

# Quarterly Dosatron® Fertilizer Injector Maintenance Check List

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

- Update manufacturer/dealer contact information for maintenance concerns.
- Record date that maintenance was completed.
- Do not use tools when servicing or disassembling unit.
- Rinse injection areas.  
To do this, insert suction tube into container of clear water and inject for 3-5 minutes.
- Evaluate working order of pistons and piston motor by listening to the pumping sounds as it runs.
- Bleed air from unit 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 for contaminated, worn, or missing check valve parts and replace.  
For procedure, see manual page 11 under "Check Valve"
- 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 that suction tube and strainer are not blocked or clogged.
- Check if check valve seal is present, is not dirty or worn.
- Check if plunger seal is present, is not dirty or worn. Also check for wearing of injection stem.  
For procedure, see operation manual under "Injection System"
- Check that diffuser seal (in the body) is positioned correctly and is not damaged.
- Check bell housing for damage, proper positioning and presence.
- Check motor, injection, and dosing seals to ensure precise injection and replace as needed.  
Dosatron sells seal kits for this intended purpose.

References: The perfect solution! DI 16-11 GPM Operating Manual Dosatron<sup>R</sup> International 01/01  
William Thompson & Philip Davis, Cornell Growers-specializing in injector maintenance

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