



# DOSATRON®

WATER POWERED DOSING TECHNOLOGY

Proper protection, such as gloves, eyewear, and aprons, are recommended when disassembling a Dosatron.

## D8RE3000 Complete Service Seal Kit

Before we start, make sure the Dosatron is clicking. If not, be sure to read the Dosatron D8RE3000 - 40 GPM Troubleshooting document.



To service your D8RE3000 injector you will need the seal kit (Part #: 8PJ075), a pair of needle nose pliers, a utility knife and a small towel.

**NOTE:** It is best to perform this maintenance in a clean area or if your Dosatron unit is in-line, cover your concentrate tank so you won't lose any of the parts.



**Step 1:** To begin, unscrew the suction hose nut and set aside.



**Step 2:** Unscrew the injection stem nut and remove.



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**Step 3:** Pull the injection stem straight out from the body of the injector. Set the unit aside.



**Step 4:** Unscrew and remove the check valve nut.



**Step 5:** Grasp the white threaded barb and pull the check valve assembly straight out. It might come out in two pieces. Discard all of these old check valve parts.



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**Step 6:** Unscrew and remove the lock nut.



**Step 7:** Then, remove the "C" clamp by spreading the opening and sliding it down over the threads.



**Step 8:** Unscrew and remove the adjusting nut.



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**Step 9:** Push the white injection stem up and out of the black sleeve. Use a towel and dry the outer portion of white injection stem and the top of the black sleeve.



**Step 10:** Remove the injection sleeve o-ring (Part #: JDI100) by pinching and rolling it off the black sleeve. Install the new o-ring into the groove. Set the black sleeve aside.



**Step 11:** Next, pick up the white injection stem and unscrew the upper insert and remove.



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**Step 12:** Flip the white injection stem upside down so the upper insert o-ring falls out into your hand. Discard the upper insert o-ring and replace with a new one (Part #: 20J006). Reinstall the top.



**Step 13:** Then, remove the injection stem o-ring (Part #: JD1120) by pinching and rolling it off the white stem. Install the new o-ring into the groove.



**Step 14:** To reassemble, align the groove in the white injection stem with the tooth inside the lower portion of the black sleeve and slide the stem down as far as possible.





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**Step 15:** Thread the adjusting nut back onto the black sleeve and set it around 0.1% or 1:1000. This will ensure that you have enough threads for the next step.



**Step 16:** Replace the “C” clamp by sliding it over the threads at the bottom of the white stem. Rotate the clamp until it clicks into place.



**Step 17:** Then thread on the lock nut and hand-tighten.



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**Step 18:** You can now install the new check valve assembly (Part #: PJDI140) into the stem and reinstall the check valve nut.



**Step 19:** To wrap up, slide the injection stem nut onto the black sleeve. Set the stem aside and pick up the unit.



**Step 20:** To remove the beige plunger, pull it down as far as it will go.



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**Step 21:** Position the needle nose pliers near the top of the plunger and carefully twist it a quarter turn counterclockwise and disconnect. Discard the old plunger.



**Step 22:** To install the new plunger assembly (Part #: 8PJ074), use the needle nose pliers to align the top of the plunger with the retainer. Then twist it a quarter turn clockwise to lock.



**Step 23:** Carefully slide the injection stem assembly onto the plunger.





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**Step 24:** Align the notches in the lower part of the blue body with the teeth on the top of the injection stem assembly. Slide the two parts together, then hand tighten the injection stem nut. Set the unit aside.



**Step 25:** Before installing the suction hose, slide the ferrule back and cut a half inch off the top of the hose. Reposition the ferrule.



**Step 26:** Insert the hose into the barb and hand tighten the nut. Pull on the hose to make sure it's connected securely.

**NOTE:** If it comes off easily, you may need to cut another half inch off, reset the ferrule and reattach the nut.



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**Step 27:** Make sure to set the Dosatron unit to your desired setting.

We hope this document has been helpful in servicing your  
**Dosatron D8RE3000- 40 GPM** Injector.

For more information, give us a call at **1-800-523-8499** or visit us online at **[www.dosatronusa.com](http://www.dosatronusa.com)**.

To see our videos, check out our **YouTube** channel.