

# Hydro Unit | Dilution Test

A Hydro dilution test determines if the dilution rate of each cleaning product is accurate. Please follow these steps to conduct a dilution test:

1. Fill mixing cup to measure out 2 ounces of concentrated cleaning product.
2. Drain any excess cleaning product from tubing to get accurate results.
  - a. Pull tubing out of cleaning product, remove pick-up strainer and weight to drain excess product back into the supply bucket.
  - b. Raise slack of tubing to allow gravity to empty product from tube into supply bucket.
3. Place intake tubing into cup containing the 2 ounces.
4. Place output tubing into an EMPTY 1-gallon jug.
5. BEFORE starting your test make sure you are testing the correct line
  - a. Select proper setting using knob.
6. Fill the intake tubing with the concentrated cleaning product by pushing and holding the dispensing button while watching the concentrate flow toward the unit. The tubing needs to be full of cleaning product before proper testing can be achieved.
7. Run the water until the system pulls the last of the cleaning product out of the cup with 2 ounces.
8. If the gallon bottle is near/full when the cleaning product runs out, then the cleaning product ratio is correct. If not; see Step 9
9. If 2 ounces of concentrated solution is gone before the gallon is filled, then the machine is using too much cleaning product.
10. If the 2 ounces of cleaning product remains after the 1-gallon jug is filled, then the machine is not using enough cleaning product.
11. If your dilution test yields negative results
  - a. Refer to your maintenance scheduled and FAQs on how to clean and replace parts for an accurate dilution.
  - b. The most common remedies are to replace your Y pick-up assembly and metering tips. You may also have low water pressure. If your water pressure is at or below 40 PSI, reach out to your plumber or local contractor.
  - c. For additional support, please reach out to your FBP for specific trouble shooting measures.



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