



## Evaporative Cooler Assembly Instructions

Before operating the cooler, remove all of the screws from one of the side panels with a screwdriver and pull the panel out. Inside you will find the duct, louver assembly, controller, remote, float valve and instructions. Remove all of these items, and leave the panel off the cooler for access during assembly.



Next you will want to assemble the duct for the cooler. It comes in 2 pieces that are screwed together in the center with the included large screws. You are now ready to attach the duct to the lip on the cooler. Make sure the side of the duct with the slot in it is at the bottom and facing the greenhouse so that you can insert the power cord and controller inside your structure (see picture below).

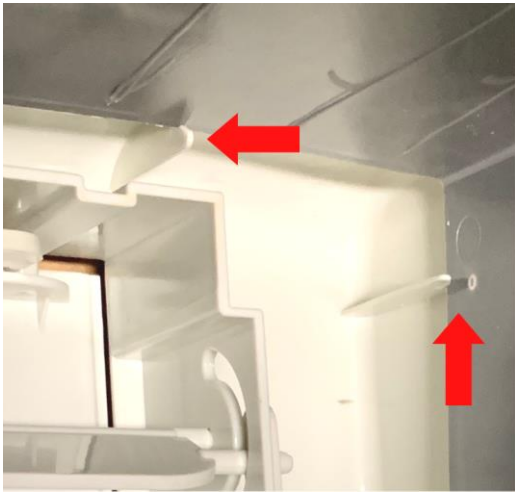


If you have not already, cut an opening in the wall where you want to locate the cooler just large enough for the duct to fit through. You can seal the area around the duct with silicone sealant. The cooler can be placed directly on the ground if it is on a well-drained surface like gravel, sand, etc..



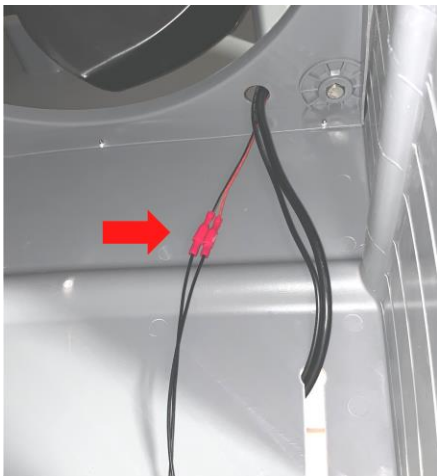
If you decide to do this, you will need to remove the screw-in drain plug on the cooler (see picture at left) and replace it with the rubber one that inserts into the drain opening from inside the cooler. Otherwise, it is recommended the cooler be placed on a raised foundation at least 3" off of the ground if it is not placed on well draining. Common materials used for the foundation include 4x4 treated lumber, pavers, bricks, etc.





Now you are ready to attach the louver assembly to the duct inside your structure. The louver assembly snaps onto the duct and has a groove that the duct sleeve fits into (see picture at left).

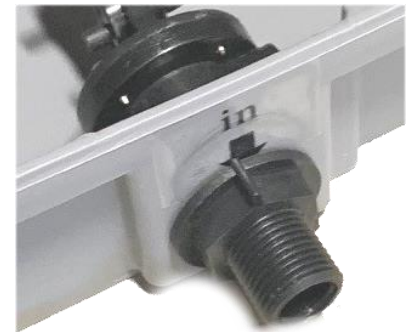
**BEFORE ATTACHING LOUVERS:** First slide the power cord and cord for the controller into the slot in the bottom of the duct (see picture below). After snapping the louver assembly into place, you can further secure it to the duct with 4 of the small screws included in the instructions bag.



The louver assembly has 2 wires that connect to the cooler by the fan. It does not matter which way you connect the wires (see picture at left).

**NOTE:** The cooler has 2 sets of louvers. The exterior ones are manually opened and closed. The interior ones can be made to oscillate by pressing the SWING button on the control pad. Exterior louvers should be left in the open position when automating with a thermostat.

Now it's time to attach the float valve to the cooler. Insert the threaded part of the float valve into the opening marked 'IN' on the side of the cooler (see picture at right). Wrap the threaded section extending from the cooler with included Teflon tape (3 to 5 wraps) and screw the water hose adapter onto it until snug (see picture below).

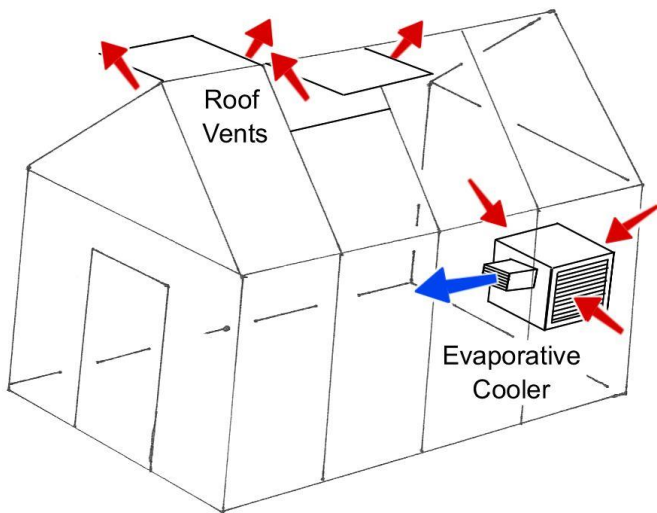


Make sure the float is installed like shown below with the stopper located above the float arm. The float adjuster sets the maximum water level in the cooler. Loosen the screw to change the float position. Push the float arm upwards for a higher water level and retighten to lock into position. You will want the cooler to fill up with approximately 2 inches of water in the base to operate properly.

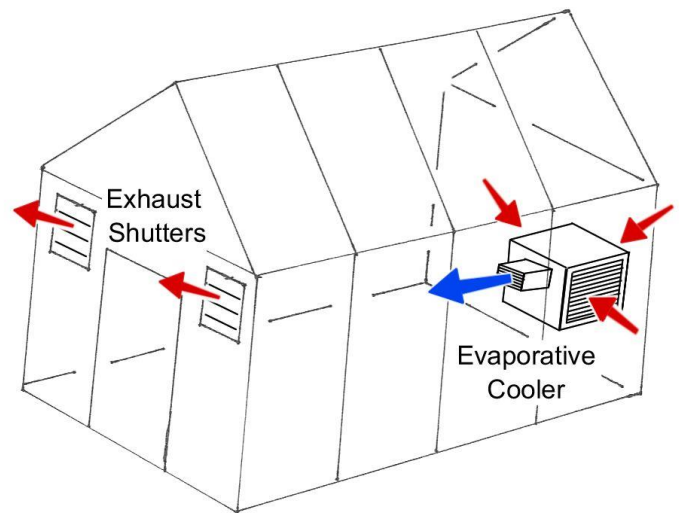


In a separate accessory box you will find the water hose adapter, Teflon tape, and interior drain plug.

## COOLER PLACEMENT INSTRUCTIONS



**Installation with Roof Vents**



**Installation with Exhaust Shutters**

The pictures above show optimal placement for an evaporative cooling system in a greenhouse. Exhaust shutters and/or vents should be mounted near the peak so that they are exhausting the hottest air in the greenhouse. The evaporative cooler is most effective mounted on the opposite end of the greenhouse so that the cooler fresh air travels across the entire structure minimizing hot spots.

**Inside View**



**Outside View**

