

Installation Manual

MyControl Bathing System

CM Signature Series

With Touch Assist Touch Screen and Blu Tooth Technologies



PDF VERSION

Accessible Bath Technologies, LLC
For Customer service call 518 937-1518 or visit us on line at
www.accessiblebathtechologies.com
www.mycontrolbathingsystem.com
www.mycontrolbath.com

Copyright 2015 - Accessible Bath Technologies, LLC. All rights reserved
Accessible Bath Technologies, VoiceMate, MyControl Bathing System,
MyControl Bathing System photos and logos are trademarks of ABT and/or
The La Londe Global Group Intellectual Property
Intellectual property licensed to Accessible Bath Technologies, LLC

All rights reserved - Patent advisory - Accessible Bath Technologies, LLC

Blu Tooth and other logos are the sole property of thier owners.

Modifications and typographical errors reserved

0011112015

Congratulations

on purchasing your MyControl Bathing System. Before using this product, please read the important safety information found within this manual. Please thoroughly read the operation manual to learn about all the features and information necessary to install software and operate your product. Visit our website at www.mycontrolbath.com to view product information and to locate an ABT authorized representative nearest you.

Product check list:

- MyControl basin - Assembled
- Hayward drain valve (in original package/box) with ABT added connector
- Water drain assembly and water level sensor (bubble wrapped and placed at tub head end) - Pre-wired to electronic control box
- Water valve network (pre-assembled and wired)
- Grohe water valve (In original package/box) - If ordered at time of purchase as separate purchase item
- Grohe water valve Trim plate 3000 (In original package/box) - If ordered at time of purchase as a separate purchase item
- MyControl Bathing System manuals available on-line @ www.mycontrolbath.com
- Touch Assist touch screen A and B (bubble wrapped as a bundle)
- Speaker/microphone Module, mounting template, and hardware

DO NOT SEPARATE COMPONENTS OR BATHING SYSTEM FROM PACKAGING WITH A KNIFE OR SHARP OBJECT

Acceptable seal inflation pressure setting must be verified, and adjusted if necessary, before the bath system is used for the first time.

DO NOT ATTEMPT THE TESTING OR REGULATION OF SEAL WATER PRESSURE UNLESS YOU ARE A QUALIFIED PLUMBER AND HAVE A CLEAR UNDERSTAND OF HOW A PRESSURE REGULATOR AND GAUGE WORKS. Burst seal and damaged components are NOT covered by warranty.

WARNING

MyControl's door seal side inlet tube is not shipped connected to the seal-to-valve in-line coupler. Test seal pressure supplied by the regulator or adjust seal pressure regulator before connecting seal side tube to coupler.

A "High flow" thermostatic temperature control valve device must be used to supply water to the MyControl water valve assembly.

Recommended thermostatic temperature control valve and trim:

Valve: Grotherm 1/2" w/ser stops GRO34123000

Trim: TSTAT trim Grotherm GRO19251000

Thermostatic temperature control valve and valve trim package are available for purchase from ABT.

Getting Started - Overview and Installation Instructions

Some or all bathing system functions could activate (excluding the whirlpool pump and heater) when MyControl is “powered-up”. This action could occur after MyControl has been unplugged from AC or after a power interruption (i.e., blackout or brown out). If power is removed from the bathing system while water is in the basin and above the minimum level points, the whirlpool might activate upon “power-up”.

Most bathing system functions are controlled by the two Touch Assist™ touch key pads. It is recommended that key pad A that controls function of the Door, Wall shower, Whirlpool, Hand shower, Faucet, Voicemate Mode, and Recognize a command be installed in close proximity to the in-tub seated person and at a location that can be easily reached from outside the bath system. Functions Train VoiceMate, Cleaning mode entry, Recognize command, Sanitize mode, Rinse mode, VoiceMate mode, Name MyControl, and Reset VoiceMate are controlled from key pad B. Key pad B should be installed at an outside of bathing system wall location next to the bath system. Please refer to “Getting to know your touch key pads” section in the Operation Manual.

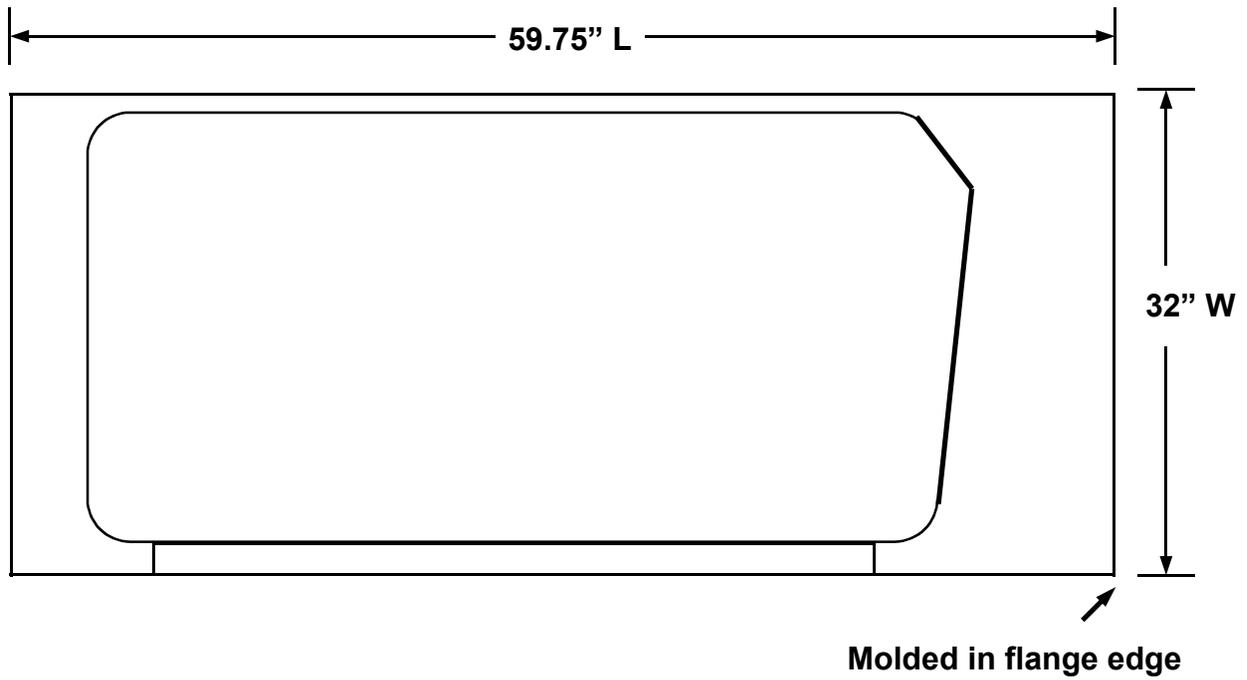
Operation Note: The door seal fills automatically when water is detected in the drain (drain in closed state). The seal inflation process has two parts to it. First part; the seal will fill to an adjustment pressure at first detection of water in the basin drain. Water sources (faucet; wall shower; hand shower) will flow water. Second part; all water sources (faucet; wall shower; hand shower) will be interrupted briefly while the seal adjusts to a final inflation pressure. All water features will be re-activated after completion of the final seal pressurization. Seal inflation process should only take approximately 3 to 4 seconds (LED indicator labeled as “Seal Pressure) located on key pad A will light during this period.

DO NOT Attempt to Open the door or release the door strikes using ANY object at the door strike locations (credit card, screw driver, putty knife, etc.). This will damage the strikes and electronic circuits; could result in damage to the basin; will void product warranty.

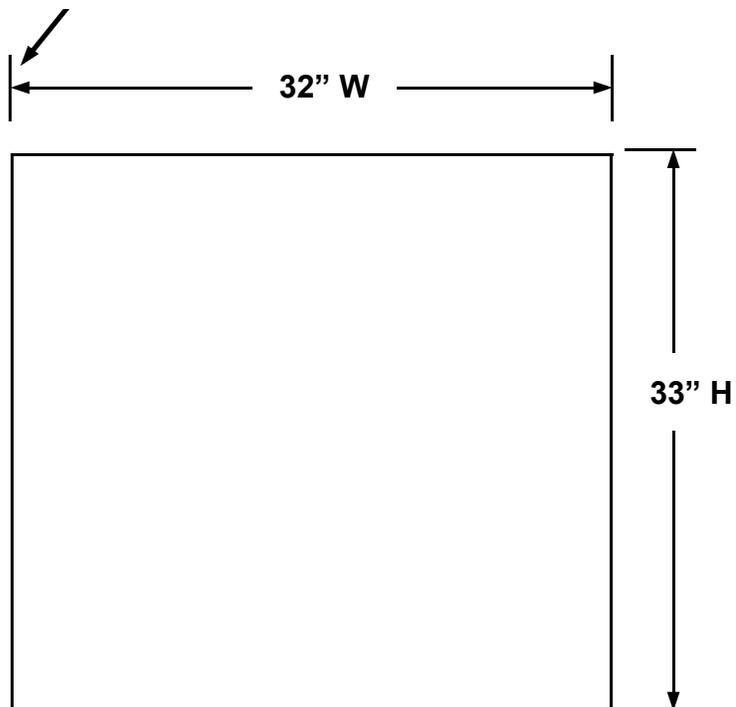
ATTENTION

MyControl’s door seal side inlet tube is not shipped connected to the seal-to-valve in-line coupler at the inflation water valve. Test seal pressure supplied by the regulator and adjust seal pressure regulator before connecting seal side inlet/outlet tube to the water 3/8” supply valve. More detail is provided in the MyControl seal pressure regulation 2015 manual.

Rough in measurements for basin

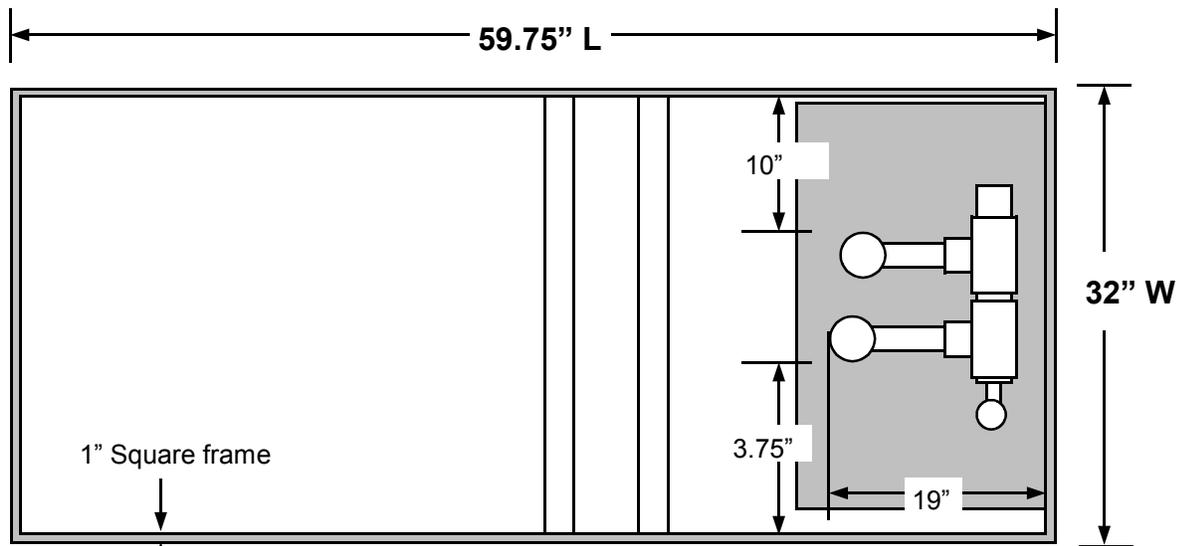


Molded in flange edge

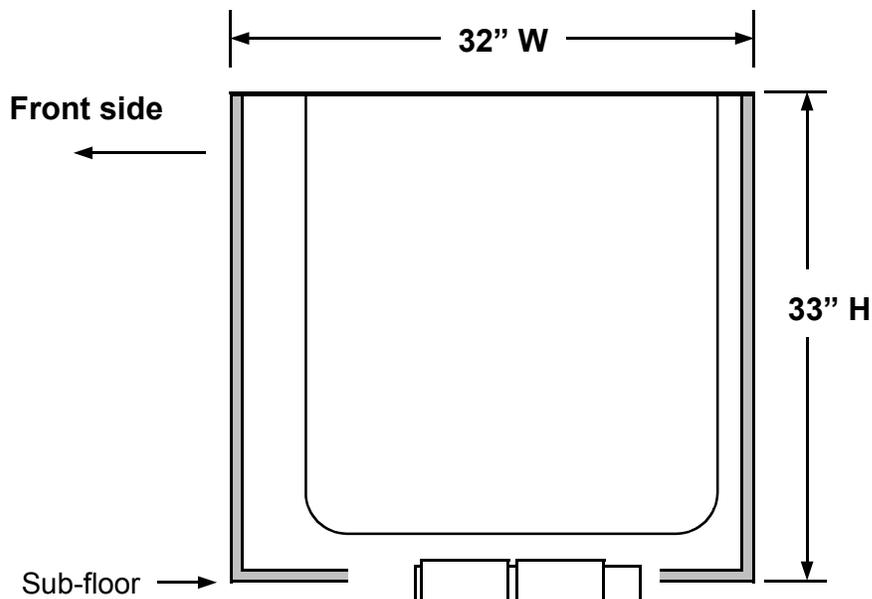


Over-all measurements are rough-in estimates within 3/8". Changes in measurements are subject to flange cuts. All measurements are O.D.

Rough in measurements for drain outlet sub floor well area



Drain well measurements are Minimum. Allow for extra clearance. Your bathing system may not arrive with two outlet drain capability. Two drain outlets are typically provided for commercial installations.



Water drain PVC outlet extends a minimum of 3.50" below the aluminum frame outside edge. Refer to Hayward automated ball valve owner's manual to obtain measurements of inlet and outlet couplers.

Zero-step entrance installation option

MyControl is manufactured to offer the ideal height for direct transfer from an external seated position to the molded-in seating area. To meet that goal of transfer ease, MyControl measures 4.25" from the bath system's bottom external edge to the bath door bottom lip surface. There are occasions where installation modifications to the door lip surface height might be a necessity, to meet the individual needs of a person as an example.

This accommodation or installation adjustment could more closely be related to the terms Zero step, Zero-free entrance, or barrier-free. Whatever the term assigned to the change, MyControl has been installed with great success in a way that places the bottom door lip surface near or at equal floor level –please see photos below.

MyControl installations have been done where the top bottom surface of the basin doorway has been made equal to floor level, all with very satisfactory results. The Photos above represent two installation modifications. MyControl measures approximately 4.25" from the floor it is set on to the top edge of the center of the bath basin (dead center of the bottom door electronic strike). Factors that determine the final floor to bottom basin door height include the thickness of the plywood flooring; thickness of the sub floor material (hardie board); the floor material adhesive thickness application; and the floor covering thickness (tile, etc.). A tiled floor choice could reduce the 4.25" measurement by as much as 1.75" to 2", perhaps even greater. MyControl can be sunk into the sub floor or the sub floor can be raised to make the accommodation. A minimum of 1/8" to as much as 1/4" should be considered being left available above the floor to allow for proper water tight sealing between the bath basin and the flooring material. Caution should be exercised so that the final door lip level does not provide for the ability of potential water collection on the external floor to enter the bottom door strike. The close to zero-step entrance goal can be obtained because MyControl's door swings inward. The seal flange located on the door itself does not pose a problem as might be found with alternative products that open and close much like a car door. Any floor surface material to bath system basin gap has been filled or sealed easily to produce a water tight transition. Using this adapting and installation process will get you to the zero-step or zero barrier goal. If MyControl is installed so that the bottom door lip surface is equal to floor level (zero-step), the measurement from floor level to the door seat area lip surface would be approximately 19" at dead center.

Please read the sub-note to follow for more information on how the bath system combines standard tub specifications with MyControl Bathing System proprietary designs and features. The sub note will provide useful information on seat transfer height.



Zero-step entrance installation option

Sub-note:

MyControl Bathing System measures 30"x60", that of a standard U.S. bath tub. This allows for direct installation into a standard bath tub area.

The final seat level is dependent on how you choose to install or elevate the subflooring. MyControl Bathing System is designed to provide a basin seat height within the range of a standard seat-to-floor wheelchair height, 18" to 20". Wheelchair heights sometimes vary to provide a person the best fit. For a person 5' 4" and above, the standard 19" to 21" seat height works well unless using a wheelchair cushion. MyControl features a stand-alone framing system built in as standard. This means that the bath system could receive a bather just by sitting in the system in the middle of a room. One wouldn't take a bath that way. One benefit of the stand-alone framing is that MyControl can, at installation, be sunk into a subfloor or elevated upward to adjust to an individual's specific needs; all without effecting the bath system's operation or structural integrity. Using this adapting and installation process will help to achieve the zero-step or zero barrier goal. If MyControl is installed so that the bottom door lip surface is equal to floor level, the measurement from floor level to the door seat area lip surface would be approximately 19" at dead center.

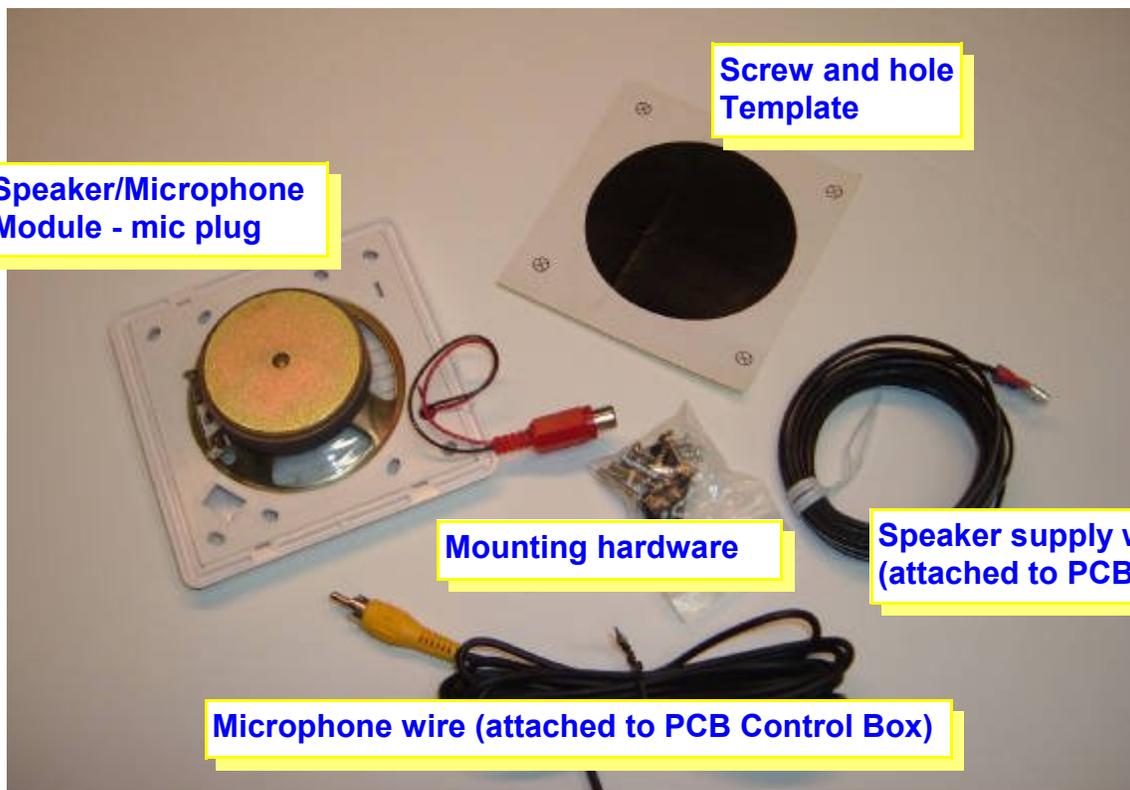


Installation of Microphone & Speaker Module

The Mycontrol Model 28A00-4 is a speaker and microphone assembly that is designed to mount in a double gang electrical box or flush to a wall. It allows two-way communication with your MyControl Bathing System. It must be used in close proximity to the installed MyControl Bathing System in water protected areas.

Refer to the installation and hook-up instructions shipped in the speaker/microphone box or use the following. **DO NOT DISCARD THE INSTRUCTIONS THAT ARE SHIPPED WITH THE SPEAKER/MICROPHONE.**

The instructions that accompany the speaker Microphone provide a mounting template and additional instruction information that might have been updated for your model.



INSTALLATION

1. Using supplied template, drill 4 holes in drywall (at locations marked "X"), see figure 1, and insert wall anchors.
2. Using the supplied template, cut out 3.25 inch diameter hole in drywall (solid black circle) to ensure component clearance.
3. Using a screwdriver with a small blade, remove the screw that holds the grille to the speaker/microphone assembly.

4. Place the screwdriver in the slots (top and bottom on the rear of the speaker/microphone assembly) to remove the speaker grille.
5. Route the wires attached to the speaker through the wall hole assembly marked "C" in figure 1.
6. Line up mounting holes marked "B" in figure 1 with wall anchors (from step 1). Secure speaker/microphone assembly to wall using the provided screws.
7. Connect the microphone RCA M/F plugs together (located close to the two-way voice module).

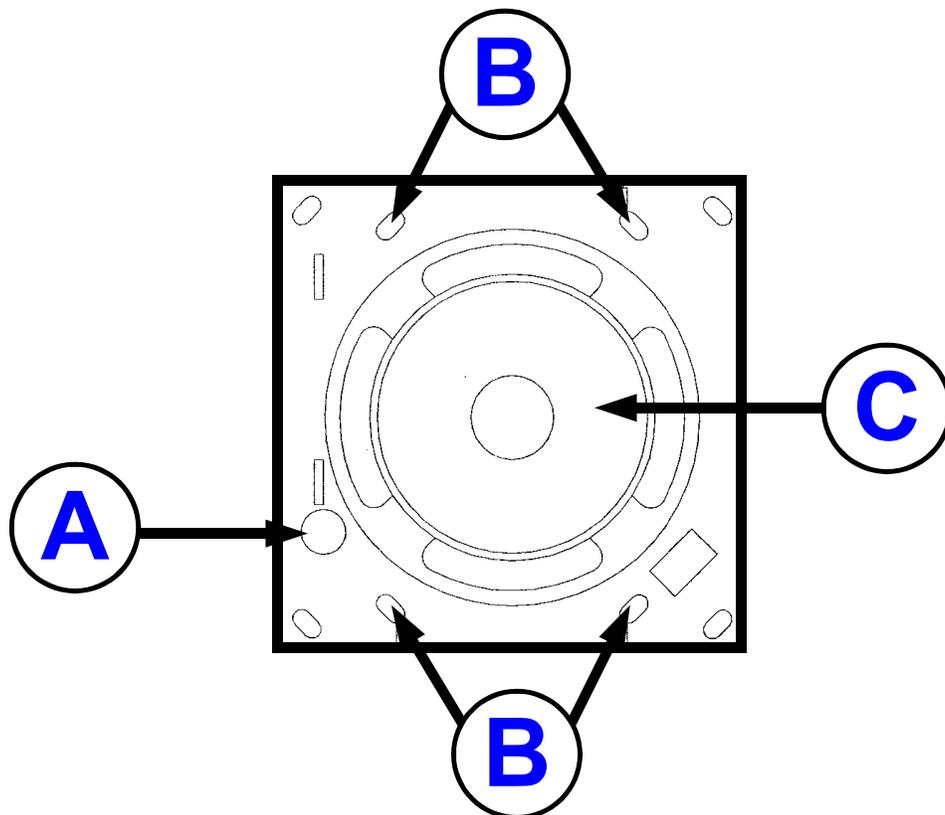


Figure 1 - Mounting the the Speaker /Microphone Assembly

8. Connect the speaker wires to the Speaker. The microphone and speaker are pre-wired to the appropriate length. Do not extend the wire lengths.

**T
HE MYCONTROL VOICE AND SOUND RECOGNITION FEATURE WAS DESIGN TO OPERATE**

WITH ONE SPEAKER. DO NOT ADD ADDITIONAL SPEAKERS TO THE SPEAKER OUTPUT.

9. Snap the grill back onto the speaker/microphone assembly and replace screw (from step 3) to secure.

SPECIFICATIONS

Speaker type:	Polypropylene Weather Resistant
Power rating:	15 watts
Microphone:	Electret Condenser, Omni-Directional
Housing Material:	UL-94 Flame Retardant Plastic
Color:	Decorator White
Dimensions:	4 1/2" H x 4 1/2" W x 1 1/2" D (Protrudes only 1/2" when flush mounted)
Hardware:	8 mounting screws and 4 wall anchors
Speaker wire length:	7 Ft.
Microphone wire length:	7 Ft.

Install The Touch Key pads

Carefully unpack each touch key pad module from the bubble wrap packaging. **DO NOT USE A SHARP OBJECT.**

Key pads are referred to as key pad **A** and **B**. Key pad **A** controls all water functions, the door, the drain, and the VoiceMate Mode and Recognize functions. Key pad **B** controls VoiceMate functions and the Cleaning Mode feature. Each key pad cable is pre-attached to the PCM (programmable controller module) enclosure. Run each cable to the location you will mount each before sealing a wall if there will not be access to run after ruff-in or finishing work is completed. It is recommended that key pad **A** be mounted on the back side wall of the bathing system in close proximity to the seat area (mount location should be where a seated person or out of tub person can reach the key pad easily). Key pad **B** should be mounted outside of the bath at a location where a seated or standing person can easily reach it.



Install the two 3 gang electrical boxes in locations recommended above. Once installed, route the key pad wires through the boxes and then carefully plug into the key pad back side.

Align the six key pad holes with the six gang box holes. Screw the supplied hex head stainless steel fasteners into the mounting holes and through to the 3 gang wall box. **DO NOT OVER TIGHTEN THE SCREWS. THE KEY PADS WILL CRACK. CRACKED KEY PADS ARE NOT COVERED BY THE WARRANTY.**

Apply silicon around the wall plate outer edges to completely seal out water.

Be sure to fully seal the wall plate touch screen assemblies to the mounting surfaces. Apply silicon around the wall plate outer edges to completely seal out water. Water exposed PC boards are not covered by the product warranty.



No Need to put hands in dirty soapy bath water, mess with or hit your feet on pop-up drain controls, or deal with corroded drain chain devices. MyControl's drain is controlled by a Series EA Electrically Actuated True Union Ball Valve.

Corrosion Resistant: Hayward EATB Series include a PVC true union ball valve w/EA electric actuator which comes standard with an all polypropylene housing for superior corrosion resistance. These NEMA 4/4X polypropylene housings can stand up to harsh environmental and corrosive conditions.

Extra Features - No Extra Cost: Hayward EATB Series come standard with a mechanical brake for precise control of the actuation cycle, 115VAC, plus a thermal overload circuit protects the UL-listed motor from burnout and overheating. All models come with a molded in mounting bracket.

Valve Features

- Full Featured Valve and Actuator Combination
- All-plastic PVC construction
- Rated to 225 psi
- EPDM seals
- PTFE seats
- Full port design
- Fully Serviceable
- Double o-ring stem seal
- Actuator Features
- All-plastic Nema 4x enclosure
- Thermal overload protection
- Permanently lubricated gear train
- Actuator brake
- No need for manual adjustments
- End connections: Socket and threaded



MyControl Bathing System - Water valve manifold Network

The Signature Series manifold is manufactured using push fittings. Push fittings are a heat free method for joining copper, CPVC, and PEX tube. Connecting the wall shower, hand shower, and the water inlet is simple, requiring no extra materials beyond the fitting provided for connection for copper and CPVC tubing installations, and a push fitting plus a tube liner for PEX installations.

The water Valve Manifold is pre-mounted at the factory. Just make the incoming water pipe connections to the water inlet, wall shower and the hand shower outlets.



It's smaller than it looks!

INSTALL YOUR MYCONTROL BATHING SYSTEM

Unpack your MyControl Bathing system. Inspect the bathing system for possible shipping damage.

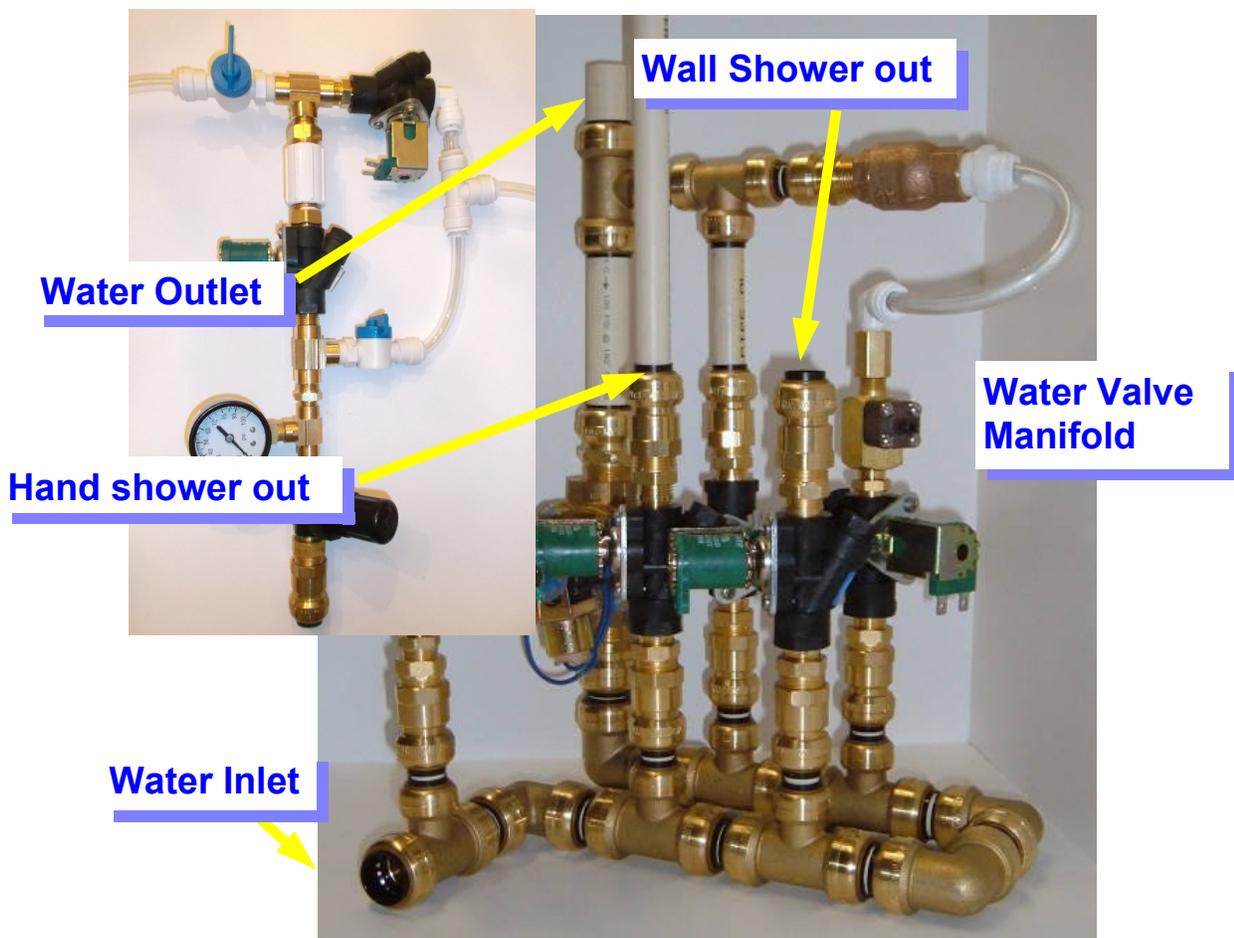
TO PROTECT AGAINST DAMAGE, DO NOT REMOVE THE PROTECTIVE FILM FROM THE BATHING SYSTEM UNTIL IT IS PLACED SECURELY INTO IT'S FINAL INSTALLATION LOCATION.

DO NOT SEPARATE COMPONENTS OR BATHING SYSTEM FROM PACKAGING WITH A KNIFE OR SHARP OBJECT

Place MyControl in location where it will be used, a level floor is required for proper operation. The bathing system must be installed in a way that allows for access to the right and left side ends or to the full back side. This is necessary to provide access to the inside components of the bathing system after installation. **DO NOT** connect the basin drain outlets or the electric ball valve until the bathing system is secure in place. Basin might crack if set on the drain outlets. Make a support to go under the combined tub drain outlet and water sensor assembled unit and a support to go under the electric ball valve at the inlet and outlet sides.. **DO NOT** attempt to hook up the drain assembly or the electric ball valve without the under supports. See drain installation photos.

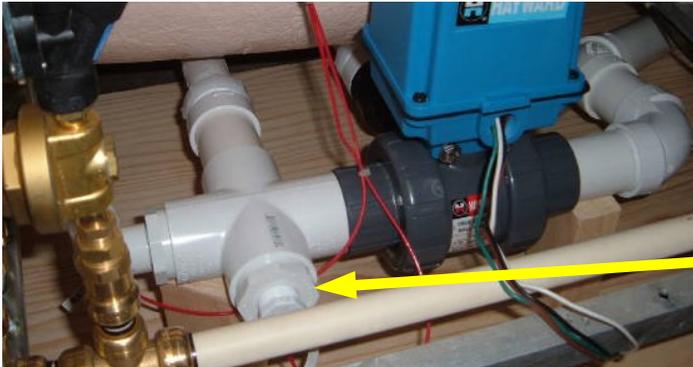
Mount the bathing system to the wall at the water flange only. Flange and mounting screws should be covered by tile at time of finish work.

*Seal pressure regulator and valve network may vary in appearance.



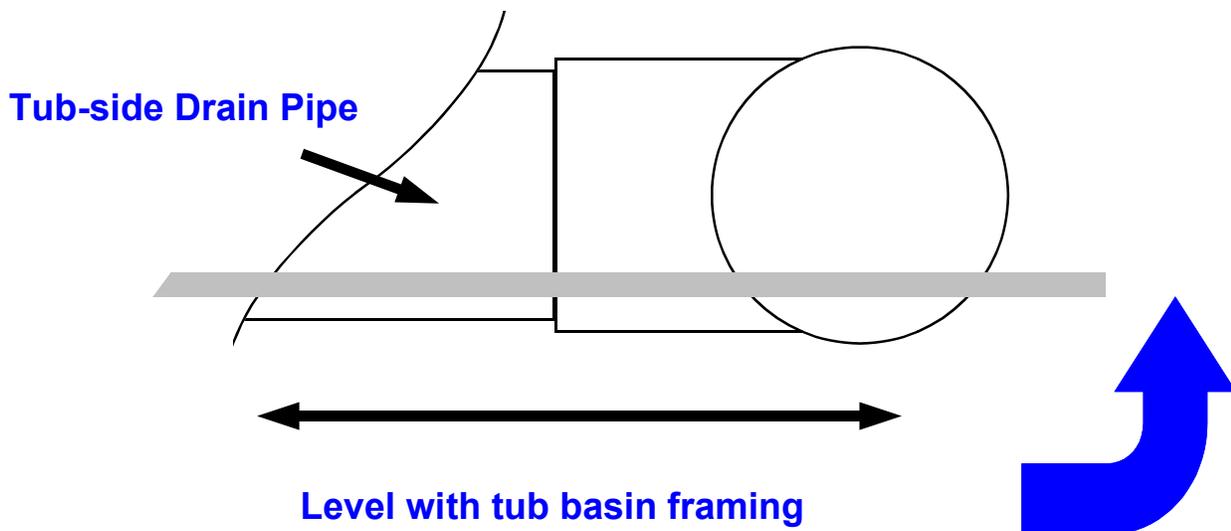
Electronic water sensor

MyControl Water detection and water safety features are dependant on an electronic sensor that mounts in the Bath system drain outlet piping. See location. Do not move the sensor mounting location from the stated location. Read detailed information about the sensor in the Operation Manual.



On-screen Status box

View status – shows status of the door and water level in exact inches and feet (-0.02, etc.). Installation of the water drain places the sensor below the bath basin. The PCM software provides for adjustment of water level zero. Other computer-based adjustments like setting the whirlpool water activation/deactivation level and maximum water level stop can be made. PCM software information is available in the Operation Manual.



The water valve manifold and associated push fittings must not come in contact with household cleaning products, oils, ammonia, nitrates, or other solvent base materials that may be used during or after installation of the water valve supply lines or used in the MyControl cleaning system. Use a disinfectant product in the cleaning system that is qualified and certified for human contact and suitable for the application of cleaning and disinfecting only.

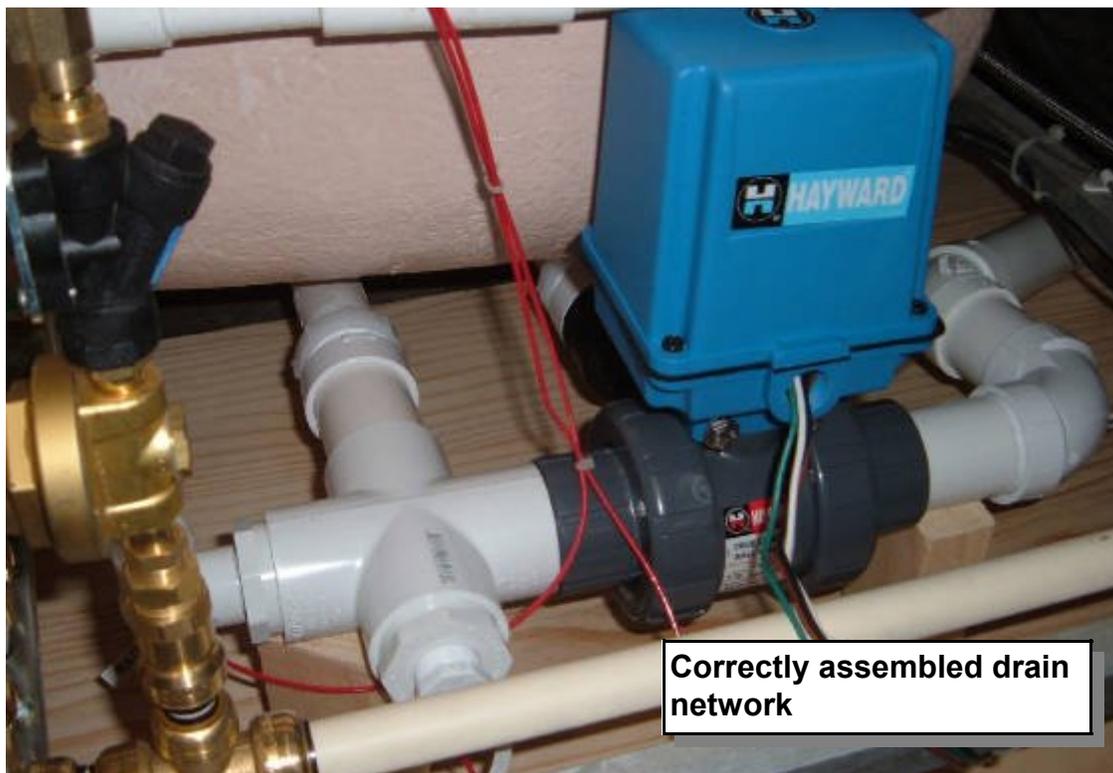
Connect the drain outlet and water level sensor assembly and the electric ball valve



DO NOT CUT DEEP ENOUGH INTO BUBBLE WRAP PACKAGING TO DAMAGE WIRING AND CONTENTS.



Make and place supports under the drain outlet and water sensor assembly and the inlet and outlet sides of the electric ball valve. Supports will also assist in leveling the drain outlet and electric ball valve. **DO NOT ATTEMPT TO ASSEMBLE THE DRAIN OUTLET NETWORK WITHOUT FIRST INSTALLING SUPPORTS.** The basin may crack from the weight of the drain assembly. Level the tub drain outlet and water level sensor tube square to the basin framing for proper operation of all sensors (see illustration).



Correctly assembled drain network

Connecting the Grohe water valve to MyControl's water valve manifold - Connecting wall shower, hand shower

Water inlet pressure coming from the Grohe water valve to the water manifold **MUST BE** maintained at a minimum of 45 PSI with all water supply outlet valves open for the tub seal to maintain proper inflation.

Install the Grohe water valve as per the manufacturer's instructions that accompanied the valve. The water valve manifold is pre-assembled and installed within the Bathing System. The only connections you need to make is from the Grohe Water valve to the inlet of the water manifold, from the faucet and hand shower water valve manifold outlets to their connections, and from the bathing system drain to the Hayward actuated ball valve (used as a controller of the drain water). Run a water supply line from the Grohe water valve's outlet to the inlet of the MyControl Water Valve manifold 3/4" adapter. It is recommended that a quick shut-off valve be installed at the water valve manifold inlet to aid when servicing the manifold components. Connect the wall shower and hand shower lines to the water valve manifold 1/2" adapters. You can connect water lines directly to water valve manifold adapters using PEX, CPVC or copper. See Water valve manifold illustrations for inlet and outlet locations. All Signature bathing systems are fitted with ABT's Quick-Push water ladder. The push fitting adapter and supply piping simply push together in seconds to create a perfect joint. No torches and no solder are required. Push fittings are removable, using a demounting tool supplied with your bathing system (attached to the water valve manifold). In addition, the fittings are reusable, following the fitting installation procedures. Refer to the push fitting Installation and specifications manual and the push fitting product data sheet at the back of this manual if you are not familiar with using push fitting type products.



CPVC to 3/4" push fitting at water inlet



1/2" push fittings supply wall and hand shower piping



Drain Assembly

MyControl's drain is controlled by a Series EA Electrically Actuated True Union Ball Valve. 1-1/2" for residential and 2" for commercial systems. Be sure to read and follow the installation and operation instructions that were shipped with the Hayward electric ball valve. **DO NOT CUT DEEP ENOUGH INTO THE BUBBLE WRAP PACKAGING TO DAMAGE CONTENTS.**

Make and place supports under the drain outlet and water sensor assembly and the inlet and outlet sides of the electric ball valve. Supports will also assist in leveling the drain outlet and electric ball valve. **DO NOT ATTEMPT TO ASSEMBLE THE DRAIN OUTLET NETWORK WITHOUT FIRST INSTALLING SUPPORTS.** The basin may crack from the weight of the drain assembly. Level the tub drain outlet and water level sensor pipe/tube square to the basin framing for proper operation of all sensors. Refer to "Connecting the drain outlet and water level sensor and ball valve" page.

Connect the tub drain outlet (connected at tub basin) PVC pipe to the Hayward electric actuated ball valve and make the connection to the waste water outlet pipe running out to the sewer. Be sure to place the drain trap after the ball valve outlet. **DO NOT PLACE THE DRAIN TRAP BETWEEN THE TUB BASIN DRAIN OUTLET AND THE BALL VALVE INLET.** Use caution when gluing the water supply lines and ball valve in place. Glued valves are not covered under the valve manufacturer's

warranty. Refer to the Hayward valve documentation and instructions that are packed with the ball valve.

Connect the electric ball valve male and female power connectors together.

Connecting the manifold 3/4" water valve to the faucet device

3/4" CPVC, PEX or copper tube can be connected between the 3/4" water valve located on the manifold and the faucet device (located on basin). This method will deliver true 3/4" water supply. Use supplied male 3/4" press fitting at faucet inlet.



MyControl Bathing System uses a water seal pressure regulator and valve network to inflate and deflate the door seal. Read the manual titled MyControl Seal Pressure Regulation before attempting to power up or operate the bathing system. The seal pressure regulation set up and test procedures **MUST** be carried out to reduce the risk of damage to the bath system seal and to reduce risk of door seal failure.

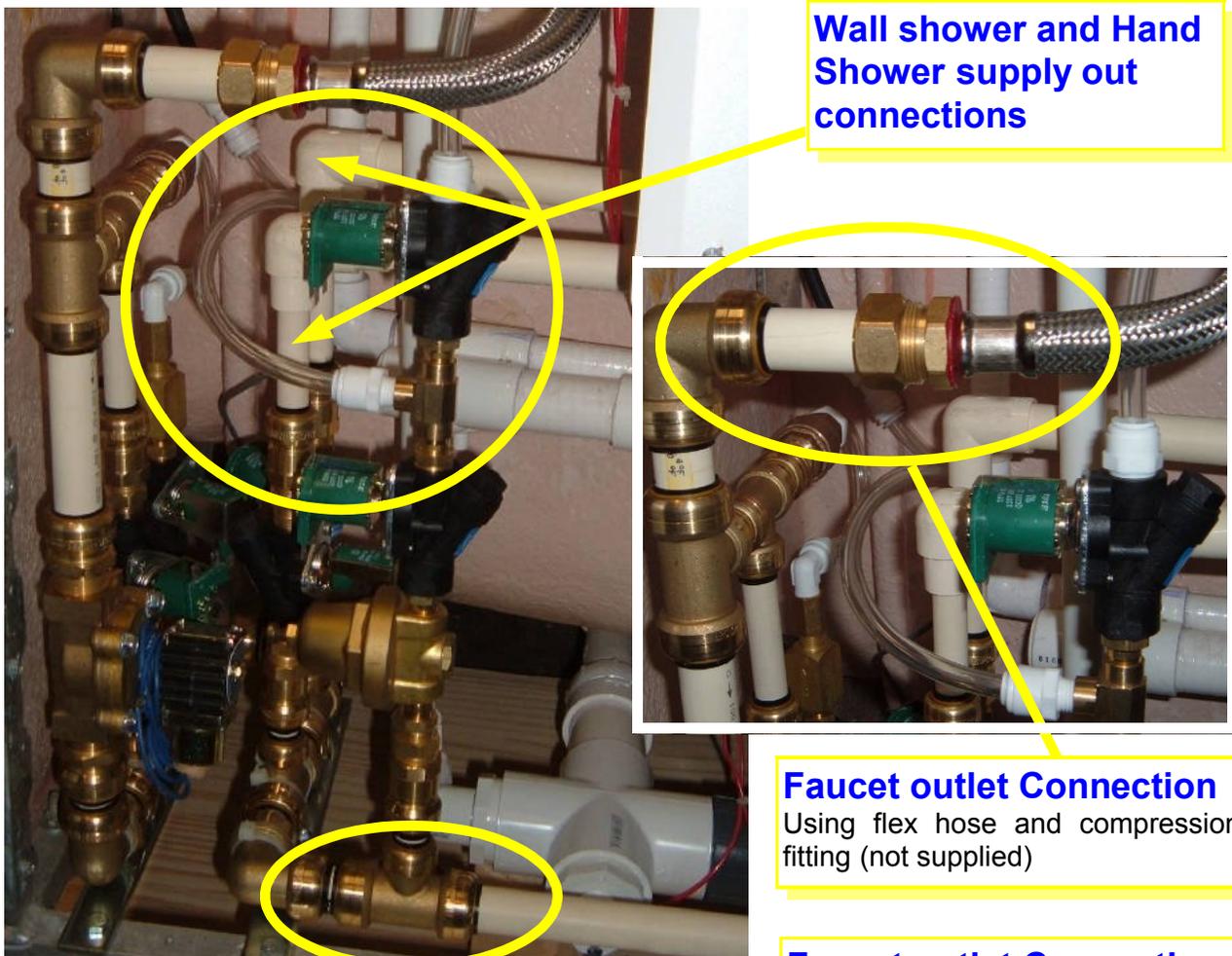
As with any project involving cementing parts, special attention must be paid to some of the parts when assembling. Parts like the electric ball valve couplers, and water supply lines leading into and out of the water valve manifold. We suggest using a cement that is specifically recommended for CPVC application. There are many to choose from. All purpose cement for PVC, ABS, and CPVC is also available in many brands. Remember to pay close attention to what you are doing while cementing parts. **VALVES AND PARTS DAMAGED BY RUN-A-WAY CEMENT ARE NOT COVERED OR REPLACEABLE UNDER THE WARRANTY.**

Connecting the water valve manifold to supply lines

Quick Press - the newest addition in the MyControl family of easy technologies. The Signature Series manifold is manufactured using push fittings. Push fittings are a heat free method for joining copper, CPVC, and PEX tube to the water valve manifold. Connecting the wall shower, hand shower, and the water inlet is simple, requiring no extra materials beyond the fitting provided for connection for copper and CPVC tubing installations, and a push fitting plus a tube liner for PEX installations.

All push adapters tested to and passed all requirements for ICG 188 & ANSI/NSF-61. Surpassed rigorous mechanical and health effects performance requirements, including ASSE 1061, ANSI/NSF 61, and ANSI/NSF 14. Push fittings are pressure rated at 200 psig (13.8 bar) over a temperature range from 0 degrees to 250 degrees F. Push fittings carry a manufacturer's 50 year warranty against material defects and workmanship.

NOTE: It is recommended that a quick shut-off valve be installed at the water valve manifold inlet to aid when servicing the manifold components.



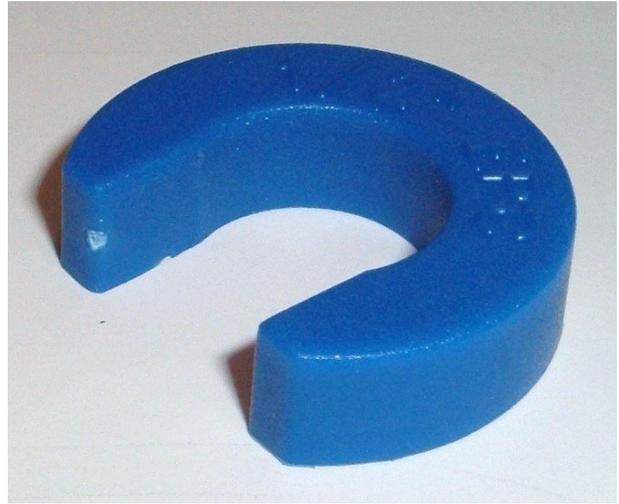
Wall shower and Hand Shower supply out connections

Faucet outlet Connection
Using flex hose and compression fitting (not supplied)

Faucet outlet Connection
3/4" CPVC tube can be connected between water valve manifold and the faucet to deliver full 3/4" water supply. Use supplied male 3/4" press fitting at faucet inlet.

Supply inlet Connection (From Grohe water valve) It is recommended that a quick shut-off valve be installed at the water valve manifold inlet to aid when servicing the manifold components.

The use of solder, flux, and heat, or special pressing tools is eliminated with ABT's redesigned water valve manifold. The new design lowers connection costs, reduces labor time, and allows for a clean and efficient installation. Connections can be removed and reassembled again and again.



Demounting tool

Use tool to remove tubing or copper piping from inlet and outlet fittings. The tool should be used to remove fittings when replacing valves.



Connections for the wall and hand showers can be made to the 1/2" fittings on the water valve manifold. Measure and mark all pipes to ensure that the fitting is pushed to the proper depth.

Connect the 3/4" water inlet piping to the water valve manifold by simply pushing the the pipe into fitting. Measure and mark all pipes to ensure that the fitting is pushed to the proper depth.

Push fitting adapter assembly for copper and CPVC tube

Copper water tube per ASTM B88, Type K, L, & M, both hard drawn and annealed, may be used with push fittings. In addition, CPVC water tube per ASTM D2846/2846M-99 may be used with fittings.

Step 1 - Cut the tube with a tube cutter. Each cut should be perpendicular to the centerline of the tube.

Step 2 - Remove burrs by chamfering the tube at the inside and outside diameters.

Step 3 - Mark the tube exterior at the depth shown below. The tube insertion depth is the same whether the tube material is copper, CPVC, or PEX.

Tube size	Insertion depth
1/2"	15/16
3/4"	1-1/8

Step 4 - Holding the fitting tightly, insert the tube straight into the fitting with a twisting motion until the depth mark on the tube outside diameter is aligned with the end of the fitting. If the mark and the end of the fitting are not aligned, then continue to push the tube to the full insertion depth.

Note - Inserting a properly chamfered tube straight into the fitting cup will produce a leak free joint, reduces force, prevents O-ring damage, and insures the tube is easily inserted to the correct insertion depth. Inserting the tube at an angle and pulling it into proper alignment is poor assembly practice and may result in a leaking joint.

Push fitting assembly for PEX tube

Push fittings are designed to join PEX water tube that meets the requirements of ASTM F876, F877. In order to make an effective joint, a tube liner is required (packaged and taped to the water valve manifold). Tube liners have been specifically designed for use with the push fittings/adapters used in the manufacture of the water valve manifold; do not substitute any other manufacturer's tube liner. Liners are supplied in 1/2" and 3/4" sizes.

Follow steps 1 through 3 as described in the written description above.

Once the tube outside diameter is marked at the proper depth, the tube liner is then inserted into the end of the tube. The liner must be pushed into the tube until the collar is set firmly against the end of the PEX tube.

With the tube liner in place, complete step 4 above, insert the tube into the push fitting. Verify that the depth mark on the outside of the PEX tube aligns with the end of the push fitting. If the mark and the end of the fitting are not aligned, then insert the PEX tube to the full insertion depth.

Guide to tube removal from push fittings

The push fitting joining system has been designed with easy, efficient removal disconnection in mind.

The following removal procedure is used for the 1/2" and 3/4" push fittings and all compatible tube materials.

- 1 Select the correct size removal tool for the tube size. Place the removal tool around the tube next to the fitting assembly. The flat side of the tool should be placed in contact with the fitting.



- 2 Push the removal tool toward the fitting firmly until the grab ring is compressed. With the removal tool firmly held in place, use a twisting, and pulling motion to remove the tube from the fitting. Release the removal tool after the tube is removed.
- 3 If the tube is to be Re-used, check the tube for score marks, and any other defects such as dirt, or chips. If any defects exist, the tube must be repaired as needed to meet the installation requirements detailed previously in this installation manual.
- 4 Check the internal parts of the fitting. The grab ring, protection ring, and o-ring must be in the housing and aligned with the fitting opening. If all of the parts are in good condition, and aligned, then the fitting is ready to be assembled with a properly prepared pipe or tube.

NOTE: If the pipe/tube material is PEX the PEX liner might stay in the fitting after tube removal. If this occurs the liner must not be removed as damaged to the grab ring may result. The PEX liner can be reused in this situation with PEX tube only. Copper or CPVC shall not be used with a fitting that has had a PEX liner forcibly removed.

General guidelines to follow when connecting to the push fittings located on the water valve manifold

Heat should not be applied to push fittings or the water valve manifold, either directly or indirectly.

Water supply lines leading into or out of the water valve manifold should not be connected in solder or blazed piping systems until after the components have been allowed to cool. The plumbing system should be cool to the touch at the time of tube or pipe connection to push fitting on the water valve manifold.

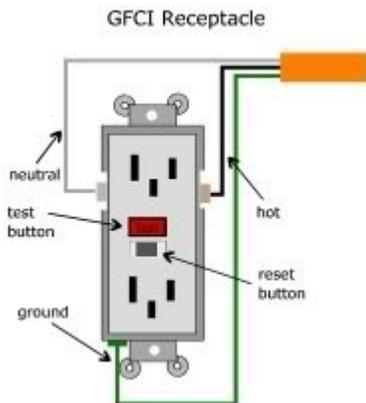
Soldering or blazing should not be done within 12" of any push fitting.

DO NOT USE ANY ADDITIONAL LUBRICANTS, OR SEALING COMPOUNDS WITH THE PUSH FITTINGS. The water valve manifold and associated push fittings must not come in contact with household cleaning products, oils, ammonia, nitrates, or other solvent base materials that may be used during or after installation of the water valve supply lines or used in the MyControl cleaning system. Use a disinfectant product in the cleaning system that is qualified and certified for human contact and the application of cleaning and disinfecting only.

Plug in the PCM power cord to a dedicated AC wall outlet only after you have read and fully understand the Operation manual supplied as a separate document.

NOTE: Plug the bathing system power cord that supplies the control box into a dedicated GFCI AC outlet only.

The whirlpool pump must be supplied power from a dedicated GFCI AC outlet that is separate from the controller AC power outlet.



If you followed all of the directions correctly, MyControl Bathing System is ready for use. Test all functions of the bathing system prior to finishing the immediate area around the tub (i.e., sealing the tub to a floor and wall). Refer to the operations instructions as the next step in the installation and operation process. It is advisable that end user operation be prolonged until all rough-in and finishing work is completed.

Operation Note: The door seal fills automatically when water is detected in the drain (drain in closed state). The seal inflation process has two parts to it. First part; the seal will fill to an adjustment pressure at first detection of water in the basin drain. Water sources (faucet; wall shower; hand shower) will flow water. Second part; all water sources (faucet; wall shower; hand shower) will be interrupted briefly while the seal adjusts to a final inflation pressure. All water features will be re-activated after completion of the final seal pressurization. Seal inflation process should only take approximately 3 to 4 seconds.

Please enjoy your MyControl Bathing System Experience Safely

Maintenance and Safety

Your MyControl bathing system is designed to require little to no maintenance, outside of normally necessary house-hold cleaning, under normal use.

Press Reset on the touch panel if VoiceMate fails to recognize commands or to train. You will hear a beep. Operate VoiceMate.

You may reset the MyControl by unplugging the AC power plug from the AC outlet for 20 to 30 seconds. Plug the power cord back into the dedicated AC outlet and try operation again. DO NOT USE the bathing system outdoors.

Wipe the Basin, and all surfaces, using a cleanser approved for use on acrylic, with a warm, damp cloth. Be sure to clean the tub seal after each use. This will assist in preventing soap and dirt build up, helping to assure a tight seal of the door. Do not use harsh or abrasive cleansers. A mild soap will be sufficient for wiping clean the door latch, door strikes, and door hinge. Take advantage of the hand shower and rinse the MyControl inside tub surfaces clear of all cleaning agent and dirt. **DO NOT SPRAY OR APPLY WATER TO THE DOOR STRIKES, DOOR LATCHES, AND OUTSIDE HINGE.** Small amounts of water that may be present under normal use should be wiped away from these surfaces/components immediately and after each tub use.

THE DOOR STRIKES ARE HOLLOW AND WILL ALLOW EXCESSIVE WATER TO RUN THROUGH TO THE INSIDE OF THE TUB BASIN. THIS WILL RESULT IN A WET UNDER TUB SURFACE. DO NOT APPLY OR ALLOW WATER TO RUN INSIDE THE DOOR STRIKES.

DO NOT ALLOW CHILDREN TO PLAY IN OR AROUND THE BATHING SYSTEM. Persons and animals can become trapped inside the bathing system. Drowning can occur. The bathing System power plugs and AC to DC power adapters **MUST** be plugged into a GFCI outlet. This will assist in preventing electrical shock.

Proper care will prolong the life of this product significantly.

Service Procedure

Required Service Procedure:

All Service request and returns must receive pre-authorization from ABT. LLC

Contact Accessible Bath Technologies for all service requests. You can obtain the address of a service facility or service agent nearest you by visiting www.mycontrolbath.com or by calling 519 937-1518.

If return to our factory is necessary, device must be shipped in original carton, or packed to prevent damage from shipping.

Enclose your name, street address and phone number(s).

Enclose a note explaining the problem you are experiencing with the device.

Send original sales slip or other evidence of purchase.

Freight charges remain the responsibility of the consumer or dealer.

Labor charges to remove and install the device remain the responsibility of the consumer or dealer.

See the enclosed full warranty terms in this owner's manual.

It is highly recommended that service of your MyControl bathing System be performed on location/ at place Bathing system is installed. Damage will most likely occur to the bathing system if attempts are made to remove it from a hard install location (tiled into place, screwed to wall and floor beams, etc.).

Special Notes

MyControl Bathing System is intended to be used by adults or used by those while under adult supervision. Adult maturity and common sense should be observed when using this product. VoiceMate should not be used when able-body human assistance is not readily available.

For health reasons and because all bathing systems are custom manufactured for each order, MyControl can not be returned for refund. Refunds may be granted at the sole discretion of ABT. In no case will a refund be granted if the bathing system or its components are used in any way, whether installed permanently or temporarily. The Bathing System is non-returnable for refund if the protective power plug and power adapter labels have been removed. Glued piping and other signs of operation are suitable indications and evidence of product use. Please review the product warranty and your terms of sale located on or with your purchase agreement for specific details.

DO NOT SIT ON BATHING SYSTEM DOOR. DOOR PIVOTS, DO NOT LEAN FULL BODY WEIGHT AGAINST DOOR. DO NOT USE DOOR AS A GRAB BAR. USE CAUTION WHEN LEANING ON DOOR TO ASSIST A PERSON WHO IS IN BATHING SYSTEM.

All bathing system functions are controlled by electronics and/or electricity. In the event of power failure, the bathing system door will remain secure. This assures that water is kept safely inside the basin and not on the floor. It is advisable to have a plan of exit for the bather. A back up power system is available as an option that will power the bathing system to allow for limited operation of the bathing system. The back up power system does not operate the whirlpool and whirlpool heater. User and owner assume all liability for any consequence(s) or damage(s) arising from bath system use, direct or indirect.

As with all whirlpool systems, pregnant or possibly pregnant woman should consult a physician before using the whirlpool.

Water temperatures in excess of 100 degrees Fahrenheit are not recommended.

Persons with obesity or those having a medical history of heart disease, low or high blood pressure, circulatory system problems or diabetes should consult a physician before using any whirlpool system.

WARNING- Risk of electrical shock. Do not permit any electrical appliances (light, telephone, radio or television) within five feet or less of any bathing system or whirlpool bath. Most state codes require the use of a GFCI at all outlets that supply power to a whirlpool, electrical devices and AC household power outlets located in a bath room or where electrical power is supplied near a water source.

Warning - Risk of child or adult drowning. To reduce the risk of accidental drowning, do not permit children or the infirm to use the bathing system unless they are closely supervised. The use of alcohol, drugs or medication before or during use of the bathing system may lead to unconsciousness with the possibility of drowning. Consult a physician before using the bathing system if a person is taking any medication.

Do not remove suction covers from the whirlpool water inlet during operation. If removed for cleaning, replace immediately after cleaning is finished. Always disconnect power to the whirlpool pump before removing the suction inlet screen.

CAREFLO ADVANTAGE suction safety

With no moving parts and no electrical connections, CareFlo monitors the degree of suction inside the bathtub. If a preset level of suction is exceeded, CareFlo disables the pump from pulling water through the suction cover by causing the pump to temporarily lose water prime. Once the proper level of safe suction draw is restored, CareFlo automatically permits the pump to again pump water. Safe. Automatic.

Pillows or cushions supplied with the bathing system are not floatation devices.

The bathing system must be installed in a way that allows for access to the right and left side ends or the full back side. This is necessary to provide access to the inside components of the bathing system.

Purchaser/owner/user must accept that this device may send or receive interference signals, RF, light sources, etc. And that such interference might effect device operation.

Technical Data Sheets for individual parts used in the manufacturing of MyControl are provided in the complete User's manual that accompanies the product. For copies, please call 518 937-1518.

Technical data sheets for Watts Series 3934 Trip Lever Plastic Bath Drains are provided for reference only.

The Watts drain set that is included with MyControl Bathing System has been altered by ABT to conform to the applicable applications of drain outlet and faucet inlet. The over flow plate has been changed to a non-lever cover plate.