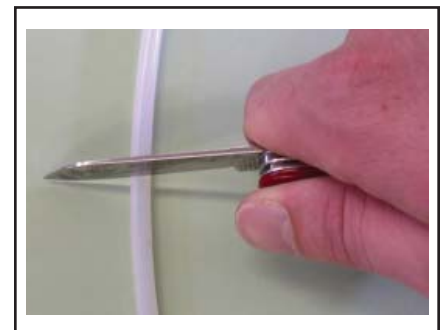


Preparing For Installation

Things to consider when installing your Midi-Classic:

Note: The use of softened water is recommended to minimize scale build-up in the boiling tank and drain valve.

- Select an area that will allow the distiller to remain level. Improper leveling could affect the production rate.
- The distiller must be located in close proximity to a water supply and an appropriate electrical supply source. The distiller should also be located in a well ventilated room.
- The Midi-Classic can be installed on a countertop, table or on the floor. If the Midi-Classic is installed on the floor, it must be at least eighteen inches above the floor. An optional stand may be purchased for this purpose. This is for several reasons:
 1. Easier position to observe, maintain, and repair.
 2. Easier to catch the flow from the boiling tank when you drain the residue water.
 3. Easier to catch the water from the storage tank.
- Electrical requirements: Isolated 115 VAC, 15 amp circuit (220 VAC, 4.5 amp). Check the electrical rating on the label on the rear of the distiller.
- When connecting the tubing into the quick-connect fittings, it is critical the tubing be inserted fully! The tubing should insert into the fitting 1/2" to 3/4". Failure to do so could cause water damage. We recommend that prior to inserting the tubing, you mark the tubing 1/2" from the end being inserted into the fitting (see figure 2). After inserting, pull back on the tubing to verify it is attached securely. This should ensure the tubing is properly and fully installed. Also, make sure the tubing is cut squarely and is free of rough edges.
- When disconnecting tubing, push in on the grey collet while pulling on the tubing until it releases. See figure 3.



Installation

CAUTION: The Midi-Classic weighs approximately 42 lbs. Please use caution when removing it from the carton to prevent injury.

1. Open the carton.
2. Carefully lift the distiller out of the box so it remains in the upright position.
3. Remove and identify all parts kits as listed on page 4.
4. With a pliers, remove the black plug in the fitting marked “Distilled Water Outlet”. If you are not installing a demand pump, insert the grey plug, located in the parts kit bag, into the fitting, Pump installation information is discussed later in this manual.
5. Remove the wire tie inside the boiling tank used to restrain the float during transit.

Connecting the Incoming Water Line

Notes and Cautions:

Note: The use of softened water for the raw water supply is recommended to minimize scale build-up in the boiling tank and drain valve.

Note: The Midi-Classic comes standard with a saddle tapping valve. In some areas a saddle tapping valve may not be permitted. In such instances, contact your authorized Pure Water Distributor for other water line connection options.

Note: Do not plug the unit into the power source until instructed to do so.

CAUTION: DO NOT use a hot water line for your supply line.

CAUTION: DO NOT turn the saddle tapping valve handle before or during installation. Be sure the piercing lance does not protrude beyond the rubber gasket. Failure to do this may result in damage to the piercing needle.

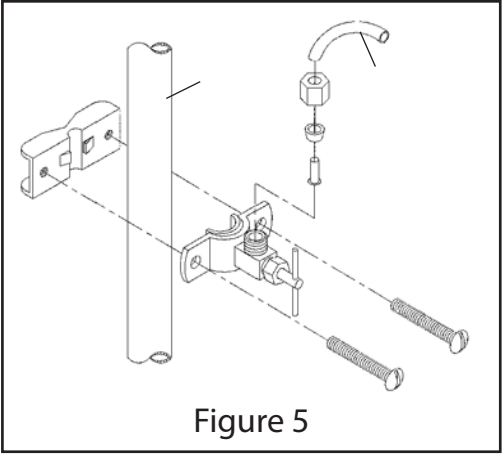
To hook-up the Incoming Water Line:

1. Locate the items in the parts kit bag as identified on page 4 as “Incoming Water Hook-Up”.
2. Turn the household water supply OFF.
3. Remove the blue plug in the fitting marked “Raw Water Inlet”.
4. Install the 1/4” speedfit elbow onto the fitting. Pull to test. See figure 6.

Caution: Never use the hot water line for your incoming water.

5a. For installation on copper pipes:

- a. Assemble the saddle tapping valve on the cold water pipe so the outlet is in a convenient direction. See figure 5.
- b. Tighten the screws evenly so the brackets are parallel. Tighten firmly, but do not overtighten.
- c. Connect the 25' of 1/4" plastic tubing to the saddle tapping valve.



- d. Cut the required length of tubing to run from the saddle tapping valve to the distiller, but make sure you coil a minimum of 8 feet of tubing behind the distiller to allow it to be moved away from the wall for cleaning or service.
- e. Cut a one foot piece of 1/4" tubing off the end of the tubing to allow the strainer to be installed. Note: You may also use a piece of tubing that was cut in step d.



Figure 6

- f. Install the one foot piece of tubing into the elbow on the Raw Water Inlet. Pull to test. See figure 6.

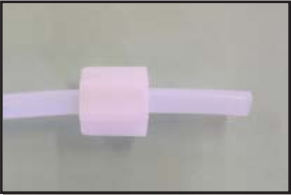


Figure 7

- g. Install a 1/4" compression nut onto the tubing coming from the distiller. See figure 7.
- h. Install the tubing onto the strainer. See figure 8. Make sure the tubing is inserted fully into the strainer and the flow is in the correct direction. Tighten the nut firmly.



Figure 8

- i. Install a 1/4" compression nut onto the tubing coming from the saddle tapping valve and connect to the inlet stem of the strainer. Tighten firmly. See figure 9.



Figure 9

- j. Turn the saddle tapping valve handle clockwise until you feel it is firmly seated. Note: You have now pierced the water supply line and the valve is closed.
- k. Turn the handle counterclockwise to open the valve. Turn on the household water supply and check the connections for leaks. Tighten where required.

5b. For installation on brass, steel, or PVC pipes:

Note: Make sure the water supply is turned off and drain the line. Make sure you are using the **cold** water line.

- a. Drill a 3/16" hole in the pipe. Use a hand drill to avoid shock hazard.
- b. Turn the saddle tapping valve handle to expose the lance beyond the rubber gasket no more than 3/16".
- c. Assemble and place the body of the valve over the hole so the lance fits into the hole. Make sure the outlet is in a convenient direction. See figure 5.
- d. Tighten the screws evenly so the brackets are parallel. Tighten firmly, but do not overtighten.
- e. Turn the saddle tapping valve handle clockwise to close the valve.
- f. Connect the 25' of 1/4" plastic tubing to the saddle tapping valve.
- g. Cut the required length of tubing to run from the saddle tapping valve to the distiller, but make sure you coil a minimum of 8 feet of tubing behind the distiller to allow it to be moved away from the wall for cleaning or service.
- h. Cut a one foot piece of 1/4" tubing off the end of the tubing to allow the strainer to be installed. Note: You may also use a piece of tubing that was cut in step d in the previous section.
- i. Install the one foot piece of tubing into the elbow and pull to test. See figure 6.
- j. Install a 1/4" compression nut onto the tubing coming from the distiller. See figure 7.
- k. Install the tubing onto the strainer. See figure 8. Make sure the tubing is inserted fully into the strainer and the **flow** is in the correct direction. Tighten the nut firmly.
- l. Install a 1/4" compression nut onto the tubing coming from the saddle tapping valve and connect to the inlet stem of the strainer. Tighten firmly. See figure 9.
- m. Turn the handle counterclockwise to open the valve. Turn on the household water supply and check the connections for leaks. Tighten where required.

Installing the Boiling Tank Drain Valve

1. Remove the blue plug from the fitting marked “Boiling Tank Drain” on the back of the unit.
Note: *Ensure that Teflon tape has been applied to the threads of the fitting on the drain valve.*
2. Locate the drain valve from the parts kit bag and install it onto the boiling tank drain fitting . Tighten using an adjustable wrench. **Note:** *Tighten until the outlet is pointing down.*
3. Insert the drain extension tube into the drain valve.
Note: *Make sure the compression sleeve is on the drain tube.*
4. Holding the tube in place, tighten the nut with a 5/8” wrench until the tube is secure. See figure 10.
5. Loosen the nut slightly so the extension tube can be rotated, yet is secure.



Figure 10

Installing the Storage Tank Faucet

1. Locate the faucet and rubber washer in the parts kit bag. Install the rubber washer onto the stem of the faucet.
2. Remove the red plug in the fitting on the front of the Midi-Classic.
3. Install the faucet into the fitting by rotating the faucet clockwise until tight and the sight glass is in the proper vertical position. See figure 11. **Note:** Do not twist the faucet by the sight glass. It is fragile.



Figure 11

Connecting the Power Cord

Note: On some 240V units, the power cord may be sold separately and not included in the part kit bag. Ensure the Power Switch is turned to the OFF position. See figure 14 on next page.

1. Locate the power cord in the parts kit bag. Install the female end of the power cord into the outlet on the back of the unit marked “Power Cord Plug”. See figure 12.



Figure 12

Notes and Cautions:

Note: This system must be fully grounded at all times. The electrical receptacle you use must be a fully grounded, single phase, AC 115-120 volt, 15 amp minimum circuit. If a two-pronged wall receptacle is encountered, it is the personal responsibility and obligation of the customer to contact a qualified electrician and have it replaced with a properly grounded three-pronged wall receptacle or have a grounding adaptor properly grounded. If an extension cord must be used, it should be a 3-wire, 15-amp minimum cord.

CAUTION: Do not, under any circumstances, cut or remove the round grounding prong from the electrical plug.

Steam Sterilizing

Steam sterilization is a method of disinfecting your distiller and storage tank. It's done by allowing the unit to operate without the fan, thus allowing steam to pass through the system and into the storage tank.

To steam sterilize your Midi-Classic:

1. Locate the 12" piece of silicone tubing from the parts kit bag. Place one end on the condensing coil tube and one end on the tube to the storage tank. See figure 13.
2. Plug the distiller power cord into the power supply.
3. Open the storage tank faucet and lock open. Place a bucket underneath to catch the condensation.
4. Turn the Fan Switch to "Sterilize". This switch is located under the top plate. See figure 14.
5. Turn the Power Switch to ON.
6. Remove the boiling tank lid and make sure the boiling tank is filling with water. When the water stops, the heating element will come on.
7. Replace the boiling tank lid. Tighten securely.
8. With the heating element operating and the fan switch set to "Sterilize", the unit is steam sterilizing. Allow the unit to steam sterilize for 45 minutes to 1 hour.

Note: Remove the red caps on the condensing coil outlet and storage tank inlet.



Figure 13



Figure 14

Note: We recommend you steam sterilize the Midi-Classic every four months or if the unit has been serviced.

9. Turn the Power Switch to OFF.
10. Allow the unit to cool for approximately 15 minutes. Close the storage tank faucet.
11. Remove the silicone tubing used for steam sterilization. Important Note: Keep this tubing for future use.

If you purchased a demand pump, install it now by following the instructions included with the pump kit.

Connecting the Post Filter

To hook-up the Carbon Post Filter:

1. Locate the post filter and two elbows in the parts kit bag.
2. Remove the two yellow plugs in each end of the post filter by pushing on the blue collets. Note: You may need a needle nose pliers to get the plugs out. See figure 3 on page 7.
3. Insert an elbow into each end of the post filter. Insert fully. See figure 15.
4. Install the post filter onto the condensing coil and storage tank outlet tubes. See figure 16. Insert fully and pull to test. **Note:** The flow direction is from the coil to the storage tank.



Figure 15



Figure 16

The unit is now ready for operation. Turn the Power Switch to “On”, the Fan Switch to “Distill”, and the unit will operate automatically and fill the storage tank with distilled water.

This will take approximately 18 hours. The unit will then monitor your water usage and restart as you draw water from the storage tank.

Discard the first batch of distilled water. **Note:** If you are installing a demand pump, make sure you test the connections before discarding the first batch.

Notice: The pump will not operate until there is enough water in the storage tank.

Note: Do NOT use the demand pump to discard the first batch of distilled water.

The storage tank will hold approximately 4.5 gallons of distilled water. You can remove approximately two gallons of water before the unit will restart.