



*Designers and Manufacturers of Mobile Health Clinics*

# ADI Mobile Clinic Winterization Check List

**NOTE:** “Winterize” the clinic for storage if the following conditions apply:

1. If the temperature is forecast to stay **below** freezing (<32° F / 0°C)
2. **AND** if **NO** 120VAC SHORE POWER CONNECTION IS AVAILABLE
3. **OR** if the vehicle will be in the care of others (garage, service center, repair shop, tire shop, etc.) who cannot guarantee heated storage or shore-power freeze protection.

## **At the parking / storage / service location:**

- Verify that all the windows are closed and locked, the ceiling vents are closed, the blinds are pulled and that the front night shade and front side window privacy curtains are closed.
- Switch the “**Radio**” power selector switch (on the dash, to the right of the vehicle HVAC controls) to “**Eng**”, not “**House**”.

## **Anti-freeze (RV, non-toxic):**

- Dental vacuum system: suck one cup of RV anti-freeze through each unit’s HVE vacuum hose.
- Sinks: pour one cup of RV anti-freeze into each sink drain.
- Toilets: pour one cup of RV anti-freeze into each toilet.

## **Draining the tanks:**

- Drain the fresh water tank using the drain valve next to the fresh water tank (usually under the bench seat or in a basement compartment). Draining takes about 30 minutes.
- Close the fresh water tank drain valve after completely draining the tank.
- Drain the clean water bottles on the dental units and purge all the water lines with the air switch and drain sterilizers. Verify that the ultrasonic cleaner has been drained.
- Empty the gray water holding tank at an appropriate facility.

## **Water system “Blow-out” procedure**

- Using the vehicle air compressor and the built in “**Blow-out System**”, open the water system drain valve and hold down the “Blow-out” system purge valve (under the sink, on a side wall) until you hear the sound of the system expelling an air / water mixture (procedure takes approximately 2 minutes).

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## **Batteries (See RV Battery Savvy Article):**

- Verify that the batteries are **fully charged**. (Fully charged batteries **will not freeze** - **discharged** batteries **will freeze** and **burst**).
- Check the electrolyte levels for each battery. Electrolyte level should be 1/8" below the fill well. **Use safety gear:** safety glasses and rubber gloves.
- Check the specific gravity of each battery cell with a float type hydrometer (should be at 1.277 + or - .007).

## **Shut-down Procedure:**

- Empty the refrigerator(s) of all contents.
- Remove any liquids that can freeze from the clinic, including drink containers and cans.
- Secure all valuables: hand-pieces, computers, patient records, the intraoral camera, digital sensors, etc.
- Remove any temperature sensitive dental or medical materials from the clinic.
- Turn off all the circuit breakers on the 120/240 VAC and the 12 VDC panels.
- Verify that all of the compartment lights are off.
- Verify that the generator master switch is off (in the generator compartment).
- Verify that all of the basement compartment doors are full closed and locked.
- Verify that "**Chassis Batt**"(ery) and "**Coach Batt**"(ery) are "**Off**". (Press each relay switch "Off" once, the green light will go out). This will disconnect the batteries.
- Turn off the convenience light.
- Lock the door and set the alarm (if equipped).