



## **Gen III+ Tankless Unit - Recommended Maintenance Procedures**

### **With Each Fill**

- If using a water-based insecticide, no maintenance to the unit should normally be required with each refill.
- If using an oil-based insecticide, follow the instructions in the Annual Maintenance Requirements with each refill

### **Each Year**

- 1. Remove and clean element in inlet water supply filter.**
- 2. Clean batch tank and components:**
  - a. Drain batch tank.** (MAINTENANCE Menu, DRN, Press Green ► button for 5 seconds. Unit will mist until batch tank is empty.)
  - b. Access batch tank:**
    - i. Remove fasteners securing controller to black plastic shroud. Feed controller into cavity inside unit.
    - ii. Remove black plastic shroud. Lift off of posts and lean shroud (with pressure gauge tubing intact) to left.
    - iii. Remove lid from batch tank.
  - c. Clean batch tank**, wiping out any residue
  - d. Clean float switch and post** – remove residue and confirm easy travel of float along post
  - e. Clean or replace filter** on pump intake line
  - f. Replace batch tank lid, shroud and controller**
- 3. Confirm dosing pump is working.**
  - a. Remove controller** – with all connections secure - out of its recession in shroud.
  - b. Execute a MANUAL MIST.** Unit will FILL, go through an extended DOSE step, AGITATE and MIST.
  - c. Confirm** dosing pump is pumping concentrate through clear tube leading to batch tank during DOSE step.

## Winterization

- 1. Flush coupler, dosing pump and insecticide flow line first with clean water and then with air.**
  - a. Thread PLUS-CAP onto a vented bottle filled with clean water.
  - b. Execute a Manual Charge to flush the dosing pump and line with clean water. (MAINTENANCE Menu, scroll to CHG. Press Green ► button 5 seconds.)
  - c. DOSE and a countdown will be displayed. The unit will run the dosing pump for an extended period, flushing insecticide out of the pump and line with clean water.
  - d. Remove PLUS-CAP from bottle and snap it by itself into coupler.
  - e. Execute another Manual Charge (same routine as above) to pump air through and evacuate fluid from insecticide flow line. Remove controller and lift to observe when the dosing pump is no longer discharging water.
- 2. Flush batch tank, pump and agitation valve with clean water.**
  - a. Drain the batch tank of dilute insecticide in accordance with label instructions and local regulations. (MAINTENANCE Menu, DRN, Press Green ► button for 5 seconds.) As the tank nears empty, lift the right front corner of the system slightly to evacuate as much fluid as possible from the mixing vessel. Press STOP when pressure falls.
  - b. Run Inspect to flush the batch tank and nozzle circuit (MAINTENANCE Menu, INS, Press Green ► button for 5 seconds.) If zone kit, run INS1 and INS2 to flush both nozzle circuits.
  - c. During the INSpect cycle, turn off valve at the faucet and disconnect the water supply tubing at the filter inlet.
  - d. Allow the unit to run until the batch tank is empty.
- 3. Evacuate remaining fluid from inlet water line and pump discharge line.**
  - a. Disconnect nozzle circuit from unit.
  - b. Use WINT function to hold inlet supply valve and agitation valve open for 30 seconds to allow trapped fluid to drain. (MAINTENANCE Menu, WINT, Press Green ► button for 5 seconds to trigger.)
  - c. Lift left side of unit about 4" to let water run out of valve and flow meter.
- 4. Unplug unit, coil power cord and stow under unit.**
- 5. Purge fluid remaining in nozzle circuit with compressed air.**
  - a. Remove the tip from the last nozzle on the end of each run.
  - b. Use portable air compressor with adapter (MistAway Part # 20052) to purge fluid from nozzle circuit.