



# DOSATRON®



Scan the QR code to watch our DM11F Troubleshooting video.

*WATER POWERED DOSING TECHNOLOGY*

## DM11F Troubleshooting - Part 1

**This DM11F Troubleshooting will cover: The medicator is clicking, but not drawing the solution or liquid is going down into the stock tank.**



**NOTE:** Before you start, make sure the unit is clicking.

**Step 1:** Unscrew and remove the stem nut.



**Step 2:** Remove stem by grasping and pulling straight down.



**Step 3:** Next grasp the plunger, twist it  $\frac{1}{4}$  turn counter clockwise. Pull straight out to remove.



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**Step 4:** Set the Medicator down and inspect the plunger seal (J009) for nicks, grooves, or wear.



**Step 5:** You can also test by taking the stem and inserting the plunger and then pulling it out. It should make a pop sound. If not or if you see damage, it is definitely time to replace the plunger seal (J009).



**Step 6:** Now unscrew and remove the check valve nut.



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**Step 7:** Pull the check valve straight out. It may be a bit snug, but it will slide out.



**Step 8:** Grasp the white retainer (PDI739) and twist it  $\frac{1}{4}$  turn counter clockwise to release the check valve parts. Remove the spring and the cone. Inspect the o-ring (JDI105) and replace if worn or scored.

**NOTE:** The DM11F Mini Maintenance Kit (PJDI900MINI-LS) includes:

- Plunger seal (J009)
- Top guide (PDI739)
- Check valve cone (PDI729)
- Silicone (Dosa-Lube)
- Check valve spring (MDI358)
- Check valve cone o-ring (JDI105)
- Medicator Rx (Cleanser-LS)

You may also purchase these parts separately.



**Step 9:** Once you have the parts out, make sure they are not damaged, gummy, sticky, or missing. If the parts are dirty, you can clean and re-install. But if they are damaged or missing it's time to replace. Remember to keep these parts clean and in good shape so your check valve will do its job.



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**Step 10:** To reassemble, put the cone (PDI729) back into the check valve.



**Step 11:** Slide the spring (MDI358) over the top of the neck of the cone.



**Step 12:** Replace the retainer (PDI739) by aligning it and turning it a ¼ turn clockwise to lock.



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**Step 13:** Before reinstalling the check valve, pull on the top to make sure it stays together.



**Step 14:** Reinstall the check valve into the stem.



**Step 15:** Next, take the check valve nut and thread it back onto the stem.



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**Step 16:** Insert the plunger into the housing, press it in as far as it will go and twist ¼ turn clockwise to lock.



**Step 17:** Test the connection, by pushing and pulling the plunger. It should click.



**Step 18:** Now, reinstall the stem.





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**Step 19:** Hand tighten the stem nut.



**Step 20:** One last thing . . . take a look at the top of the suction tube. If it looks like it flares out, cut an inch or so off and replace. Or, if the suction tube is cracked, has holes, is rigid, or looks really old, replace.

**Note:** To watch the video go to Dosatron's DM11F video page: <https://www.youtube.com/watch?v=Xw0aY3WfLXk> or the YouTube Channel: [www.youtube.com/user/DosatronIntl](http://www.youtube.com/user/DosatronIntl)

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