

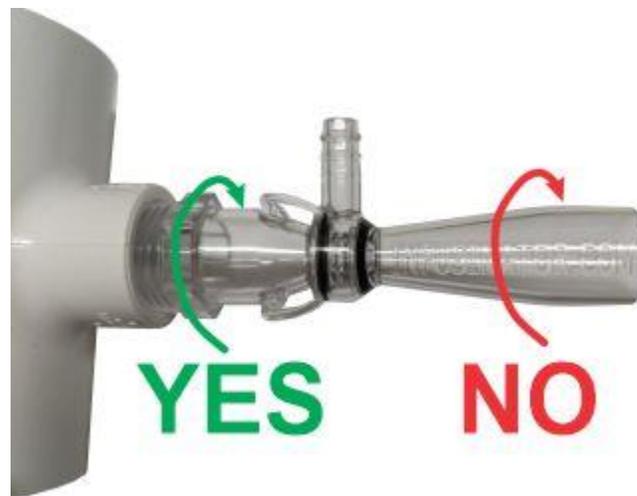
# Getting Started

The Infusinator™ Venturi nozzle is intended to be integrated into countless types of systems. These instructions are intended for general guidance on how to connect them into various plumbing setups. If you are not sure how many nozzles to use or how much water and air they use, please see our [Design Tool](#) for guidance. You may also [Contact Us](#) with questions.

## Nozzle Installation

The nozzle uses a 1/2" NPT fitting for the water supply. Screw the nozzle into a female fitting until it is snug.

- With most installations, tightening by hand is enough. Use an adjustable wrench on the hex-shaped area only when necessary.
- Only twist it at the hex-shaped base since grasping it at the outlet of the nozzle could separate the two nozzle sections.
- Do not overtighten! It could crack the plastic fitting or nozzle.
- There is no need to use Teflon tape on the threads. The tapered threads will provide a sufficient seal. Since the entire assembly will be under water, even if there was minor seepage it would have an insignificant effect on the performance.



**Twist in by holding the hex-shaped area**

The air line connection is used with a 1/4" inside diameter flexible tubing. The fitting contains 3 small ring shapes that slightly squeeze into the tube to create an air-tight seal.



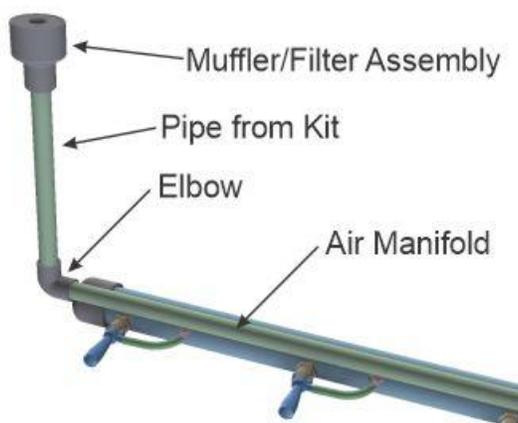
**Push tubing to cover the 3 rings**

Make sure the air tube is able to extend out of the water and is screened to prevent debris or bugs from entering. For multiple Infusinator, we recommend connecting all the nozzles to an air manifold and using our air filter/muffler system available [here](#).

## **Air Manifold & Filter/Muffler Module**

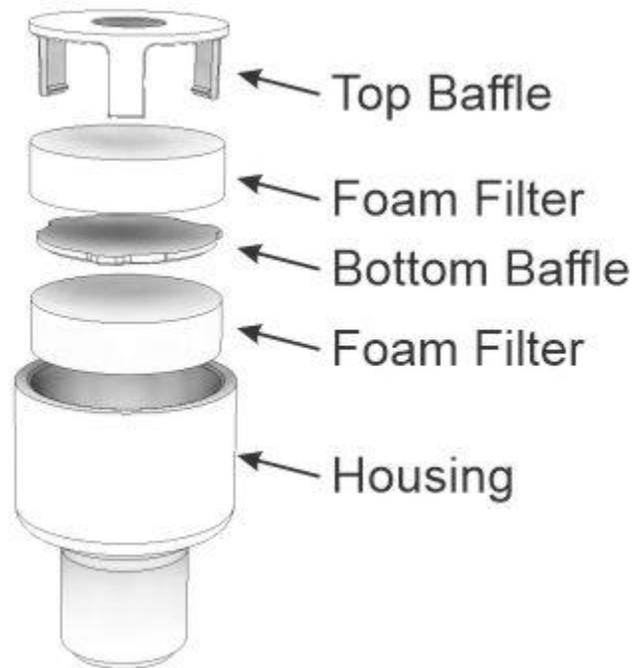
This kit is used for systems that are using an air manifold to connect multiple Infusinator into the same line. Since most systems are unique, this kit includes some 45 and 90 degree elbows and 1/2" pipe which will allow you to customize your installation. Not all components may be needed for your installation.

Assemble elbows and piping to your setup so that the 1/2" tubing will be above the water line and does not interfere with other components of your system. It is recommended that you dry-fit all these components together to ensure all the pieces are arranged properly. There is no need to cement the muffler assembly to the snorkel pipe since it is above the water line.



**Example of air snorkel assembly**

Periodically inspect and clean the filter. When removing the Top Baffle, the first Foam Filter and Bottom Baffle should come out as one unit and the other Foam Filter will remain in the Housing.



**Exploded view of Filter/Muffler assembly**

**IMPORTANT!** When attaching the barbed fittings into the manifold, insure they are installed on the bottom so that they can suck the water out of the manifold when the system is starting.

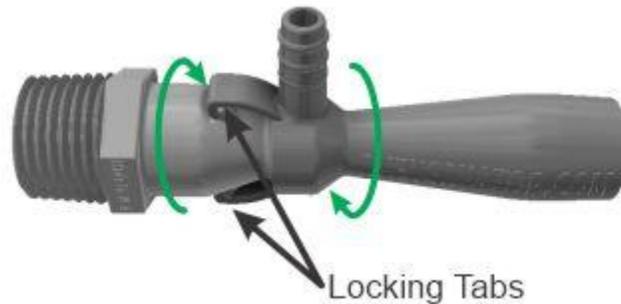


**Install Fitting On Bottom**

# Assembly and Gasket Replacement

The Infusinator™ is shipped assembled. However it may be necessary to clean out debris from the internal air holes.

To dismantle, grasp the base and twist the nozzle outlet until the two sections disengage at the locking tabs. **DO NOT** try to pry the tabs apart as they will break! When the nozzle is dismantled, remove the two gaskets and inspect them for damage. Clean all parts as necessary with water and a soft brush.



**Twist both sections in opposite directions to separate**

To assemble, place the Large Gasket on to the nozzle base piece so that it is set uniformly. Next, place the Small Gasket onto the nozzle.



**Large and Small Gaskets set in proper location**

**Note:** It is recommended that you apply slightly soapy water to the gaskets so that the two sections slide together easier.

Carefully slide the nozzle section over the gaskets, while making sure the locking tabs do not hit against the base tabs. **Important:** Pushing the tabs so they snap over the base tabs will break them! Once the two sections are pushed together, carefully twist the two sections so the locking tabs latch behind the base tabs.



**Push sections together, then twist**

When assembled, inspect the gaskets to ensure they are seated evenly. An uneven seal will cause the nozzle to not operate properly.



**Good seal vs. uneven seal**