

# Start-up Dosatron® Fertilizer Injector Maintenance Check List

Date Inspected: \_\_\_\_\_ Injector Serial #: \_\_\_\_\_ Initials: \_\_\_\_\_

- Record and file contact information for manufacturer.
- Record date of installation and greenhouse location.
- After period of non-use, soak entire disassembled unit in soapy water prior to installing.
- Do not use tools when assembling unit.
- Rinse injector before using the unit.  
To do this, insert suction tube into container of clear water and inject for 3-5 minutes.
- Perform a good overall visual inspection. Be sure that a 200 mesh water filter is in place. This validates warranty.
- Evaluate working order of pistons and piston motor by listening to the pumping sounds as it runs.
- Bleed air from unit with first use and after fertilizer stock tank change.  
This is done by slowly opening water supply valve and pressing black button on top. After steady flow of water comes out, slowly open water inlet valve to permitted maximum flow.
- Check that water flow is not flowing back into the stock container by 1. Watching level of stock, 2. Making sure the suction tube contains fertilizers and not water, 3. Verifying check valve installation. Check valves prevent back siphoning and protect unit from water hammer damage. A flow-through check will indicate problems.
- Do a mechanical check for proper suction of solution.  
Listen for clicking pistons and/or blue water from hose end (run water into white pail to make it easier to see).
- Check the inlet suction tube for air leaks.
- Check that suction tube and strainer are not blocked or clogged.
- Check for leaks in the vicinity of the black nut under the body and between bell housing and body.
- Check that diffuser seal, in the body, is positioned correctly and is not damaged.
- Check bell housing for damage, proper positioning and presence.
- Check dosing indicator for proper PPM.

References: The perfect solution! DI 16-11 GPM Operating Manual DosatronR International 01/01, [www.dosatronusa.com](http://www.dosatronusa.com)  
William Thompson & Philip Davis, Cornell Growers-specializing in injector maintenance