



Installation and Use Tips

Installation

- * Remove the red inlet, outlet and solution intake plugs inserted for shipping
- * Install the Advantage injector in a cold water line (under 100° F)
- * Install
 - < A10 injectors with the arrow on the inlet side, not the outlet side
 - < All other models with the arrow *pointing* to the outlet side
- * Maintain the water pressure between 5 and 100 psi
- * Install a 140-mesh filter on the inlet side of the injector. This prevents sand and other solid particles from entering the motor of the injector and is especially important if your water source is from a well or pond. Dosmatic carries Rusco Spin-down filters that can be ordered with your injector. Failure to use an inlet filter will void any warranty.
- * The solution filter on the suction tube should not be removed and should be kept at least 2” from the bottom of the solution bucket or tank to prevent debris from clogging the filter and stopping the injector from functioning
- * The Advantage injector is shipped with a thin coat of silicone around the seals as a precautionary measure before the injector is put in use. Reapplying silicone is not necessary unless an extended storage period is anticipated. **Never use Petroleum based lubricants such as Vaseline, baby oil, WD 40, motor oil, etc.** on the O-rings or any part of the injector as this can cause particles to adhere and clog or damage the injector. Call Dosmatic at (800) 344-6767 if you have any questions.
- * Normally, opening the bleeder valve is not necessary on Dosmatic injectors. If you feel strongly that you need to do so, be careful not to over-tighten the knob; hand tighten only. Using pliers can cause the O-ring to be pulled out of position, causing leaks.

Use and Maintenance

- * Clean or filtered water should be used when mixing the solution to be injected.
- * The solution container should be kept covered to prevent debris from falling into the solution and clogging the filter.

- * Clean the solution container every week with to prevent dirt and scale build-up.
- * Combining two chemicals in the solution tank can produce a chemical reaction that could damage the injector. To use more than one chemical at a time, call Dosmatic at (800) 344-6767 and ask for the correct installation procedure.

Use and Maintenance (cont.)

- * When using a water-soluble chemical, make sure it is thoroughly dissolved before opening the inlet water and starting the injector. Dissolve in hot water, if necessary and if the chemical will not be damaged, but allow the water to cool before using. Failure to thoroughly dissolve the chemical being injected will cause premature wear to the dosage piston and the cylinder.
- * Advantage injectors should make a gentle clicking noise when in operation. If it is ***not clicking***:
 - < Did you remember to remove the red plugs at the inlet and outlet openings?
 - < Is the water pressure between 5 and 100 psi?
 - < Is the water flow in the direction of the arrow located on the injector body?
 - < Is the injector working at high water flows but not at low water flows? If so, then the problem may be a worn O-ring (#17) located between the lower cylinder and the injector body. Inspect and replace the O-ring, if necessary.
 - < Has the injector been disconnected from the water source for longer than 60 days? If so, submerge the injector in water for 24 hours so that the working parts can reabsorb water and swell back to the proper size.
 - < If the injector is still not clicking, do not open the upper body. Call the Dosmatic Technical Department at +1 (800) 344-6767 for further assistance.
- * If the injector is clicking, but not drawing solution, check the following:
 - < Inspect and clean the solution filter. Be sure it is suspended at least 2" off the bottom of the solution container.
 - < Is the water draining back down the suction tube? If so,
 - ⇐ Unscrew the suction tube fitting assembly and be sure the parts are fitting correctly.
 - ⇐ Look for debris in the suction tube fitting assembly and rinse under running water.
 - ⇐ Is the O-ring in the assembly swollen or out of shape? If so, replace the O-ring and/or the assembly.
 - ⇐ Check the suction tube for cracks and replace, if necessary.
 - < Is the dosage piston worn? To check, unscrew the external cylinder and separate it from the body of the injector. Take hold of the shaft and turn it 90 degrees in any direction to release it. Pull it from its housing. Remove the dosage piston by depressing the two "ears" of the shaft simultaneously and removing the piston upwards.

- < Be sure the inner cylinder is free from scratches and cracks by cleaning, drying and inspecting it. If it is damaged, replace it.

To contact Dosmatic U.S.A./International, Inc. for assistance, call (972) 245-9765 or (800) 344-6767 or e-mail: info@dosmatic.com

T:marketing/forms/TroubleshootingTips