



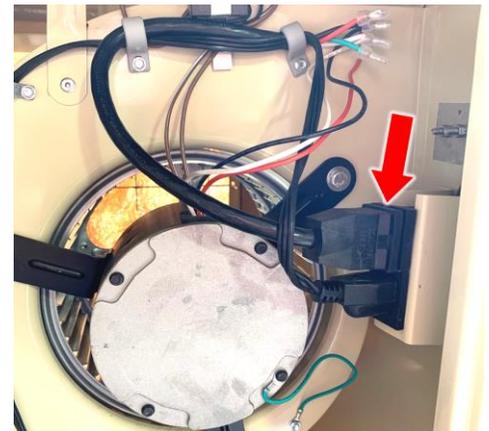
Evaporative Cooler Operation Instructions

Before operating the cooler, open one of the side panels by grabbing the handle and lifting up then outwards as shown in the picture to the right. The operator's manual will be inside. During transport some of the interior parts can come loose.

Check the water distribution tubing, and make sure it is securely seated in the 3 clamps shown in the picture below.



Also check the blower motor and water pump power plugs to make sure they have not come loose. The picture to the right shows their location.

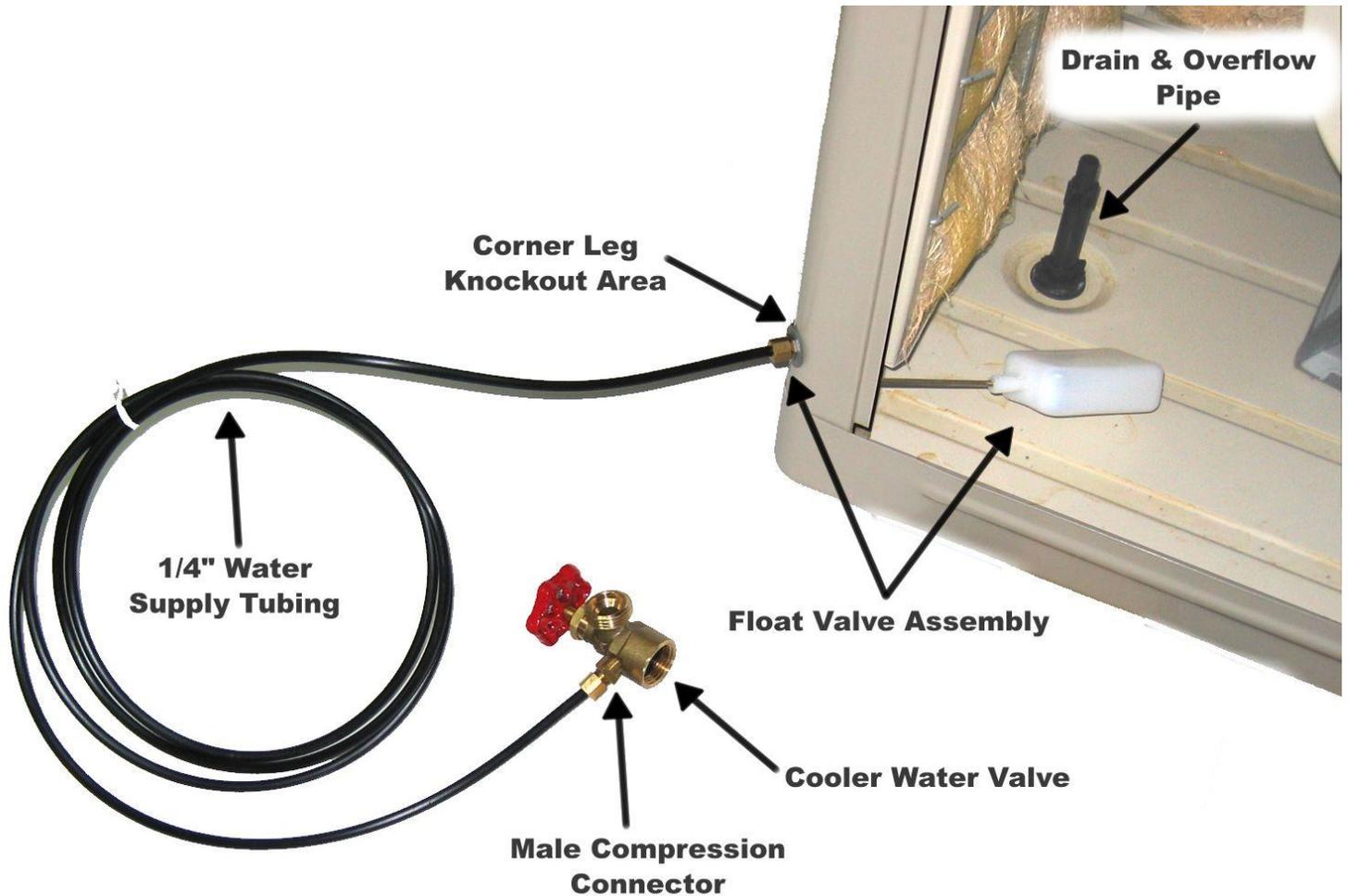


Evaporative Cooler Switch Functions

The top switch controls the fan operation. It can be operated with or without water. The lower switch controls the water pump. Do not cut the pump on unless you have water in the cooler's reservoir. Doing so can damage the water pump. When on, water will saturate the pads on the cooler and cool start the incoming air a few minutes after the pump is activated.

Evaporative Cooler Water Connection Instructions

ACF Greenhouses provides a water connection kit for the water supply hookup to a standard garden hose or faucet (shipped separately). Below are the instructions for attaching them to the evaporative cooler.

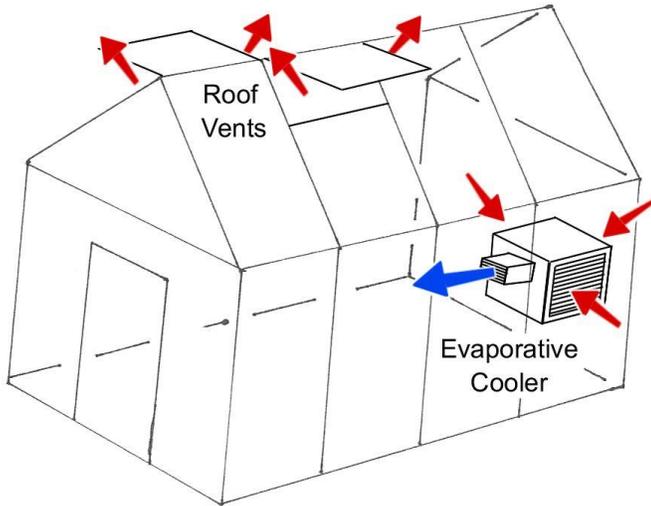


First, attach the float valve assembly as shown in the cooler instruction manual. Next, fasten the male compression connector to the $\frac{1}{4}$ " water supply tubing in the same manner as with the float valve assembly. Wrap the end that will screw into the cooler water valve 5 times with the white Teflon tape, and then insert into the cooler water valve until tight.

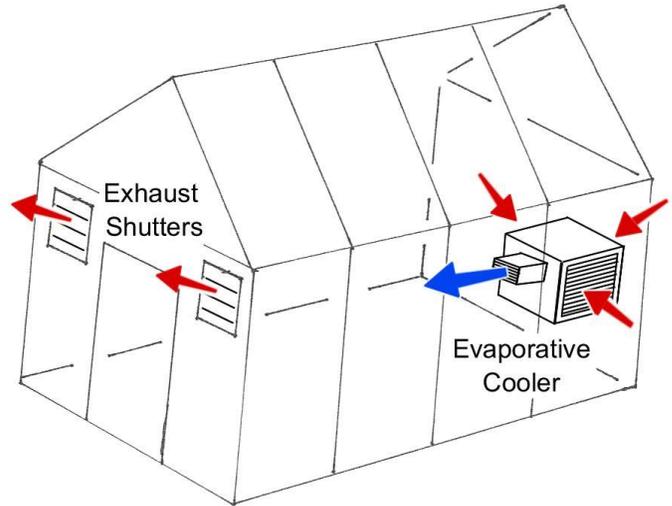
The cooler water valve is now ready to be connected to your water supply. Before connection, make sure the female end of the valve has a washer inserted. If the male end is not being connected to another line, turn the handle and close off the opening to it (Closing this valve does not cut off water to the $\frac{1}{4}$ " water line coming from the cooler).

Now, let the cooler fill up with water. If the float valve does not cut the water off by the time the water level rises to within $\frac{1}{2}$ " of the opening on the overflow pipe, the float valve will need to be adjusted by either turning the white float so that it projects downward further or bend the metal rod attached to it slightly downward.

Evaporative Cooler Placement Instructions

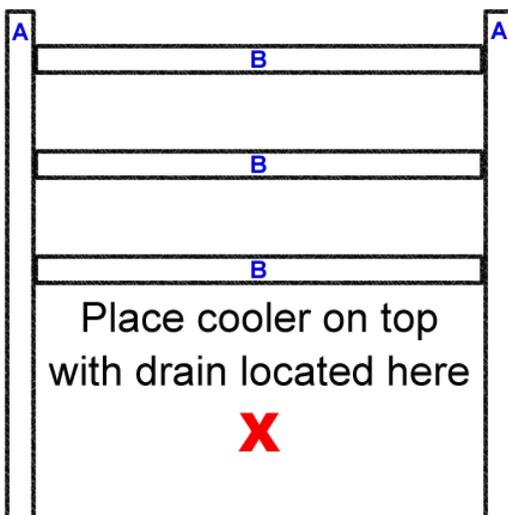


Installation with Roof Vents



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.



Evaporative Cooler Mounting

The most common mounting method for a cooler is to set it on flat support or stand. The picture to the right shows a simple and inexpensive stand that the cooler can be set upon. It should be built with 2" x 6" or taller lumber so there is enough clearance to the drain to attach a water hose if needed. The narrow ends of the lumber should face the ground and the cooler. A pieces should be the same length as the cooler depth. B pieces should be the same length minus the width of both A pieces. Piece B farthest from the drain should be inset 4" from the edge of piece A so that the cooler rails will rest on it. Piece B closest to the drain should be placed 3" behind the drain opening so there is room to attach a water line to it if needed. The middle B piece should be centered between the two. Each B piece of lumber should be fastened to A pieces with two wood screws on each end. Screws should be at least 1" longer than the width of piece A.

Place cooler on top with drain located here

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