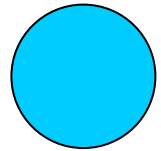




Operation Video



Aqua-Aire

Sit-Bath System 6900

Safe Operation & Daily Maintenance Instructions



#24 Cascade End Opening with Reservoir...Sand Granite

#21 Cascade with Reservoir...Bisque

PENNER PATIENT CARE, INC

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360750 Revision E- 02/04/08

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Table of Contents

TABLE OF CONTENTS	2
INTRODUCTION	3
SYMBOLS AND TERMS	3
TECHNICAL DESCRIPTION.....	3
BASIC COMPONENTS	5
CASCADE TUB	5
CASCADE DOOR	6
LOCKING CASCADE DOOR	6
UNLOCKING CASCADE DOOR	7
CASCADE RESERVOIR	7
SYSTEM PREPARATION (BEFORE BATH).....	8
TRANSFER INTO BATH – AMBULATORY RESIDENT	9
BELTING TECHNIQUE	9
TRANSFER INTO BATH USING SIT-TO-STAND LIFT	10
TRANSFERRING WITH PENNER PATIENT TRANSFERS.....	10
BATHING PROCEDURE WITHOUT RESERVOIR	11
USING CASCADE WITH RESERVOIR.....	11
BATHING PROCEDURE.....	13
TRANSFER OUT OF BATH	16
SYSTEM CLEANING (AFTER EVERY BATH).....	17
DAILY MAINTENANCE	19
DAILY SAFETY CHECKLIST	20
CASCADE TUB	20
CASCADE RESERVOIR	21

Introduction

The Cascade Sit-Bath System 6900 is designed to significantly improve the efficiency and environmental safety of your nursing care operation. However, the benefits designed into the Sit-Bath System will be realized only if the system is operated and cared for properly. The purpose of this manual is to provide you with a recommended procedure to help you obtain the maximum efficiency and safety from your Sit-Bath System.

Symbols and Terms

WARNING

The warning symbol identifies important safety messages. Failure to obey a safety warning may result in injury to you or to others.

CAUTION

The caution heading identifies important maintenance and operation information. Failure to obey a caution warning may result in damage to the Sit-Bath equipment and may void the warranty.

Left or Right

When the terms “left” or “right” are used with reference to the tub, this means left or right as you look at the control panel from the seat end of the tub

Technical Description

The Cascade Bath is an “Aqua-Aire” bathing system intended for use in nursing homes, hospitals, and assisted living facilities to bath residents under the direct supervision of trained staff. There is an optional reservoir system that allows the tub to be filled quickly. Both items are mainly constructed of gel-coated fiberglass laminate on a steel frame. The tub has an Aqua-Aire system for bubbling the water with air. It has a dispensing system to dispense shampoo/body wash and bath oil, and a disinfecting system to aid in cleaning the tub. The tub has a locking door on one side for access to the tub by the resident. A thermostatic mixing valve controls incoming water temperature. Digital temperature read-outs indicate all incoming and tub water temperatures. A hand shower sprayer is also provided.

Manufacturer: Penner Manufacturing Inc
102 Grant St / PO Box 503
Aurora, NE 68818
(402) 694-5003

Models: Cascade - 6900 Sit Bath

Model 360010-1 (Aqua-Aire - Low seat - White)	Model 361910-1 (Aqua-Aire - High seat - White)
Model 360010-1L (Aqua-Aire - Low seat - White)	Model 361910-X (Aqua-Aire - High seat - Color)
Model 360010-1W (Aqua-Aire - Low Bariatric - White)	Model 362010-1 (Aqua-Aire –End Open - White)
Model 360010-XW (Aqua-Aire - Low Bariatric - Color)	Model 362010-1L (Aqua-Aire –End Open - White)
Model 360010-X (Aqua-Aire - Low seat - Color)	Model 362010-X (Aqua-Aire – End Open - Color)
Model 360010-XL (Aqua-Aire - Low seat - Color)	Model 362010-XL (Aqua-Aire – End Open - Color)

Models: Cascade Reservoir

Model 370000-1W (White Wide Right Hand)	Model 370000-1WL (White Wide Left Hand)
Model 370000-XW (Color Wide Right Hand)	Model 370000-XWL (Color Wide Left Hand)

Aqua-Aire Ratings:	120 Volts AC	Reservoir Ratings:	120 Volts AC
	7.25 Amps (includes reservoir's .75 amps)		60 Hz
	60 Hz		1 Phase
	1 Phase		

UL Classification: Class I; Type B; Ordinary EQUIPMENT

Equipment not suitable for use in the presence of a flammable anesthetic mixture with air or with oxygen or nitrous oxide.



MEDICAL EQUIPMENT
WITH RESPECT TO ELECTRIC SHOCK
FIRE AND MECHANICAL HAZARDS ONLY
IN ACCORDANCE WITH UL2601-1, AND
CAN/CSA C22.2 NO. 601.1

All temperature read-out values are accurate to +/- 2°F (per NSF C-2). The read-out range is -40/199°F. The resolution is 1°.

An electrical circuit diagram can be found on the inside of the lid of the electrical box located inside the larger service access door on the left side of the tub.

Service parts and technical information are available by contacting your distributor or by calling one of the telephone numbers located on the front or back cover of this manual.

Environmental conditions for transport and storage for up to 15 weeks (as packaged from the manufacturer) are as follows:

Temperature range	-40° F (-40° C) to 120° F (49° C)
Relative Humidity	10% to 90%
Atmospheric Pressure	7.5 PSI to 15.5 PSI

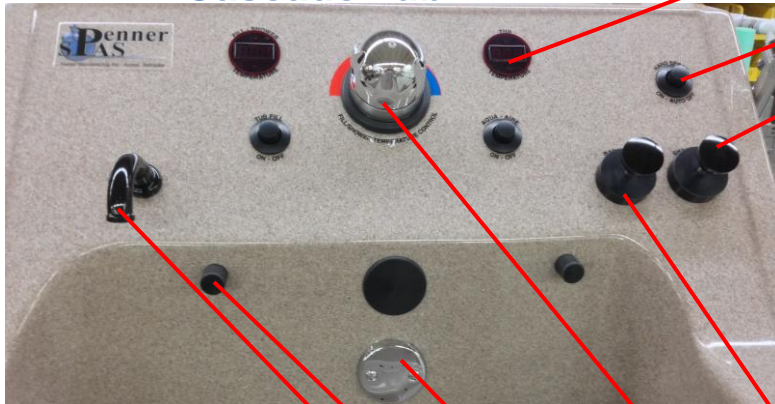
Basic Components

The Cascade Sit-Bath System 6900 is composed of the following components:

- Cascade Tub
- Cascade Door
- Cascade Reservoir

The remainder of this section describes the components and their relationship to each other.

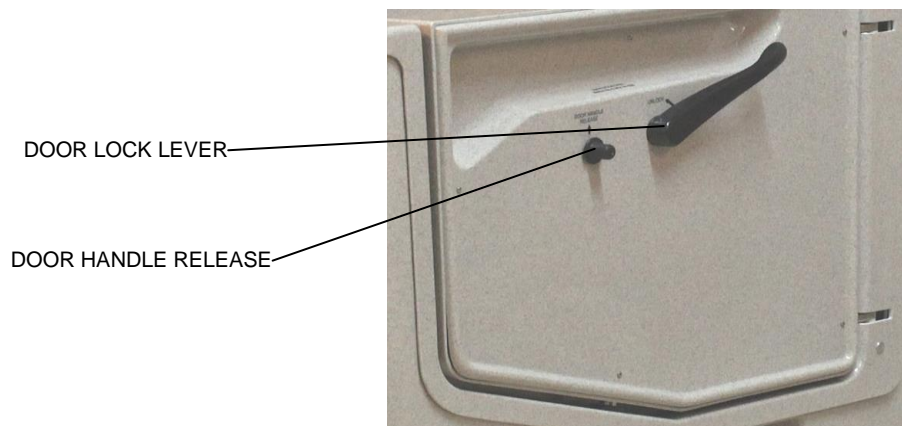
Cascade Tub



- 350535M-SER – Thermometer (two each)
- 350495 - Air Transmitter – Black Five Each
- 350200 - Dispenser Complete
- 350201- "O" Ring For Disp. (Included In 350200)
- 350204 - Spring-Dispenser Pump Replacement (Included In 350200)
- 350210 - Nut, Pump Mount (White) (Included In 350200)
- 350215 - Cap, Dispenser Pump (Included In 350200)
- 350151 – Replacement Cartridge-(Not shown)
- 350172 – Escutcheon, Chrome
- 350220 - Dispenser Spout - Oil & Soap (two)
- 360340 - Spigot – Black
- Tub Identification Markings And Ratings

Cascade Door

The Cascade Door is a specially designed reinforced door with locking lever to open and close the door.



Locking Cascade Door

1. With lever in the upright position, close the door tight against the tub.
2. 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)
3. The door is now locked in place.
4. (Note) To extend the life of the Water Door Seal, leave the door open when not in use.

Unlocking Cascade Door

⚠ 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.

To unlock, first pull up on the door handle release and hold it.

1. Then move the lever to the “unlock” position.
2. The door is now unlocked and able to be opened.

Cascade Reservoir

The 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.

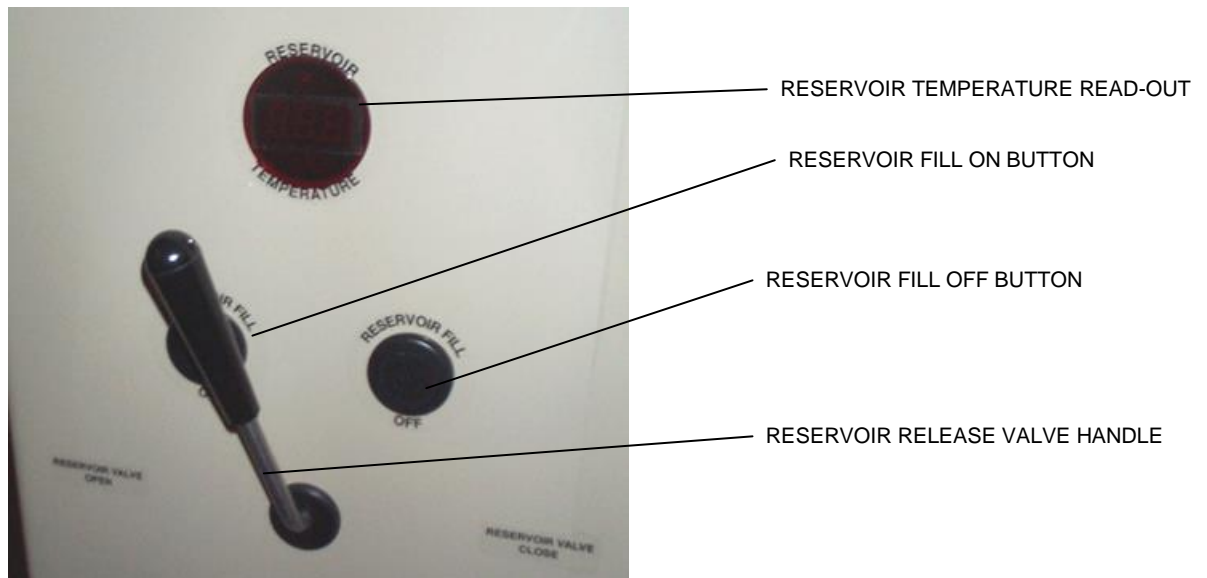


Figure 3

System 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.

1. Make sure you have all of your bathing aids ready such as a washcloth and towels.
2. 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.) See Belting Technique on page (9).

Note. Check the level of Penner Bath Oil, Penner Shampoo, and Penner Disinfectant concentrate in the supply bottles daily to ensure that adequate amounts are available for the day's bathing requirements. These bottles are located behind the small access door on the left side of the tub. Replace a bottle before it runs out to avoid re-priming the system.

Transfer into Bath – Ambulatory Resident

You are now ready to transfer the resident into the bath. To do so:

1. Make sure bathing area is clear of all unneeded equipment.
2. Open door to widest position.
3. Help transfer the resident into the bath by using acceptable nursing techniques. **Resident should sit on seat first then swing his/her legs into the bath.**



WARNING

WHEN USING THE TRANSFER, DO NOT LIFT THE PATIENT INTO THE TUB BY GOING OVER THE TOP OF THE TUB. GOING OVER THE TOP OF THE TUB WITH THE PATIENT TRANSFER MAY RESULT IN INJURY TO A RESIDENT OR OPERATOR.



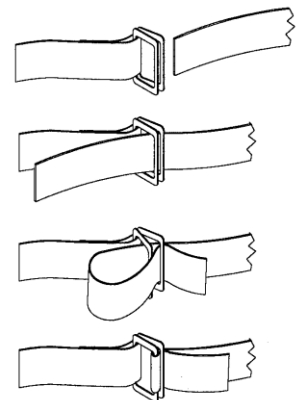
WARNING

STEPPING INTO THE TUB FIRST AND THEN SITTING ON THE SEAT MAY PUT THE RESIDENT IN DANGER OF SLIPPING AND CAUSE HARM TO THE RESIDENT AND/OR STAFF.

Belting Technique

Transfer Procedure with the Penner Transfer System

1. Attach seat belt around the resident using the D-rings on the seat belt.
2. Route the belt through the belt loops inside tub prior to placing the resident into the tub.
4. Connect the belt to the D-ring as shown at the right.
5. Close the door and lock. Ensure that the belt does not get caught in the door the door when it is closed.



CAUTION

Failure to keep the belt from getting pinched in the door can result in damage to the tub seal.

6. The tub is now sealed and you are ready to fill the tub with water.

Transfer into Bath Using Sit-to-Stand Lift

1. Make sure the bathing area is clear of all unneeded equipment.
2. Open door to widest position.
3. The Cascade was designed with an opening under the tub to allow the use of sit-to-stand lifts.
4. Using your sit-to-stand lift according to manufacturers instructions, transfer the resident onto the Cascade Seat.
5. Remove the sit-to-stand lift.
6. Swing resident's legs into tub.
7. Attach seat belt around the resident using the D-rings on the seat belt.
8. Close and lock the door. Ensure that the belt does not get caught in the door the door when it is closed.

CAUTION

FAILURE TO KEEP THE BELT FROM GETTING PINCHED IN THE DOOR CAN RESULT IN DAMAGE TO THE TUB SEAL.

9. The tub is now sealed and you are ready to fill the tub with water.

Transferring with Penner Patient Transfers.

1. Refer to the appropriate Transfer Safe operation & Maintenance Manual.

Bathing Procedure Without Reservoir

1. Place the drain plug in the drain.
2. Press the Tub Fill Button to begin filling the tub. (Reference Figure 1).
3. Monitor the water temperature by watching the Fill /Shower Water Temperature Readout.(Reference Figure 1) Adjust the water temperature by turning the Temperature Control Knob to a normal bathing temperature, 95 to 105 degrees Fahrenheit.



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.

4. When filled, press the Fill Button (reference Figure 1) again to stop the water flow.

Using Cascade with Reservoir

Reference Figure 3 for locations of the controls listed in this section.

1. Press the reservoir fill ON button to begin filling the reservoir.
2. Monitor the reservoir water temperature by watching the temperature readout located on the reservoir. To adjust the temperature of water flowing into the reservoir, turn the mixing valve handle (reference figure 1) to a normal bathing temperature, 95-105 degrees Fahrenheit as shown on the fill/shower temperature read-out (reference figure 1).
3. The reservoir can hold up to 48 gallons of water and can be stopped at anytime during the filling process if you desire. To stop the filling of the reservoir, simply push the reservoir fill OFF button located on the reservoir.

4. If you do not stop the filling of the reservoir by using the reservoir fill OFF button, the filling of the reservoir will stop filling AUTOMATICALLY once it is full.
5. The reservoir is now full and the water ready to be checked for safety. To make **sure** the temperature of the water in the reservoir is suitable for bathing, first close and lock the tub door, then open the reservoir release valve slightly to release some water from the reservoir and manually check the water temperature by letting the water run over you wrist. Close the reservoir release valve if the temperature is suitable and continue on getting prepared for you resident. If water is too hot or too cold, open the reservoir release valve and let the water run out of the reservoir into the empty tub and start over at step number one, above.



WARNING

FAILURE TO MANUALLY CHECK THE WATER TEMPERATURE BEFORE PUTTING A RESIDENT IN THE TUB MAY RESULT IN BURN INJURIES TO THE RESIDENT AND/OR OPERATOR.

6. Unlock and open the door.
7. Once all of the above steps have been followed and the water in the reservoir is suitable for bathing, you are ready to transfer the resident into the tub, release the water from the reservoir, and give a bath. Refer to pages 8-10 on proper transfers into Cascade.
8. Place drain plug in the drain.
9. Once the resident is transferred into the Cascade and secured with the safety belt, close and lock the door. You may now release the water from the reservoir.
10. Open the reservoir release valve on the reservoir to release the water, checking again for the second time with your wrist to make sure the water is not too hot or not too cold. If the temperature is suitable for bathing (95 to 105 degrees Fahrenheit) continue to let the reservoir empty. If the temperature is not correct after double- checking, remove the resident from the Cascade and empty the reservoir into the vacant tub. Fill reservoir again with the correct temperature of water. Repeat steps 7 and 8.

A unique feature of the Cascade is that you are able to fill the tub with the water from the reservoir and fill with the spigot at the same time. This cuts down your filling time and limits the time your resident sits in the tub unclothed.

11. After transferring your resident into the Cascade, close and locked the door, and put the drain plug in the drain, open the reservoir release valve.
12. Once the reservoir release valve has been opened, push the Tub Fill button located on the Cascade Control Panel and adjust the water temperature by turning the Temperature Control knob to normal bathing temperature, 95 to 105 degrees Fahrenheit.
13. When desired level of water is achieved push Tub Fill button again to shut water off coming from the spigot.

Bathing Procedure

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.

To bathe the resident, use the following procedures:

(Reference Figure 1 for the location of the controls listed in this section)

1. Start the air blower by pressing the Aqua-Aire ON/OFF button.
2. Push the Bath Oil Dispensing Pump Plunger to add Penner Bath Oil to the water. The amount of Penner Bath Oil will vary according to the resident's skin condition.

Note. Penner Bath Oil is a non-aqueous, liquid bathing oil containing refined lanolin similar to natural skin oil. When combined with water, Penner Bath Oil can penetrate the skin. This combination of water and oil restores moisture to the patient's skin and benefits the nursing attendant, whose hands are frequently in water. Additionally, the use of Penner Shampoo & Body Wash eliminates the risk of cross-contamination, which can result from sharing a single bar of soap.

 WARNING

IN THE FOLLOWING BATHING INSTRUCTIONS YOU ARE REQUIRED TO RINSE THE RESIDENT WITH THE SHOWER SPRAYER. BEFORE DOING SO EACH TIME, MAKE SURE THE TEMPERATURE IS BETWEEN 95 AND 105 DEGREES FAHRENHEIT BY VIEWING THE TEMPERATURE READOUT. 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.

3. Bathe the resident's upper body as follows:
 - a. Position one hand or hand with washcloth under the Shampoo dispensing spout and push the Shampoo Dispensing Pump Plunger to dispense Penner Body Wash and Shampoo. Apply it directly to the resident's body.
 - b. Begin gently washing the resident's upper body. Pay special attention to folds or creases in the skin and under the arms. If the scalp is flaky, apply a small amount of Penner Bath Oil to the problem area and let it soak in until time for shampoo.
4. Rinse the upper body with the shower sprayer as follows.
 - a. Pick up the Hand-Held Shower Sprayer located off to the side of the control panel.
 - b. Press the Shower Button 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.

- c) While pointing the sprayer into the tub, **not onto the resident**, press the Shower Trigger, located on the sprayer.
- d) Adjust the water temperature by turning the Temperature Control Knob to the normal bathing range of 95 to 105 degrees

Fahrenheit as shown below. Monitor the temperature by viewing the Fill/Shower Temperature Readout. As a further precaution, always test the water on the inside of your wrist before turning the sprayer toward the resident.

- e) Repeat the washing and rinsing steps for the upper body a second time.

5. Bathe the resident's perineal area as follows:

- a) Lift the resident's right leg and let the Aqua-Aire bubbling action wash the perineal area. This technique protects the resident's dignity and removes any residual waste or fecal matter.
- a) The Aqua-Aire bubbling action, at the bottom of the tub, will clean the resident's feet.

6. To shampoo the resident's hair, use the following procedure:

- a) Wet the resident's hair with the shower sprayer.
- b) Push the Shampoo Pump Plunger and apply a small amount of Penner Body Wash and Shampoo to the wet hair.

Note. Penner Body Wash and Shampoo is a special formula with lanolin for use with residents who have dry scalp and/or skin conditions. Penner Body Wash and Shampoo's special conditioning formula assures that all residues will be removed quickly and easily, leaving hair clean, conditioned, and shining..

- c) Massage the resident's head to create lather. Continue the massage to fully clean the hair and scalp.
- d) Rinse with the shower sprayer.
- e) Shampoo and rinse a second time if required.

Transfer Out Of Bath

After the bath has been given, you are now ready to transfer the resident out of the tub.

1. **Drain the tub** by pulling the drain plug from the drain. Allow the tub to be drained completely.



WARNING

FAILURE TO HAVE THE TUB COMPLETELY DRAINED BEFORE UNLOCKING THE DOOR COULD CAUSE INJURY TO THE OPERATOR AND RESIDENT.

2. Unlock door by pulling up on the door handle release and pulling up on the lever at the same time.
3. Open door to widest position.
4. Dry off resident.
5. Swing residents legs around and place on the floor.
6. If transferring manually, use proper nursing techniques to transfer to a wheelchair or other chair to finish hair, nail, shaving, etc.
7. If using a sit-to-stand lift or total lift, follow the manufacturers instructions on the use of that particular lift.
8. After finishing your post bath routine, take the resident out of the bathing room.
9. You are now ready to disinfect the Cascade tub.

System Cleaning (After Every Bath)

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

Note. Penner Cleaner/Disinfectant is a special non-abrasive cleaning and disinfecting solution that will not harm the tub's fiberglass surface. Penner Cleaner/Disinfectant is the only cleaning solution designed and recommended for use with your Cascade Tub.

CAUTION

SOME CLEANERS, DISINFECTANTS, AND FLOOR STRIPPERS CONTAIN INGREDIENTS THAT ARE CORROSIVE OR ABRASIVE. THESE SOLUTIONS OR COMPOUNDS MAY CONTAIN CHLORINE, ACID, BASIC INGREDIENTS OR ABRASIVES. **DO NOT** ALLOW SUCH SOLUTIONS OR COMPOUNDS TO COME IN CONTACT WITH YOUR PENNER EQUIPMENT. FAILURE TO HEED THIS CAUTION COULD RESULT IN DAMAGE TO THE EQUIPMENT AND VOID THE WARRANTY.

1. Close and lock the door.
2. Press the Tub Fill Button and turn the Temperature Control Knob all the way to the left to its warmest level to heat the disinfectant solution and maximize its effectiveness.
3. Remove any visible tissue, residue, or fluids from the tub by pressing the Shower Button and rinsing the inside tub surfaces with the shower sprayer.
4. Press the Fill Button again to turn off the water. Allow the tub to drain, and place the drain plug over the drain.
5. On the Aqua-Aire Tubs, press and hold the Disinfect Button 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.



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.

6. Using the long-handled brush, available from your Penner distributor, thoroughly scrub all interior surfaces of the tub with the solution that remains in the foot well of the tub. Let disinfectant stay on surface for 10 minutes. (Or, as recommended by the instructions on the disinfectant concentrate container.)
7. Remove the plug from the drain.
8. Rinse the tub's interior surfaces thoroughly with the shower sprayer.
9. Press and hold the Rinse button located on the left side of the control panel until clear water runs from all the air jets. Then release the Rinse button.
10. Finish rinsing the interior surfaces of the tub with the shower sprayer.
11. 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.
12. Stop the Aqua-Aire blower by again pushing the Aqua-Aire button.
13. Visibly check that the tub and the reservoir (if applicable) was effectively cleaned during the disinfecting procedure. If not, repeat the procedure.
14. 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.

Reservoir Cleaning

The lid of the reservoir (if applicable) can be removed to allow access for cleaning and disinfecting when necessary.

Daily Maintenance

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

1. 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 left 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.

WARNING

WHILE REPLACING SYSTEM LIQUIDS, HOUSEKEEPING PERSONNEL SHOULD WEAR PROTECTIVE GLASSES AND GLOVES TO PREVENT DISINFECTANT CONCENTRATE 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.

2. Perform the Daily Safety Checklist described in the following section before using the system.



WARNING

FAILURE TO PERFORM THE DAILY SAFETY CHECKS AND TAKE CORRECTIVE ACTION, WHEN REQUIRED, PRIOR TO THE OPERATION OF THE EQUIPMENT EACH DAY COULD RESULT IN INJURY TO THE RESIDENT OR OPERATOR.



WARNING

IF ANY PART OF THE SYSTEM IS NOT FUNCTIONING PROPERLY, CEASE ALL BATHING ACTIVITIES UNTIL THE PROBLEM IS CORRECTED BY MAINTENANCE. THE SYSTEM MUST BE MAINTAINED ON A SCHEDULED BASIS TO ENSURE IT IS FUNCTIONING PROPERLY. FAILURE TO HEED THESE PRECAUTIONS COULD RESULT IN INJURY TO THE OPERATOR OR RESIDENT.

Daily Safety Checklist

CHECK THE FOLLOWING ITEMS EACH DAY BEFORE USING YOUR CASCADE SIT-BATH SYSTEM 6900.

Cascade Tub

Perform the following safety checks for the Cascade Tub:

1. High temperature limit – Press the Fill Button and turn the Temperature Control Knob all the way to the left to the highest setting. Test the fill and shower water temperature to ensure that it reaches no more than 115 degrees Fahrenheit (lower if required by local regulations).
2. Seal Wear - Open the door and check to see that the seal is not cracked or peeling away from the door.
3. Self- Draining Trap - If water is draining regularly from the self-draining trap, the 1-1/2 check valve may need to be cleaned or replaced.

 WARNING

IF DURING THE SAFETY CHECKS YOU FIND PARTS ARE MISSING, ARE EXCESSIVELY WORN, DO NOT FUNCTION PROPERLY, OR DO NOT MEET THE RECOMMENDED SAFE OPERATING LEVELS, DO NOT OPERATE THE EQUIPMENT UNTIL THE MAINTENANCE DEPARTMENT HAS TAKEN THE APPROPRIATE CORRECTIVE ACTION.

Cascade Reservoir

1. Temperature Read-Out Accuracy - Close the reservoir release valve and partially fill the reservoir with 95 to 105 degrees Fahrenheit water. Open the reservoir release valve and test the temperature of the water with a thermometer and by letting the water flow over your wrist. The water temperature should be consistent with the thermometer reading and should not feel too hot or too cold.

Your Penner Distributor and his personnel are trained to provide in-service instruction and maintenance on your Cascade Aqua-Aire Spa. If you have any questions about the operation or maintenance of your Cascade Spa, please contact Penner Patient Care Inc.

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