



Intelligent Irrigation LLC

Installing a Single AquaJet in a raised bed garden

- 1.** Install a 150 mesh filter before the AquaJet as seen in figure 1. This **MUST** be installed at the valve or just before the water goes into the bed. This will keep out foreign objects and keep the AquaJet from clogging due to debris. You will also need 2, $\frac{3}{4}$ to 1 inch bushings and 2, 1 inch PVC couplers. The filter is now ready to install. (See picture below)



- 2.** If you use a hose we recommend a $\frac{3}{4}$ inch hose. You can connect the hose to the (hose to pipe fitting) on the filter (see below) then on the other side of the filter you would have your PVC connection to go into the raised bed.



- 3.** You MUST install an anti-siphon device for the water to drain properly from the AquaJet. We recommend the DIG solar timer with valve and anti-siphon or you can use the manual watering valve with anti-siphon as seen below.



- 4.** Make a 4 inch trench right down the middle of the raised bed. This will be the trench the AquaJet will lay in.



5. Install a single PVC water source. This should be installed right in the center of your raised bed



Or install a hose to the filter with the PVC going into the bed. See picture below.



- 6.** The bottom of the PVC El should be 3 inches below the surface (soil). The AquaJet Adapter will then be 4 in below the surface because it hangs down lower than the PVC el



- 7.** Mark a line in the center of the PVC el and the top center of the AquaJet this way the AquaJet will be straight up and down and the spray will be parallel with the ground. (See illustration below.)



- 8.** After you glue the PVC el to the PVC you are ready to glue the AquaJet adapter to the AquaJet. You are now ready to glue the AquaJet with the Adapter and Coupler on each end into the el or onto the 1 inch PVC depending on the size of el you are using. If you use the 1 to 1-1/4 inch el then the adapter will glue right into it, if you use the 1 inch elbow then you will use a short piece of 1 inch PVC to glue the Adapter to the el (See illustration below). Make sure you line up the two lines you made so the system will be straight up and down and the water spray will be parallel to the ground.



- 9.** Now you are ready to glue the second piece of AquaJet into the coupler. Prop the AquaJet up with a board or PVC out of the trench so you do not get any dirt in it while you are gluing onto the AquaJet. First put a thin layer of glue all the way around the AquaJet.



- 10.** After you put the glue on the top and sides of the coupler (see below) and the AquaJet you need to push the AquaJet into the coupler and hold it for 5 seconds so it does not slide off.



- 11.** Repeat these steps for each length of AquaJet

After you get to the end of the bed and you have glued the last piece of AquaJet let the glue dry for a couple of hours. **Do not glue the Adapter/End cap on yet.**

- 12.** Prop the AquaJet up out of the trench by placing a piece of PVC or a board under it at the end of the bed. Now you are ready to flush the system to clear it of debris or dirt you may have gotten in the AquaJet during installation. Run the system for a few minutes and then turn the water off and dry the end of the AquaJet.



- 13.** Glue the round end cap to the Adapter. It now becomes the Adapter/End cap. Glue the adapter/End cap on the end of the system and set it in the trench. Let the glue dry and you are ready to test the system. Turn it on and make sure all the jets are emitting water. After you have tested the system it is now time to cover it up with the soil.



- 14.** After you have covered the AquaJet it is now time to hydrate the soil. First water on top with a hose and soak your soil completely. Now turn on the AquaJet again to continue hydrating the bed.



Now you are ready to plant your Fruits & Vegetables. If you plant seeds we recommend watering on top for the first few days.

Please visit & subscribe to our You Tube Channel where we have videos that will help with your installation of the AquaJet.

<https://www.youtube.com/channel/UCjf1qmrp1qqwGXPevo35dQ>



INTELLIGENT IRRIGATION LLC

