

HousePEX Mixing Module Packages V2 & V3 Information and How-To Instructions

These instructions apply to both the V2 (3/4" PEX Tubing) and V3 (3/4" Copper Pipe) Mixing Stations.

The HousePEX mixing stations come un-assembled and must be put it together yourself on-site. This allows you to customize the layout as needed to work best with your system.

The below instructions are based on the picture below and on our website.

There are 4 locations that have threaded NPT connections. These 4 sites need to be enforced with the included Teflon Tape. Carefully wrap these threaded connections 3 to 5 times to ensure no leaks.

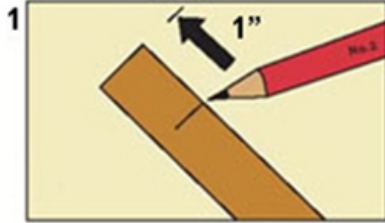
Layout the mixing station components where they will be installed – Taco pump, Pump Flanges, Cash Acme Mixing Valve, Sharkbite fittings and Super Strut.

- a. Attach the 1 inch brass nipple to the manifold with Teflon tape and tighten it with a wrench.
- b. Attach the 1 inch Taco Flange (without ball valve) to the brass nipple with Teflon tape and tighten it with a wrench – line up as needed.
- c. Attach the 3/4 Inch NPT Elbow to the other Taco Flange (with ball valve) with Teflon tape and tighten it with a wrench – line up elbow as needed.
- d. Attach both flanges to the Taco pump as shown in the picture below and tighten 4 bolts sufficiently.
- e. Attach 1 inch NPT coupling to bottom of manifold with Teflon tape and tighten it with a wrench.
- f. Place the Mixing Valve and Sharkbite tee as pictured and line up as needed. Measure the 3/4 Inch PEX or 3/4 Inch Copper to fit as needed. Make sure that all burrs are cleaned up on the PEX and Copper.

*VERY IMPORTANT! Please note--if you have the Copper Pipe version – The white plastic pieces located inside the Sharkbite fittings **MUST BE REMOVED BEFORE INSTALLATION**. Snub nose pliers work well for this application. For the Pex Tubing version, leave these plastic inserts in place.*

- g. Attach the 3/4 inch PEX or Copper as required.
- h. Attach the 2 super strut mounts to the mixing module as shown. The smaller clamp is for the top manifold section and the larger one is for the bottom. The weight of the manifold is supported by the brackets.
- i. Make sure that everything is tight – but be careful not over-tighten and check for leaks and adjust when filled with water.
- j. Attach the super struts and brackets to a piece of wood or where you plan to have the mixing station installed.
- k. Attach Supply and Return – from boiler using either 3/4 inch PEX or 3/4 inch Copper pipe as needed.

Connecting a joint:



Push the pipe firmly with a twisting action until it clicks.
Allow 1" clearance between the fitting and the wall for disconnection.

Disconnecting a joint:



Push the disconnecting clip against the release collar and pull the pipe with a twisting action.

HouseNeeds, Inc.

