathtub are covered except parts excluded below.

EXCLUSIONS – THIS WARRANTY DOES NOT COVER:

- 1) Any items manufactured by other companies and installed by HYDRO SYSTEMS, INC. Such items may carry warranties offered by the manufacturer of the original items.
- 2) Problems resulting from failure to comply with installation instructions or drawings, or improper installation.
- 3) Problems resulting from abuse, misuse, negligence or accident by any party other than HYDRO SYSTEMS, INC. such as, but not limited to, damage to parts by installers.
- 4) Problems resulting in whole or part from alteration or modification of these products by any party.
- 5) Metal failures due to chemical corrosion.

This warranty is provided to you as part of your purchase order. It gives you specific legal rights. You should keep it in a safe place along with your purchase order.



U.L. LISTED – Pumps



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



U.L. LISTED – Hydromassage Bathtubs



IAPMO LISTED – Uniform Plumbing Code

HYDRO SYSTEMS, INC., 29132 Avenue Paine, Valencia, CA 91355 | 661-775-0686 | Fax: 661-775-0668
sales@hydrosystem.com | www.hydrosystem.com