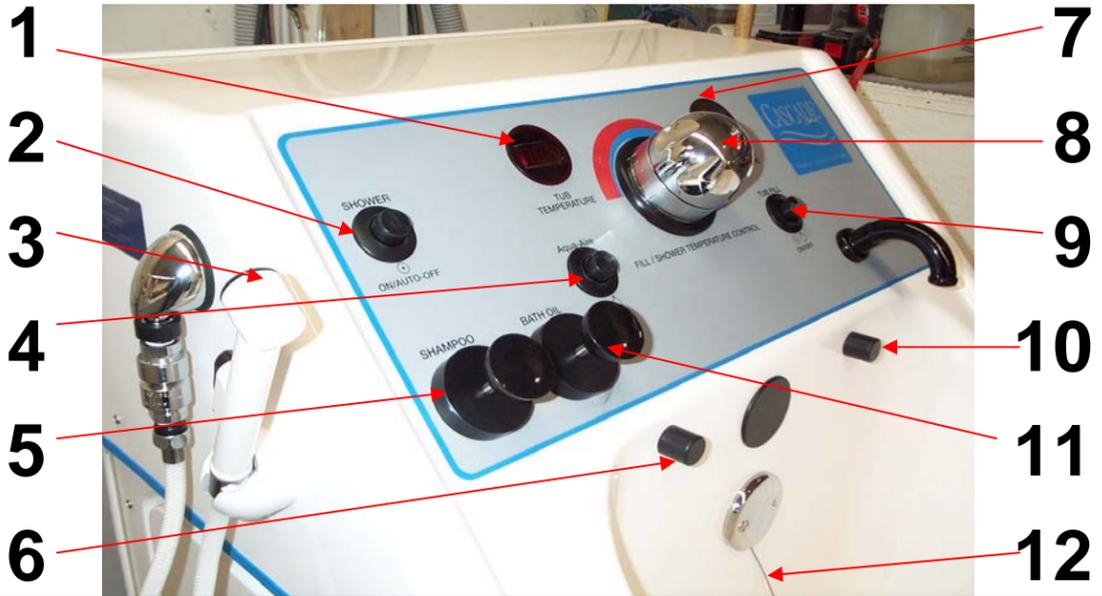


# CASCADE AQUA-AIRE TUB OPERATION



## Locking the Cascade Water Door

With lever in the upright position, close the door tight against the tub.

- When the door is against the tub, push the lever over to the right so the lever is the LOCK position. (Label at base of lever indicates "UNLOCK" or "LOCK" positions)
- The door is now locked in place.

**(Note) To extend the life of the Water Door Seal, leave the door open when not in use.**

## Unlocking the Cascade Water Door.

- To unlock, first pull up on the door handle release and hold it.
- Then move the lever to the "unlock" position.
- The door is now unlocked and able to be opened. **(Door must be left open when not in use)**

## Cascade Reservoir (Refer to your Cascade Operation Manual when a Reservoir is applicable)

The Optional Cascade Reservoir is a specially designed water holding tank that you fill with water first, and then once the resident has been transferred into the tub you release the water into the tub. By filling the reservoir first, it allows you to fill the tub in 70 seconds or less and keeps the time the resident is unclothed and out of water to a minimum.



### WARNING

**NEVER ATTEMPT TO UNLOCK THE DOOR WHILE THERE IS ANY WATER IN THE TUB. FAILURE TO HEED THIS WARNING MAY RESULT IN INJURY TO A RESIDENT AND OR OPERATOR.**

## Preparation (Before Bath)



### WARNING

**Only personnel who have been thoroughly trained in the operation of the Cascade Sit-Bath System 6900 should operate this equipment. Operation of this equipment by untrained personnel could result in injury to the operator or patient. Your Penner Patient Care distributor is available at your request to provide complete in-service training on the equipment's proper operation.**

Prior to the bath, perform the following preparation steps.

If the seat belt in the tub is used. Check that the seat belt is in place and ready to strap in the resident after they are in the tub. (The belt should be run through the seat belt brackets at the rear of the seat area. The belt can be run through the brackets in either direction. Use the safest Belting technique for the resident.)

## Operation Without Reservoir

- Place the drain plug, #12, in the drain.
- Press the Tub Fill on/off Button, #9 to begin filling the tub.



### WARNING

**In addition to monitoring the temperature readout #7, always check the water temperature by allowing it to run over your wrist. Failure to do this could result in a hot-water burn to the resident.**

- Monitor the water temperature by watching the Fill /Shower Water Temperature Readout #7. Adjust the water temperature by turning the Temperature Control Knob # 8 to a normal bathing temperature, (95 to 105 degrees Fahrenheit), or (36 to 38 degrees Celsius) .
- When filled, press the Tub Fill on/off Button, #9 again, to stop the water flow.

You are now ready to begin washing the resident. The suggested bathing time is 5 to 10 minutes. Bathing a patient more than 10 minutes is not required.

- (On Aqua-Aire tubs)** Start the air blower by pressing the Aqua-Aire ON/OFF button #4.
- Push the Bath Oil Dispensing Pump Plunger #11 to add Penner Bath Oil to the water. The amount of Penner Bath Oil out of #10 will vary according to the resident's skin condition.



### WARNING

**The following is instructions to rinse the resident with the shower sprayer #3. Before doing so each time, make sure the temperature is between (95 to 105 degrees Fahrenheit), or (36 to 38 degrees Celsius), by viewing the temperature readout #7. As a further precaution, always test the water on the inside of your wrist before turning the shower sprayer toward the resident. Failure to follow the precautions in this warning could result in a burn injury to the operator or the resident.**

- To Rinse, Press the Shower Button #2 to activate the Shower Sprayer.

**Note.** Once the shower sprayer is activated, it will stay activated for a period of time and then automatically shut off. This time period (up to 10 minutes) is adjustable by maintenance personnel only.

- While pointing the sprayer #3 into the tub, **not onto the resident**, press the Shower Trigger on #3, located on the sprayer.
- Adjust the water temperature by turning the Temperature Control Knob #8 to the normal bathing range of (95 to 105 degrees Fahrenheit), or (36 to 38 degrees Celsius) . Monitor the temperature by viewing the Fill/Shower Temperature Readout #7. As a further precaution, always test the water on the inside of your wrist before turning the sprayer toward the resident.

## System Cleaning (After Every Bath)

**Clean and disinfect the tub every morning and after every bath with Penner Cleaner/Disinfectant as follows:**

- Close and lock the door.
- Remove any visible tissue, residue, or fluids from the tub by pressing the Shower Button #3 and rinsing the inside tub surfaces with the shower sprayer.
- Press the Tub Fill Button #9 and turn the Temperature Control Knob #8 all the way to the left to its warmest level to heat the disinfectant solution and maximize its effectiveness.
- Press the Fill Button #9 again to turn off the water. Allow the tub to drain, and place the drain plug over the drain.
- On the Aqua-Aire Tubs, press and hold the Disinfect Button #14. As the button is held down, the properly mixed cleaning solution is running through the air injection system and out all of the air jets. Release the button after you see solution coming out of all the air jets and you have 1 to 1 1/2 gallons of disinfectant solution in the foot well of the tub.**



### WARNING

**Housekeeping personnel should wear protective glasses and gloves to prevent disinfectant from damaging their eyes or skin. If disinfectant gets on the skin or in the eyes, rinse thoroughly with plenty of water. Seek medical advice if irritation occurs.**

- With the solution that remains in the foot well of the tub, use the long-handled brush, available from your Penner distributor, to thoroughly scrub all interior surfaces of the tub, the Transfer System if used, and submerge the shower sprayer in the solution.. Also scrub around door seal area and temperature probe area. Let disinfectant stay on surface for 10 minutes. (Or, as recommended by the instructions on the disinfectant concentrate container.)**
- Remove the plug from the drain.
- Rinse the tub's interior surfaces thoroughly with the shower sprayer #3.
- Press and hold the Rinse Jets Button #13 located on the left side of the control panel until clear water runs from all the air jets. Then release the Rinse button.
- Finish rinsing the interior surfaces of the tub with the shower sprayer #3.
- Start the air blower by pushing the Aqua-Aire Button. Allow it to run for 30 seconds. This pushes the rinse water out of the air injection system. If this was the last bath of the day, allow the blower to run for 2 minutes to dry out the system. Open the door and clean the Door Seal areas with clean water.
- Stop the Aqua-Aire blower by again pushing the Aqua-Aire button.
- Visibly check that the tub was effectively cleaned during the disinfecting procedure. If not, repeat the procedure.
- If there is a delay of one or more hours before the next bath, we recommend using a towel to wipe off all excess water. This will keep your Cascade tub looking great for years to come.

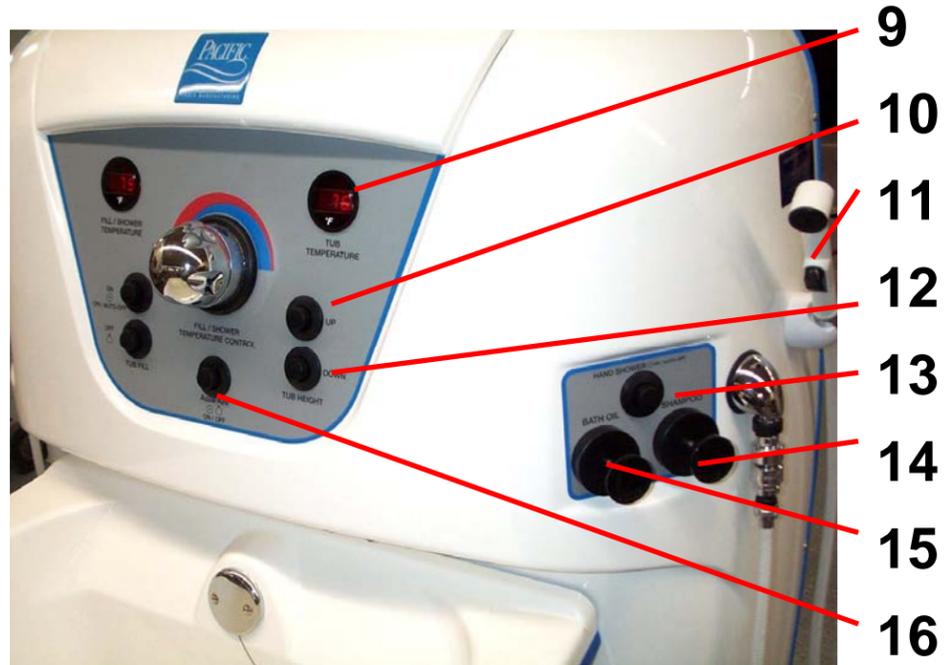
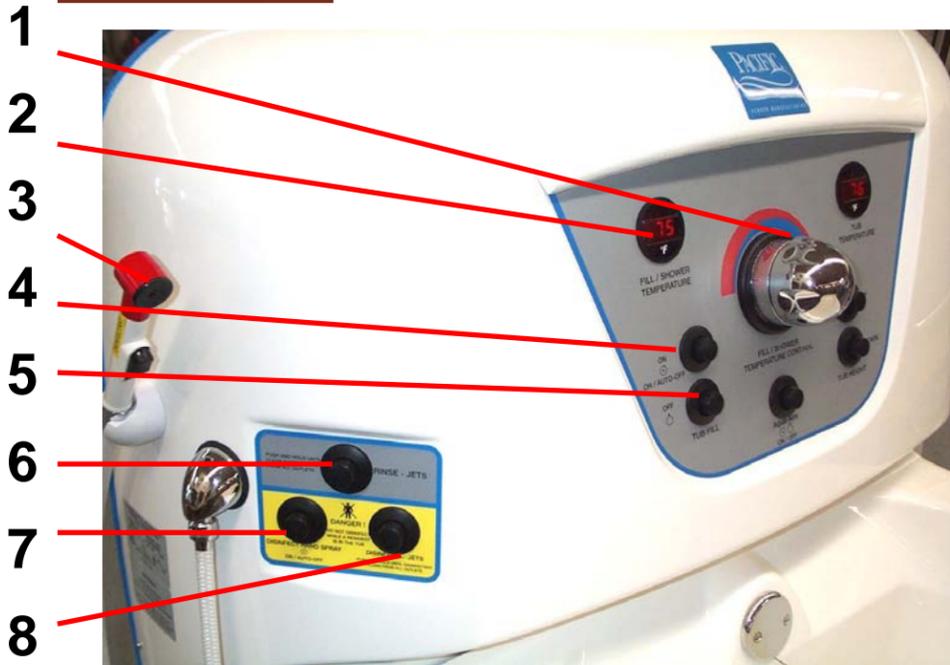
## Daily Maintenance

To properly maintain the Cascade Sit Bath System, perform the following daily maintenance procedures.

- Check that there is an adequate supply of system liquids such as shampoo, bath oil, and disinfectant concentrate in the supply bottles located behind the small access door on the side of the tub. Replace the bottles before they are empty to avoid re-priming the system. Be sure each bottle label matches the label found on the hose to which the bottle is attached.
- Perform the Daily Safety Checklist described in the following section before using the system.

**Refer to the applicable Operating manual of the Patient Transfer Lift for appropriate transporting procedures.**

# PACIFIC AQUA-AIRE TUB OPERATION



## SYSTEM PREPARATION (BEFORE BATH)

### **⚠ WARNING**

Your Penner Manufacturing, Inc. (PMI) equipment is specifically designed to help improve the efficiency of your operations, maintain a safe environment, and provide years of service. Because this equipment requires a trained operator, and to assure that these benefits are realized, do not operate your PMI equipment until an authorized member of your staff has reviewed the operational procedures manual. Prior to the bath, perform the following preparation steps:

1. Press the tub height "DOWN" button # 12 and lower the Pacific Bath to its lowest position.
2. Place the drain plug in the drain.
3. Press the tub fill "ON" button # 4 to begin filling the tub.
4. Monitor the water temperature by watching the Fill/Shower Water-Temperature Readout #2. Adjust the water temperature by turning the Temperature Control Knob # 1 to a normal bathing temperature, (95 to 105 degrees Fahrenheit), or (36 to 38 degrees Celsius) .

### **⚠ WARNING**

In addition to monitoring the temperature readout, always check the water temperature by allowing it to run over your wrist. Failure to do this could result in a hot-water burn to the resident.

5. Fill the tub to approximately 5 inches below the overflow plate. This will normally result in the water rising to an appropriate level as the resident is lowered into the bath. Less water may be used pending evaluation of the candidate being bathed to achieve less submersion.

**Note:** The Pacific Bath System is a large capacity tub. Fill only to the level required to obtain the desired submersion determined by the type of resident you are bathing.

6. **(Still Bath Systems)** Will not have the controls related to any water action.
7. When filled, press the Fill Off Button #5 to stop the water flow. DO NOT start the water action until the resident is transferred into the tub.
8. Start the Aqua-Aire (Aqua-Aire tubs) by pressing the on/off Button #16.

Procedures applying to any water action do not apply to the ( Still Bath System).

9. Push the Bath Oil Pump Plunger #15 to add Penner's Bath Oil to the water. The amount of bath oil will vary according to the resident's skin condition. (One push of the Bath oil pump plunger will dispense approximately 1 oz of bath oil.)
10. You are now ready to bathe the resident.
  - a) Push the Shampoo Pump Plunger #14 and dispense (from shampoo dispensing spout) into your hand or into a washcloth. Then apply the Penner Shampoo & Body Wash directly to the resident's body.
11. Rinse the upper body with the shower sprayer as follows:
  - a) Pick up the hand-held shower sprayer #11 located on the right side of the control panel.
  - b) Ensure that the shower sprayer trigger is NOT engaged when you activate the shower sprayer. Press the Shower Button #13 to activate the shower sprayer.

**Note.** Once the shower sprayer is activated, it will stay activated for a period of time and then automatically shut off. This time period (up to 10 minutes) is adjustable by maintenance personnel only. The shower sprayer will shut off when releasing the trigger.

- c) Adjust the water temperature by turning the Temperature Control Knob #1 to the normal bathing range of (95 to 105 degrees Fahrenheit), or (36 to 38 degrees Celsius). Monitor the temperature by viewing the Fill/Shower Temperature Readout #2.

### **⚠ WARNING**

In addition to monitoring the temperature readout, always check the water temperature by allowing it to run over your wrist. Failure to do this could result in a hot-water burn to the resident.

## System Cleaning (After Every Bath)

Clean and disinfect the Pacific Tub and Stretcher/Transfer Lift every morning and after every bath with Penner Cleaner/Disinfectant as follows:

1. Drain the water from the tub.
2. Remove visible tissue residue or fluids before disinfection
3. Press the Shower Button and rinse the inside surfaces with the shower sprayer.
4. Close the drain.

### **⚠ WARNING**

Housekeeping personnel should wear protective glasses and gloves to prevent disinfectant from damaging their eyes or skin. If disinfectant gets on the skin or in the eyes, rinse thoroughly with plenty of water. Seek medical advice if irritation occurs.

5. **(For Aqua-Aire Tubs)** Press and hold the Disinfect Button #8 located on the left side of the tub. As the button is held down, the properly mixed cleaning solution is running through the air injection system and out all of the air jets. Release the button after you see solution coming out of all the air jets and you have 1 to 1 1/2 gallons of disinfectant solution in the foot well of the tub.
6. **(For all Systems and Still Bath)** With the solution that remains in the foot well of the tub, use the long-handled brush, available from your Penner distributor, to thoroughly scrub all interior surfaces of the tub, and submerge the shower sprayer in the solution. Let disinfectant stay on surface for 10 minutes. (Or, as recommended by the instructions on the disinfectant concentrate container.)
7. Push the "DISINFECT SPRAY BUTTON" #7. Using the disinfect hand sprayer #3 and spray the entire stretcher portion of the Stretcher/ Transfer Lift while positioned over the tub.
8. Using a long-handled brush (available from your Penner distributor) to thoroughly scrub all surfaces of the Stretcher/Transfer Lift with the solution from the hand sprayer #3.
9. Allow for proper disinfectant contact time (usually 10 minutes or as recommended by the disinfectant's manufacturer).
10. Remove the plug from the drain.
11. **(For Aqua-Aire tubs)** Spray water from the shower sprayer #11 to rinse out most of the disinfecting solution. Then press and hold the rinse button #6 until you see clear water (not soapy) coming out of the air jets. Release the rinse button.
12. Finish rinsing the interior surfaces of the Pacific Bath and all surfaces of the Stretcher/Transfer Lift with the shower sprayer #11.
13. Start the air blower by pushing the Aqua-Aire Button #16. Allow it to run for 30 seconds. This pushes the rinse water out of the air injection system. If this was the last bath of the day, allow the blower to run for 2 minutes to dry out the system.
14. Stop the air blower by again pushing the Aqua-Aire button #16.