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Auto Insect Control
Systems

<https://www.autoflyspraysystems.com>



How To Service A System

Analyze the System "As-Found" (Do this regardless of the nature of the service call):

- Take off cover. Note overall condition of system on work order.
- Immediately check settings and record on work order (time of day, usage, timer duration, spray times, etc...).
- Check CURRENT time on the controller. If clock is way off, record on work order, then adjust.
- Check the level in tank to the nearest ¼ inch. Record to work order.
- Check work order to see when the last fill was done, or the level at the last visit.

Test Controller

- Check that MIST NOW turns on the system immediately.
- Check that pressure is in the normal range (180 – 230 PSI) and the system comes up to pressure very quickly.
- Check holding pressure of the blowback valve at 10 – 30 PSI by plugging system outlet.
- Make sure system runs for programmed duration
- Check that timer activates system (analog)
 - Turn clock to one cycle and slowly rotate to be sure the clock activates a cycle
 - Set the clock 1 minute before a timed cycle and be sure clock will rotate and activate a cycle
- Check that timer activates system (digital)

Set a run time 2 minutes out.

Check that timer activates the pump for desired duration at the desired time.

Prepare for Refill / Flushing / Cleaning

- Clean tank out only if empty or close to empty.
- Clean filter inside and out with water.
- Fill half way with water after running the garden hose for 30 seconds into the yard
- Turn pressure to minimum (@75 PSI).
- Remove last nozzle in each run and let system run for 2 minutes to flush. Reinstall nozzles.
- Perform a test cycle and physically check nozzles and note system layout
- Replace all faulty nozzles, fittings, unions, tubing.
- Record all parts used to work order

Test for Leaks (With the leak down tester or Coastal system with blowback valve)

- Attach the leak down tester gauge. Turn on system for one test cycle.
- Turn system off and watch pressure gauge on leak tester
- Gauge should drop to 30 PSI fairly quickly as nozzles relieve pressure until valves close
- Gauge should hold 10-30 psi after 5 minutes if all nozzles close and there are no system leaks.
- Fix all leaks until system holds adequate pressure. Utilize leak tester in different locations.
- Record final holding pressure on work order

Complete Fill

- Fill with chemical slowly to avoid spills. 32" tank = 55 gallons. 1 inch = 1.7 gallons. $1.7 * 64/55 = 2$ ounces of Riptide or Sector. So, 2 ounces per inch, 1 ounce per half inch.
- Add remaining water to fill tank until filled 1 inch below top of tank
- Run system for 60 - 120 seconds to mix the tank and send chemical to all nozzles

Record "As-Left" Conditions

- Tank level
- Timer settings, duration, time of day
- System holding pressure
- All parts replaced
- Check out with homeowner as needed. Confirm details of service call and work done.