



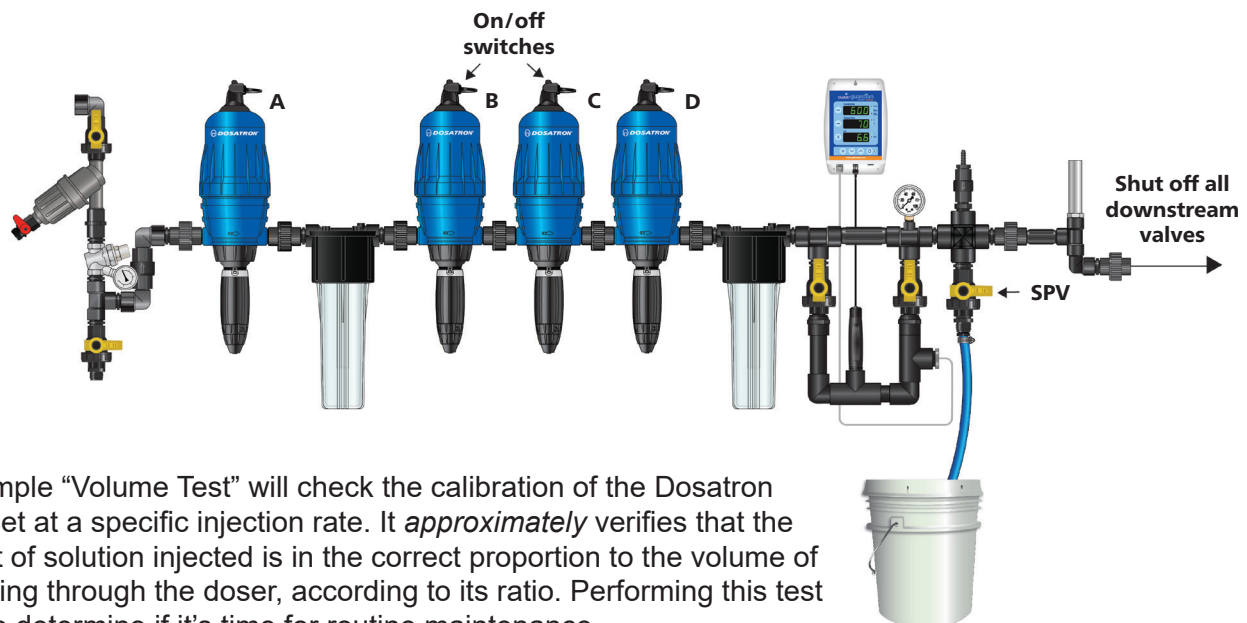
DOSATRON®

WATER POWERED DOSING TECHNOLOGY

NDS™
NUTRIENT DELIVERY SYSTEM

Volumetric Injection Test Procedure

Instructions for testing the calibration of your Dosatron doser
for your Nutrient Delivery System set-up.



This simple “Volume Test” will check the calibration of the Dosatron doser set at a specific injection rate. It *approximately* verifies that the amount of solution injected is in the correct proportion to the volume of fluid going through the doser, according to its ratio. Performing this test helps to determine if it’s time for routine maintenance.

Follow the simple steps below to test **Doser A**:

1. Set Doser A to 1:128 injection rate (0.78%)
2. Turn the switch OFF on all Dosers except **Doser A**
3. Shut water OFF downstream from the NDS. Nothing should be running at the time of the test
4. Hook up a garden hose to the sample port at the exit of the NDS and place it in an empty 5-gallon bucket
5. Fill a measuring cup with 5 ounces of water
6. Remove the strainer from the bottom of the Dosatron suction hose
7. Insert, and hold, the hose into the measuring cup (**NOTE:** Make sure the hose has an air tight connection onto the bottom barb of the doser. If necessary, cut 1” off the top of the hose.)
8. Turn the sample port valve (SPV) on slowly, allowing the Dosatron to suck up the 5 ounces of water
9. When the 5-gallon bucket is full, the 5 ounces of water should be gone

Continue on back.

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To test Doser B:

1. Set Doser B to 1:128 (0.78%)
2. Turn the switch OFF on all Dosers except **Doser B**
3. Repeat steps 3 to 9

Repeat process for the rest of the dosers.



NOTE: If your injection rate is set on 1:100, use 6.4 ounces of water instead of 5.



CAUTION: Chemicals are dangerous. Before you start this test, read your relevant Safety Data Sheet. Make sure you are clear on what action to take in case of accidental chemical splashes and spills.

Wear proper safety equipment including, but not limited to, eye protection, skin protection (safety apron), and gloves of the appropriate material.

If you are in doubt or have any questions, call your supervisor, engineering support, or Dosatron at **1-800-523-8499**. You may also CHAT at www.dosatronusa.com.



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