

READ AND SAVE THESE INSTRUCTIONS

ALTAPURE®

HJ-30i Series Disinfection Machine User Guide





CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN COVERS

ATTENTION
RISQUE DE CHOC ÉLECTRIQUE
NE COUVRE PAS OUVRIR

Contact an authorized service technician for repair or maintenance of this unit. NEVER attempt to open the covers or perform repairs on any internal components. CALL YOUR SALES REPRESENTATIVE FOR HELP!

FOR YOUR RECORDS

Fill in the important items below for future reference:

Important Information	
Model #	
Serial #	
Service Representative Name	
Service Representative Phone Number	
Emergency Response Number	
Date of Release	

PLEASE READ AND UNDERSTAND THIS MANUAL COMPLETELY BEFORE OPERATING THE EQUIPMENT

This guide will provide you proper procedures to use and maintain your HJ-30i system. The Altapure HJ-30i is safe when used as directed. Care should be taken to follow all operating instructions.

If you have any questions after reading this manual, please contact your sales representative.


Table of Contents

Warnings	4
Specifications.....	5
Operating Instructions.....	6
Setting Default Operating Variables	14
Replenishing Altacare Concentrate.....	16
Draining the Fluids	22
Other Notes	25
Disposing of Altacare solution.....	26
Cleaning	26
Maintenance	27
Troubleshooting.....	27
Accessories	TBD
Warranty	TBD

WARNINGS

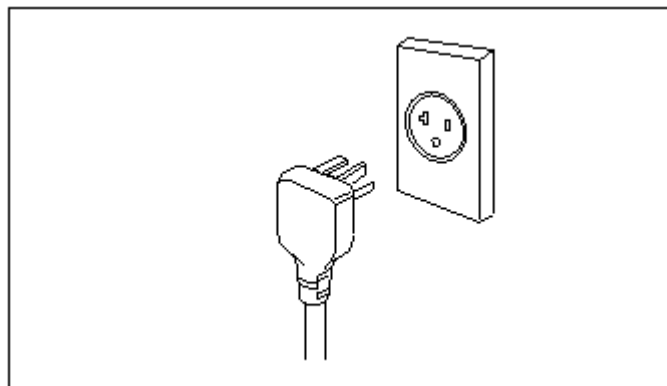
Read all instructions before using equipment.

- To prevent injury to the user or other people and property damage, the following instructions must be followed.
- Incorrect operation due to ignoring instructions may cause harm or damage.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT REMOVE COVERS	
CAUTION: RISK OF ELECTRIC SHOCK. DO NOT REMOVE COVERS. ATTENTION: RISQUE DE CHOC ÉLECTRIQUE. NE COUVRE PAS OUVRIR.		

⚠ WARNING: This system must be properly grounded.

The power cord of this system is equipped with a three-prong grounding plug. To minimize the risk of electric shock, use the plug only with a standard 20A three-slot grounding wall power outlet. If the power outlet does not match the plug completely, have a qualified electrician replace the outlet before you use the equipment. **DO NOT USE AN ADAPTER.**



⚠ WARNING: Do not cut or remove the grounding prong from the power plug.

⚠ WARNING: If you have any doubt whether the system is properly grounded, have the wall receptacle and circuit checked by a qualified electrician.

⚠ WARNING: Do not disassemble or modify any part of this machine.

⚠ WARNING: This system must be operated on a level surface. Avoid bumping or moving the machine while in operation.

⚠ WARNING: Do not block the air inlet or outlet.

⚠ WARNING: Close and seal all doors, windows and other outside openings to the room including ventilation ducts.

⚠ WARNING: Do not operate if room temperature is below **60°F (15.5°C)** or above **100°F (37.8 °C)**.

⚠ WARNING: Make sure that the drain valve is closed before filling machine.

⚠ WARNING: When empty, fill machine after powering up to properly reset the fluid life timer.

⚠ WARNING: Do not operate with wet hands or in a damp environment.

⚠ WARNING: Make sure the system is set correctly for the area you want to disinfect.

⚠ WARNING: Use a soft cloth to clean. Do not use wax, thinner, or a strong detergent.

SPECIFICATIONS

AC Supply: 120V 16A 60Hz



Use only the power cord supplied with the equipment. Connect only to a dedicated 20A branch circuit outlet. Failure to do this will result in nuisance tripping of the circuit breaker and may result in a risk of fire or other damage to the electrical system.

PRIOR TO OPERATION

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1. Plug in the power cord properly.
2. Use a dedicated circuit.
3. Do not use an extension cord.
4. Do not start/stop operation by plugging/unplugging the power cord.
5. Plug the dehumidifier into the outlet on the machine using the cord provided.

USAGE

1. Do not expose occupants, pets, or plants to direct contact with the disinfecting solution in either liquid or aerosol form.
2. Do not ventilate room when the system is being used.
3. Do not use this system for any purposes other than those specified by Altapure or the sales representative. Such usage could damage the system or other items.

CLEANING AND MAINTENANCE

1. When cleaning the unit, make sure that the power switch is turned off and **UNPLUG THE POWER CORD FROM THE WALL OUTLET**.
2. Wipe down the outside of the machine with a soft damp cloth.
3. Any further maintenance or service must be performed by an authorized service technician only.

SERVICE

Note: The HJ-30i contains expensive, proprietary, and delicate electronics.

Do not attempt any repairs under any circumstances.

In case of any problem, contact your authorized service agent. Failure to do so may result in bodily injury and economic loss beyond the value of the machine.

OPERATING INSTRUCTIONS

ROOM PREPARATION

Prior to disinfection

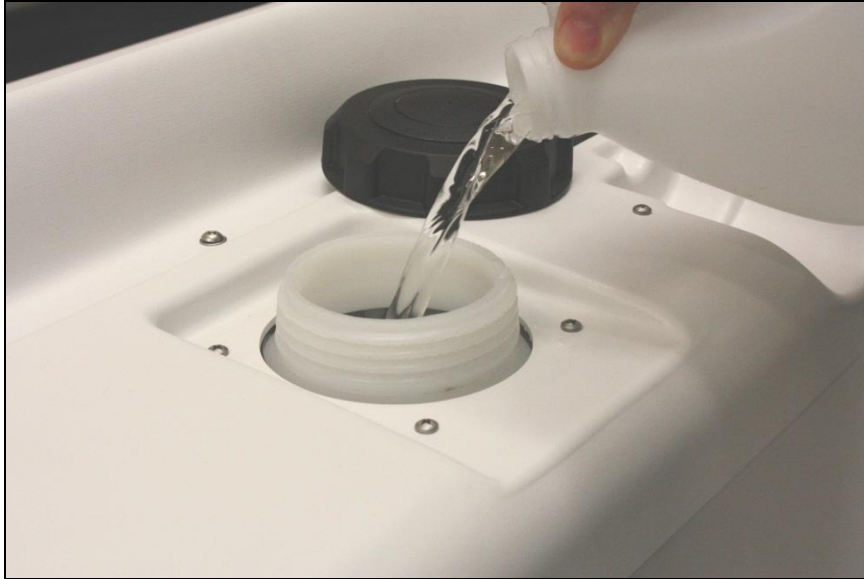
1. Perform normal janitorial room cleaning.
2. Remove bedding from room.
3. Ensure all sterile packaged items are in air tight containers or have been removed from room.
4. Seal all vents using correct room sealing apparatus.
5. Place system in center of room. Allow at least 18 inches of space on all sides of the unit for good air circulation. Locate your system as close to the center of the room as possible. Ensure the air-intake of the machine is clear of obstructions and the machine exhaust port is not blocked.
6. Place air reprocessor in room. Allow 18 inches of space in front of air reprocessor vents.
7. Place warning sign outside room.

Room is now ready to be disinfected.

MACHINE OPERATION

To disinfect room after room preparation has been performed;

1. Make sure enough water is in the tank for the room you are cleaning. To add water, remove the black cap and fill the HJ-30i main tank with 1 to 5 gallons of reverse osmosis (RO) and/or deionized (DI) water. Add 1 mL of Altacare concentrate per gallon of water to assure freshness. Make sure to add some water after the concentrate is added to rinse it down the filler tube. **Do not use tap water or filtered drinking water.** Replace the cap.



2. Plug the HJ-30i into a **20A** 120VAC/60Hz outlet. NOTE: The 20A plug on the HJ-30i has one horizontal “blade” and one vertical “blade”.



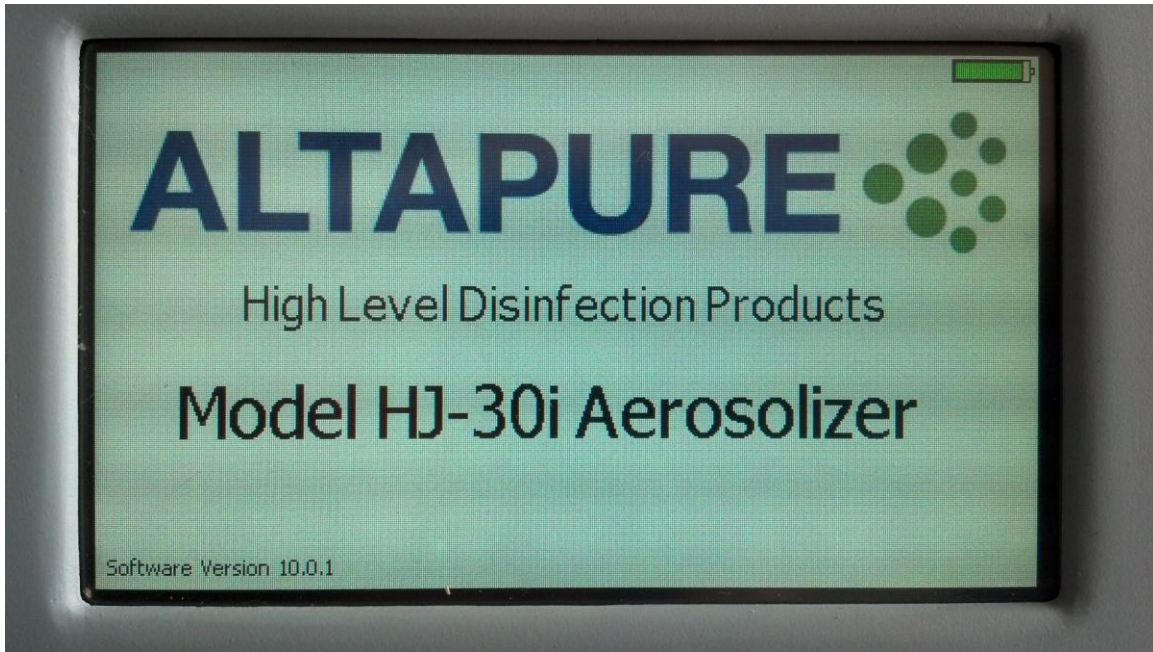
3. Power up the HJ-30i by switching the breaker switch to “ON” (the orange indicator should glow), and pulling out on the Emergency Stop/Power Switch (the red center of the button should glow). Note that only the Power Switch need be pressed in to power down the machine, the other switch can be left in the “ON” state.



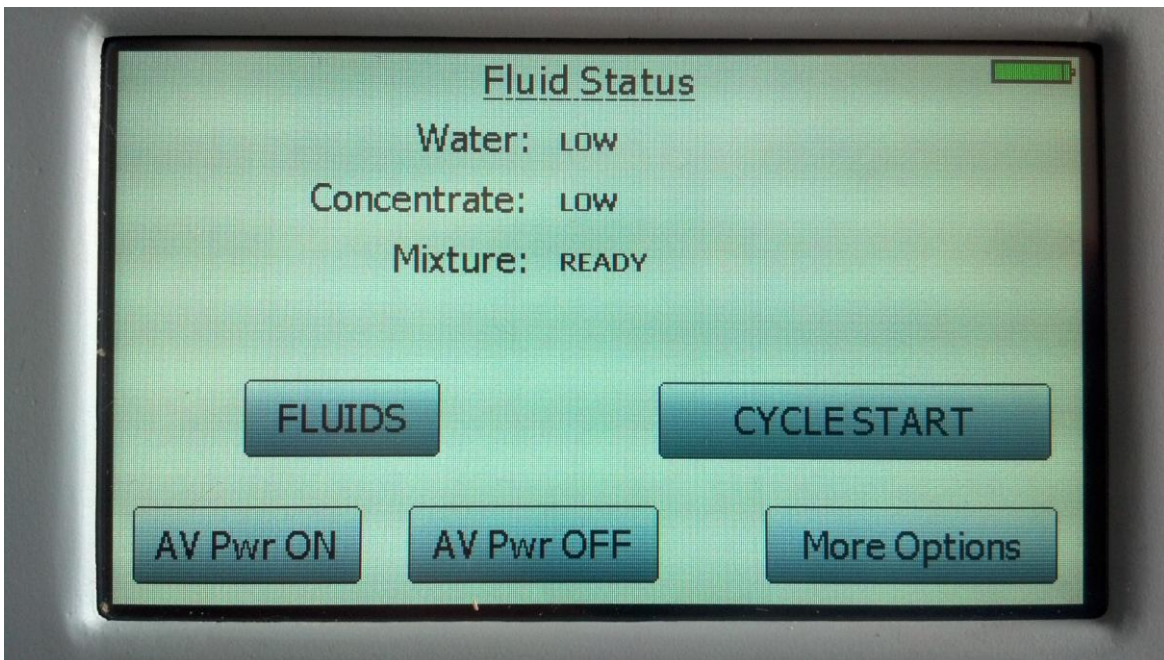
4. Turn the remote control on by pressing the power switch on the top of the remote.



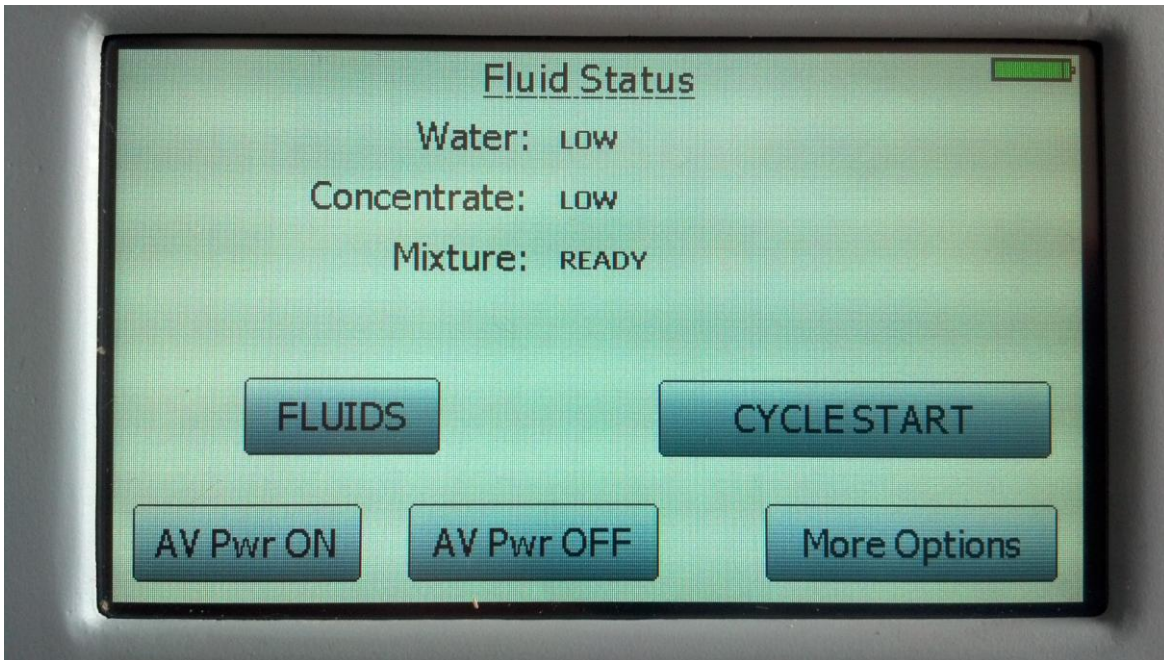
5. Upon power up, the display will show a welcome screen with the company logo. In the upper-right corner of the display is a battery status indicator. This indicator shows the state of the internal rechargeable batteries. When the indicator gets low or starts blinking, charge the batteries by hanging the remote on the machine under the handle, or connect it to the wall charger.



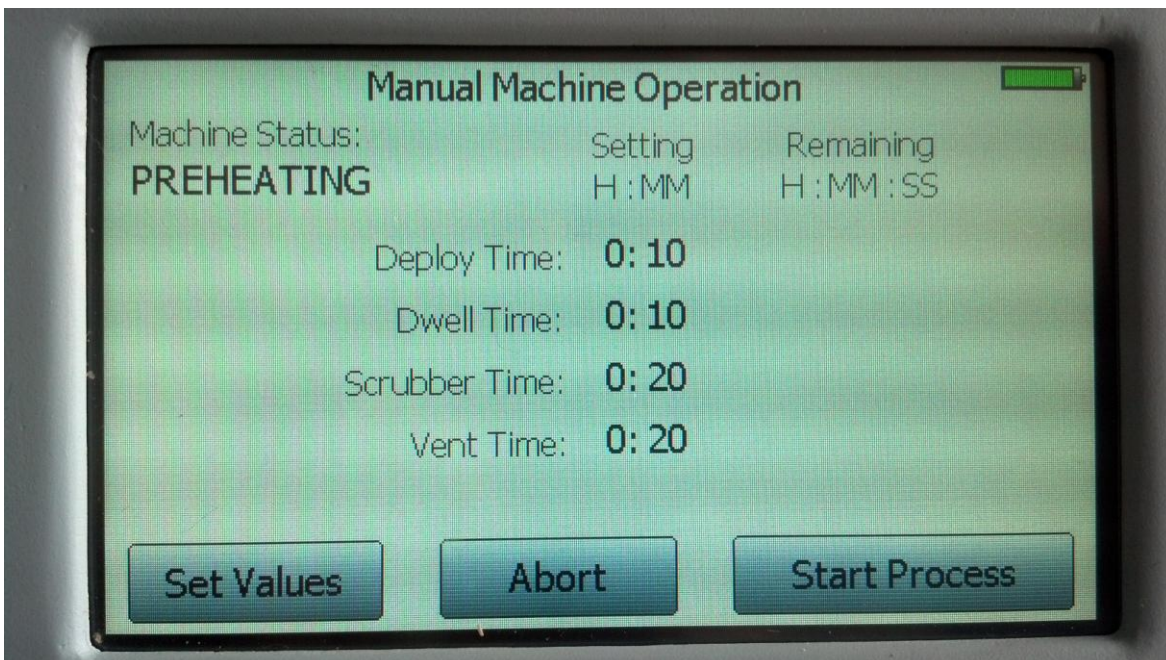
6. After a few seconds, the display will show the present status of the water, concentrate, and mixture. If the mixture is expired, please see the Draining Fluids section below.



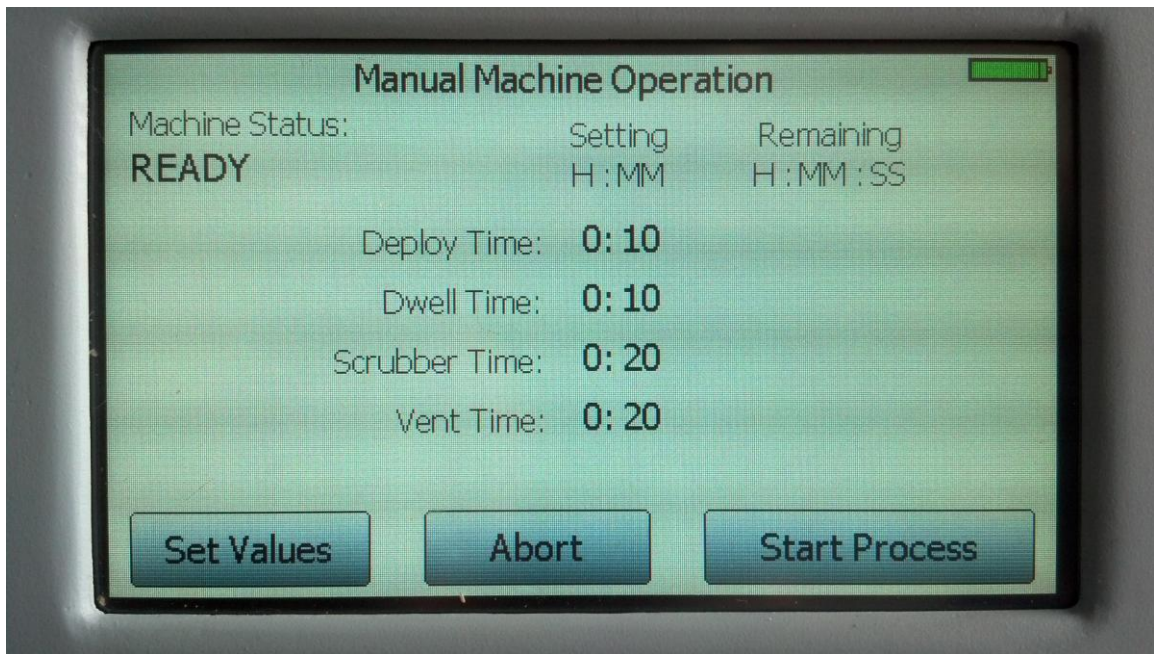
7. Press the “CYCLE START” button to proceed.



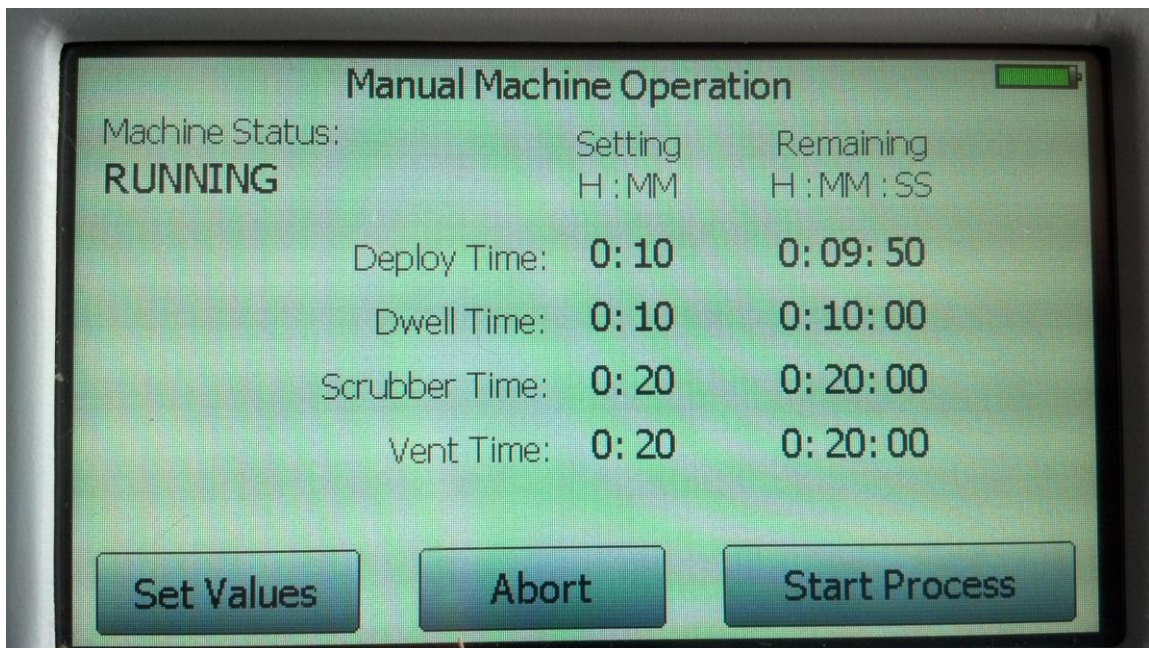
8. The display will show the present machine status. After the first few brief messages, the display will show the mix tank and aerosolization modules filling and then preheating.



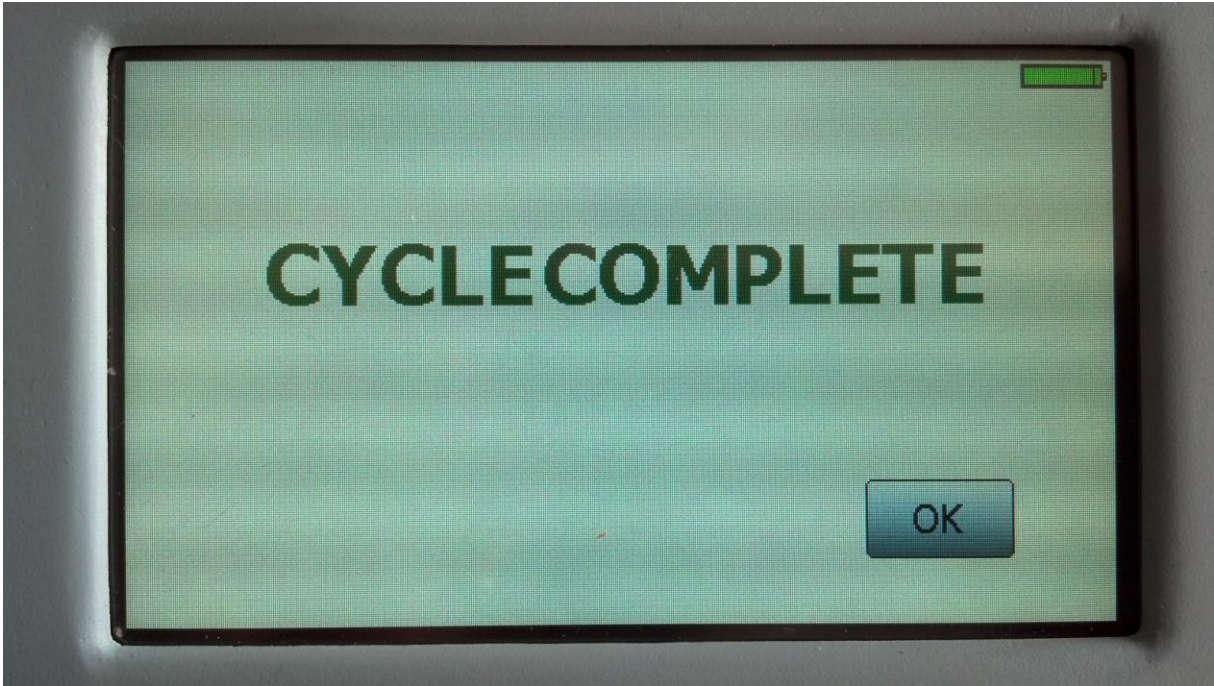
9. After 6 to 7 minutes, the machine will display "READY". The time settings for each portion of the cycle will default to the values used on the previous cycle. If these are not the desired settings for the cycle you are about to start, reset them according to the SETTING DEFAULT OPERATING VARIABLES section below.



10. Press the "Start Process" button. Each step will countdown as it is completed starting with Deploy, then Dwell, then Reprocess, then Venting.

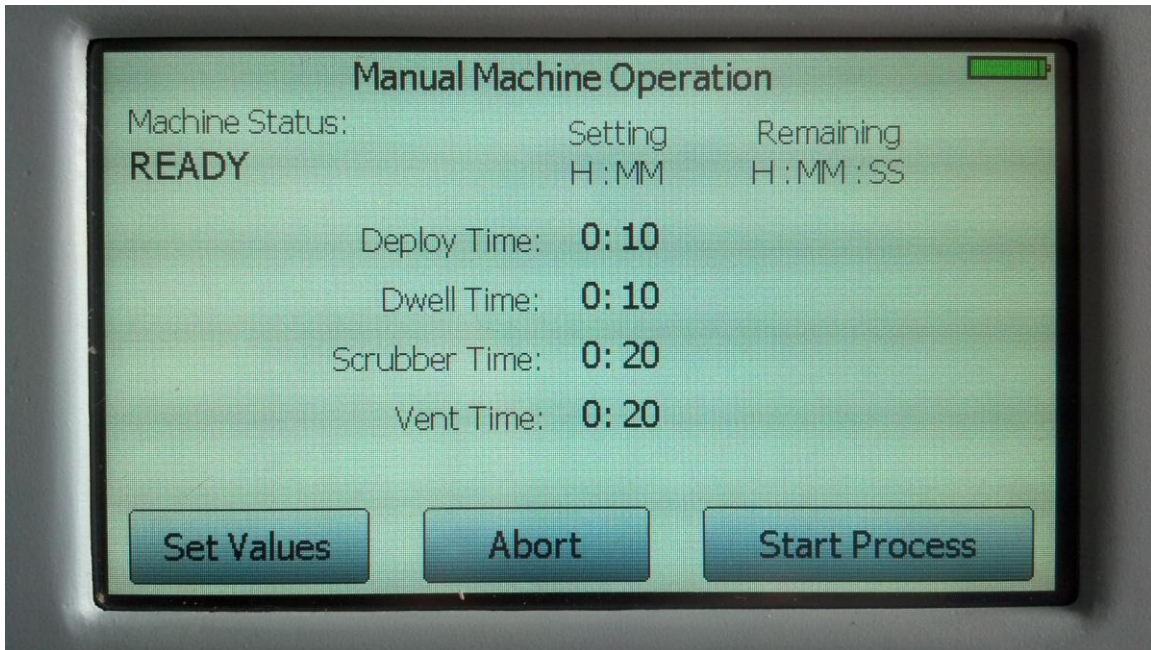


11. When the cycle is complete the system display the CYCLE COMPLETE message. Pressing the "OK" button will return to the main screen.

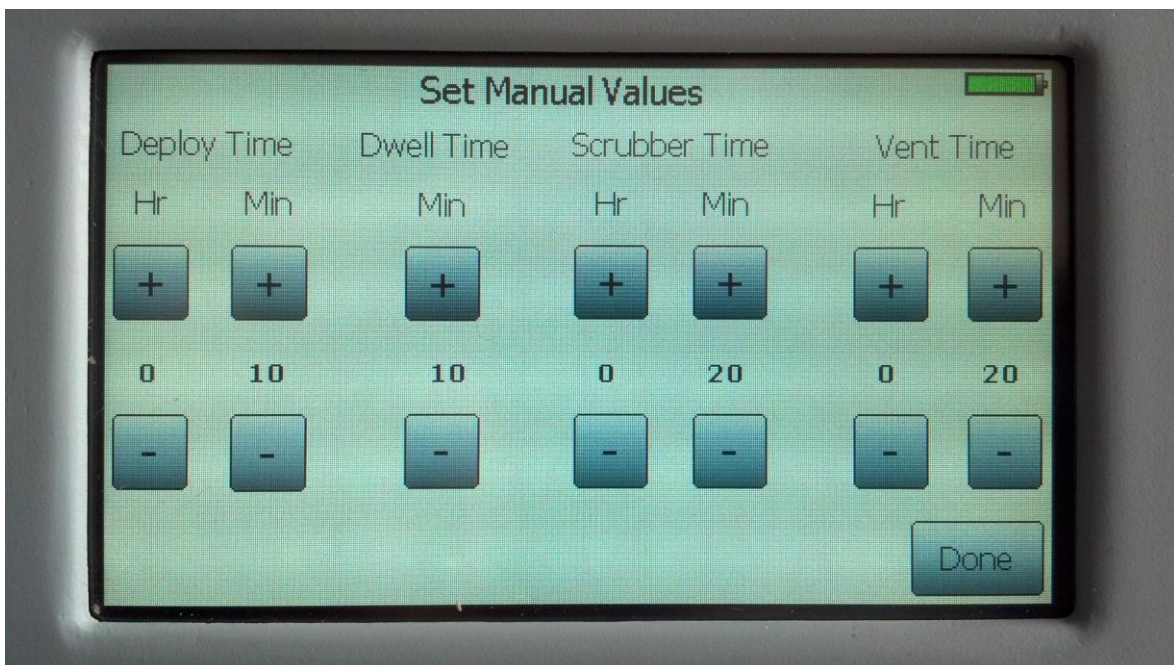


SETTING DEFAULT OPERATING VARIABLES

1. On the Manual Machine Operation Screen, press the “**Set Values**” button.



2. Each value can be increased or decreased by pressing the “+” or “-” buttons.



3. When finished, press the “**Done**” button. The display will return to the Manual Machine Operation screen. These values are stored and recalled as the default values the next time the machine is powered-up.

REPLENISHING ALTACARE CONCENTRATE

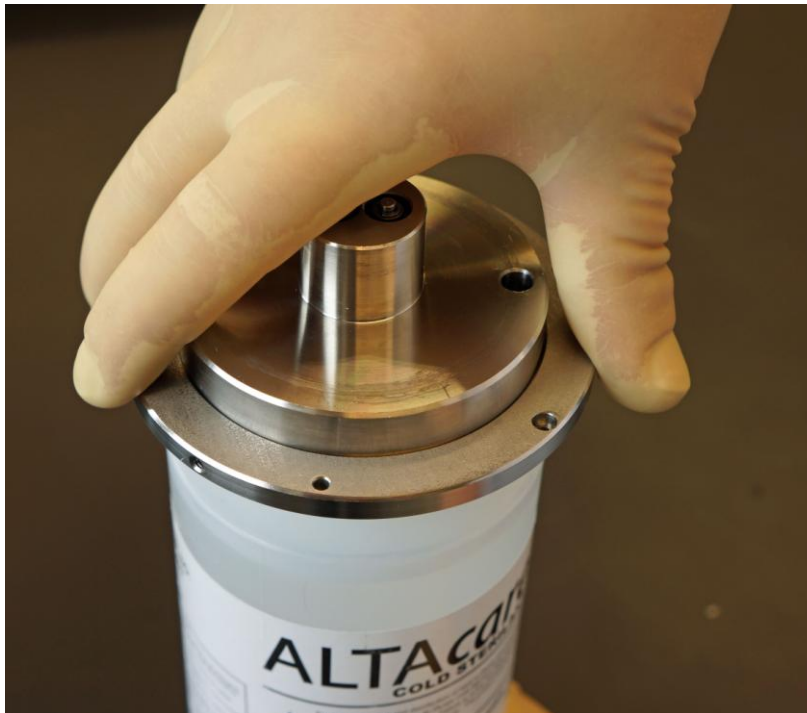
1. **IMPORTANT: Wear appropriate latex gloves and eye protection anytime you are handling the concentrated Altacare solution.** Place the bottle of Altacare concentrate on a smooth hard surface. Remove the cap from the bottle.



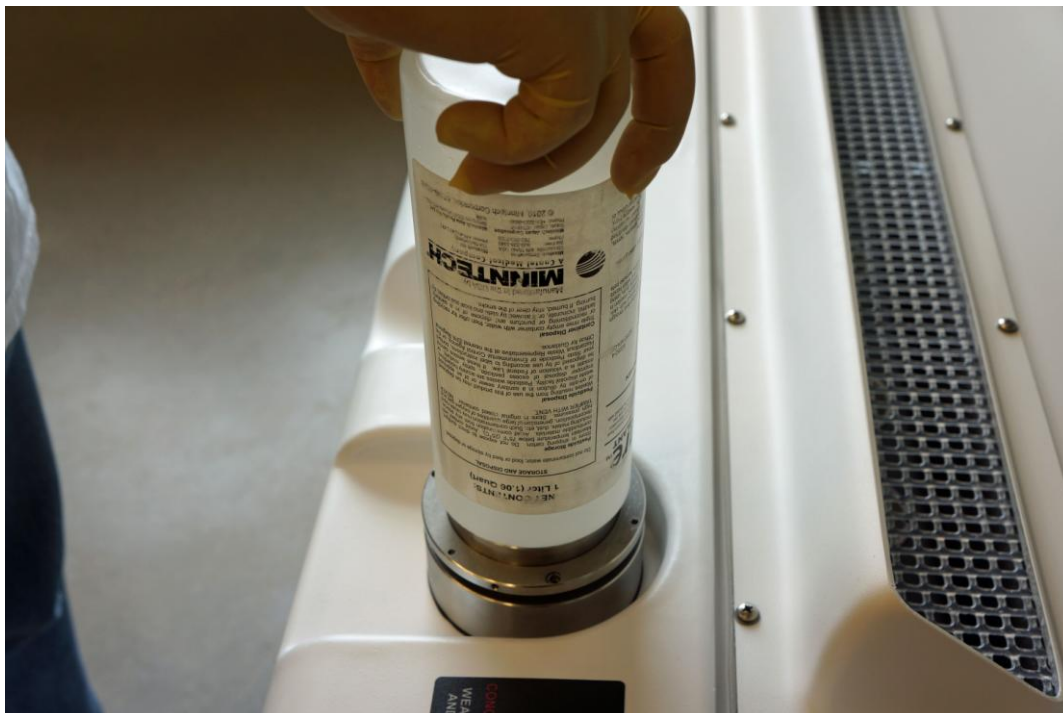
2. While holding the bottle firmly, place the bottle adapter over the top of bottle.



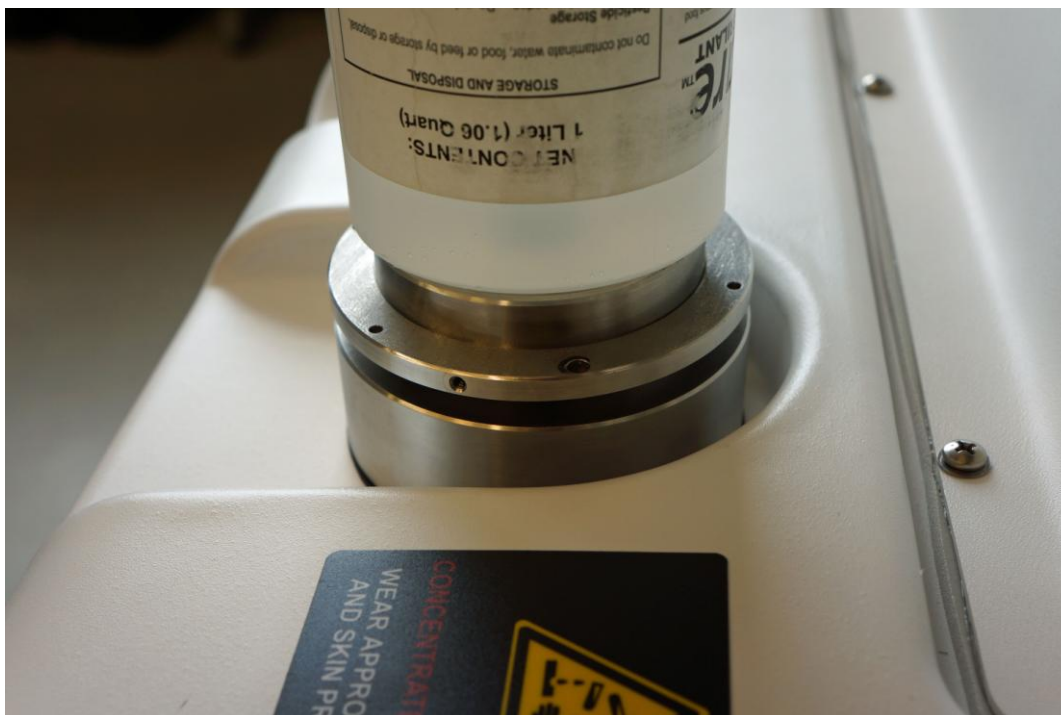
3. While holding the bottom of the bottle, screw the adapter onto the bottle in a clockwise direction.



4. Place the bottle assembly carefully on the machine.



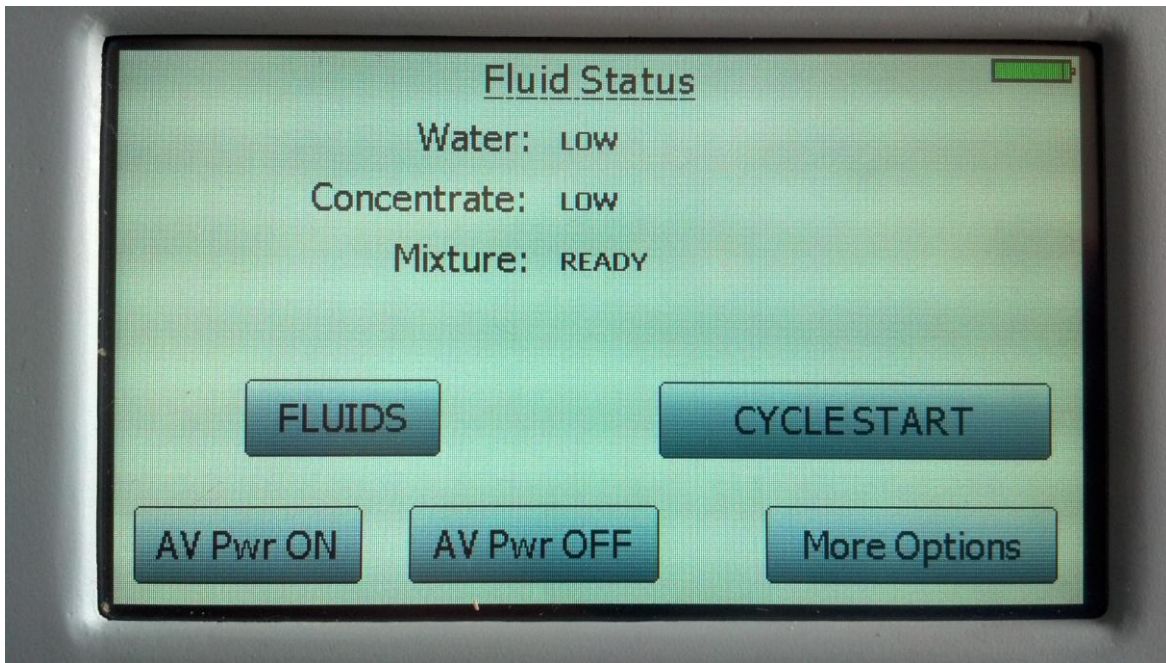
5. Turn the bottle assembly until the pins align.



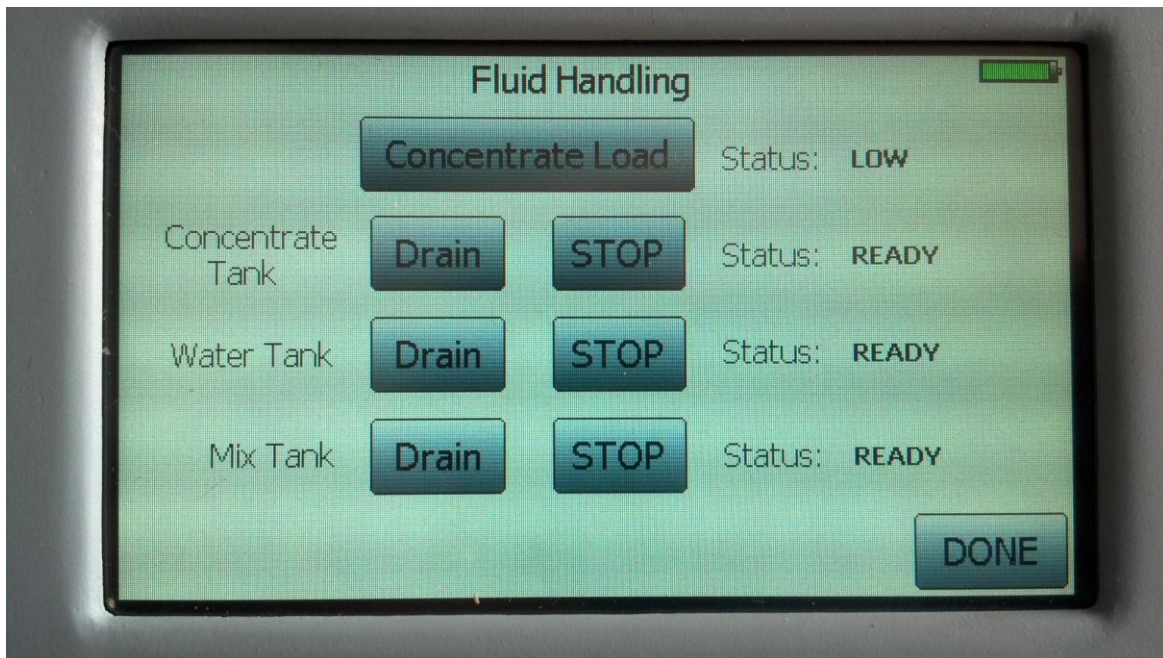
6. Immediately push the bottle down completely and firmly. There should be no gap between the adapter and receiver on the machine.



7. On the remote control, press the “FLUIDS” button.



8. The concentrate status will show the level in the concentrate reservoir. If the level is LOW or EMPTY, Press the “Concentrate Load” button.



9. The status will show the level as the entire contents of the concentrate bottle are emptied into the machine. This may take 2 or more minutes.

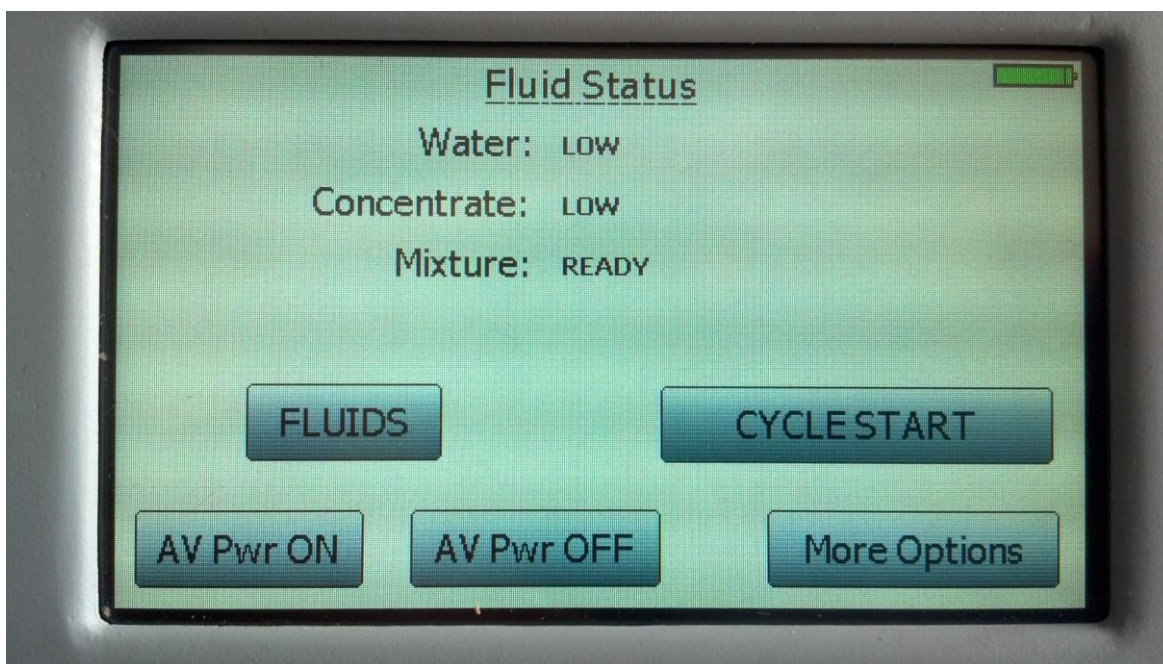
10. When the bottle is completely empty, press the “DONE” button to go back to the previous screen.

DRAINING FLUIDS

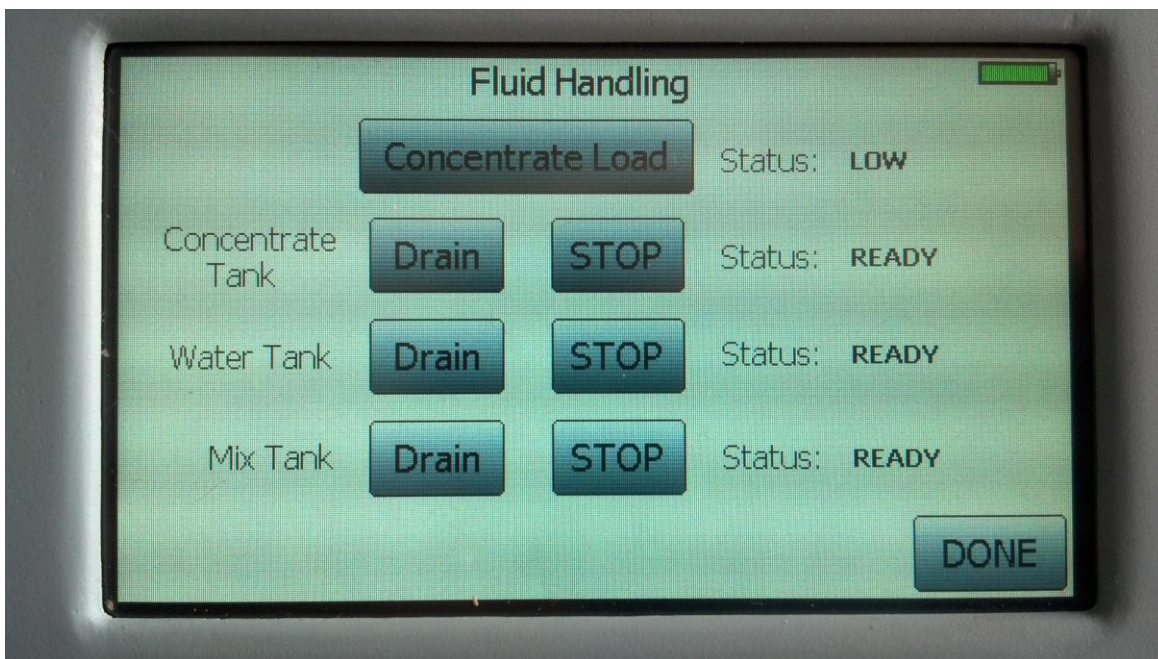
1. To drain fluids from the machine, connect the larger drain hose provided to the drain connection on the front of the machine. Place the free end of the hose in a drain.



2. Press the “**FLUIDS**” button on the first screen.



3. Depending on which component you want to drain, press the appropriate “**DRAIN**” button on the display. Since the fluid components are connected in a series fashion, selecting the “**DRAIN**” button above a component will make it drain as well. Press “**STOP**” when you are done draining.



4. Disconnect the hose by pressing the gray button to release.



5. Over time, the main blower can accumulate fluids (a swishing sound can be heard during deploy), connect the smaller hose to the connector on the back of the machine (handle end) and route it to a drain. Draining the main blower does **not** require the machine to be powered up.



6. Disconnect the drain hose by pressing the silver button to release.

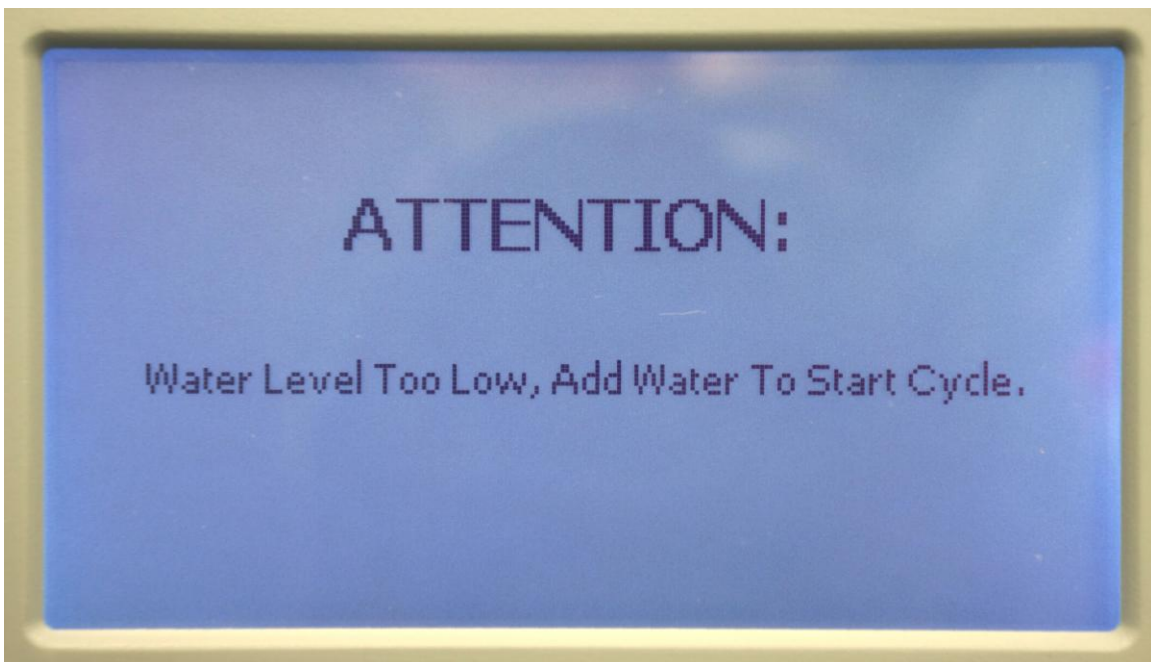


OTHER NOTES

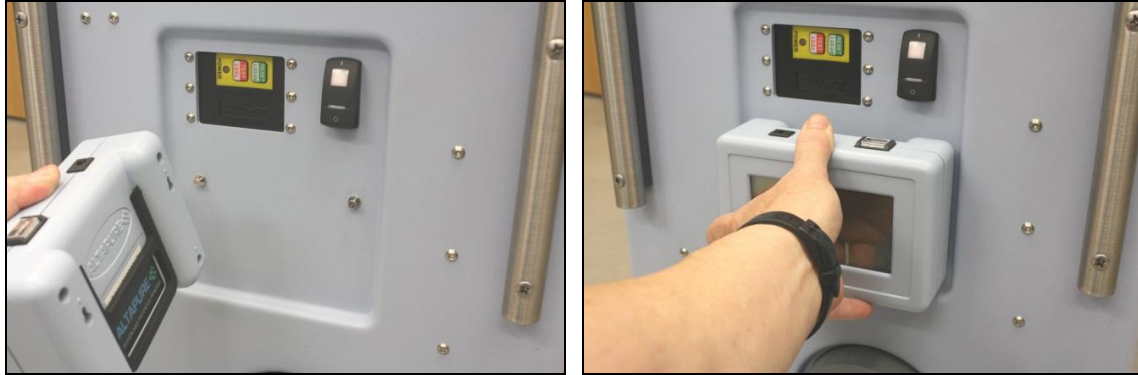
1. If the mixture in the machine has expired (has not been used or replenished in 72 hours), a message will appear to advise you to drain the mix tank.



2. If the water level in the machine is too low, a message will appear advising you to add water to the machine. Add 1 to 5 gallons of RO (reverse osmosis) and/or DI (deionized) water to the machine. Add 1 mL of Altacare concentrate per gallon of water to assure freshness. Make sure to add some water after the concentrate is added to rinse it down the filler tube.
NOTE: do not add tap water or filtered drinking water which contains mineral and other content which may potentially damage the machine.



To charge the remote control, hang the remote on the two charging pins on the back of the machine below the breaker and GFCI. Note that the machine **MUST** be plugged in, and the GFCI and breaker **MUST** be in the “ON” position for the remote batteries to charge. The power switch can remain off. Alternately, you can use the included wall charger to charge the remote control.



AUTOMATIC SHUTOFF

The Altapure HJ-30i will automatically shut off when there is an internal over temperature, an internal safety warning, or the Emergency Stop button is depressed.

DISPOSING OF UNUSED ALTACARE SOLUTION

Note: Altacare mixed solution has a maximum effective life of 72 hours. This is controlled by the HJ-30i and the user will not be allowed to continue a cycle if the mixture has not been used or replenished in 72 hours.

The water tank should be emptied at least every seven days, rinsed and drained from the system as detailed in the fluid draining section above.

Caution: Wear protective gloves and eyewear for this procedure.

1. Attach a hose to the drain fitting.
2. Empty machine into suitable drain.
3. Rinse tanks with RO and/or DI water for 3-4 minutes.
4. Verify full draining per fluid draining section above.

CLEANING

- Remove the **POWER CORD FROM THE WALL OUTLET** before cleaning the system.
- You may use a damp cloth to wipe outside of the machine.
- Rinse the inlet of the machine with RO and/or DI water. Drain the machine completely. Allow to dry.

MAINTENANCE

The HJ-30i requires no maintenance other than just periodic cleaning of the outside and making sure to add 1mL of Altacare per gallon of water when filling the water tank.

However, the **HJ-200 air reprocessor** does require some regular maintenance steps.

Daily:

For the first cycle each day, remove the input filter from the door by the handle to allow the internals to be disinfected.

Weekly:

Combine 5 mL of Altacare concentrate and 120 mL of RO/DI water in the squirt bottle. Remove the input filters and spray onto the dehumidifier coils until fully wetted. Allow to soak for 10 minutes then use the HJ-200 as normal.



TROUBLESHOOTING

THE USER **SHALL NOT ATTEMPT** TO MAKE ANY REPAIRS TO THE MACHINE UNDER ANY CIRCUMSTANCES. ALL REPAIRS MUST BE MADE BY TRAINED SERVICE TECHNICIANS.

If the unit does not turn on:

- a. Check the GFCI power indicator on the control panel to determine if power is getting to the machine.
- b. If not on, make sure unit is properly plugged into wall outlet.
- c. Contact facilities personnel to ensure that outlet is functioning properly.
- d. Push reset button on the GFCI.
- e. Check the power switch indicator. (It will illuminate dimly so surround it with your hand to see properly.)
- f. Make sure the battery in the remote is fully charged.
- g. Call your sales representative with any further questions.

End of Manual