

INSTALLATION INSTRUCTIONS FOR THE DEVICE (PIPE)

FAILURE TO FOLLOW THESE INSTRUCTIONS WILL VOID ALL GUARANTIES OR WARRANTIES.

There are 2 ways to install the Kyminasi Plant Booster device in your irrigation system:

1. Direct plumb method.

Parts you will need:

- Hacksaw, pipe cutter or reciprocating saw (recommended)



Reciprocating Saw

- **Threaded female adapter** - schedule 40 or 80 PVC (2). Size of adapter should match the size of the Kyminasi Plant Booster device. **Do not use tools on the device itself and avoid twisting the device as twisting may displace the micro-transmitters inside the device/pipe which will render the device inoperable.**

You can also use a “step-up” adapter to convert from the size of the Kyminasi Plant Booster to your pipes if needed, as long as you don’t exceed the water flow rate requirements of the purchased system.

- PVC glue
- Plumber’s tape
- Sealing compound for threaded steel (ask your hardware or plumber’s supplier. This helps seal the PVC to the steel threads to prevent leaks).



1. To directly plumb the device into your irrigation system, locate a section of pipe approximately 4-5 inches in length. **Always install the KPB system after any ionizers, injection systems, filters, etc.** (see picture below) This may not always be possible. Ideally KPB should be the last input in the water before it goes to the plants. Follow recommended flow rates for the size of pipe you are using. It is recommended that the device is installed in a horizontal orientation, **with the red line of the label facing downward.**



To get the correct length to cut from your PVC, screw both female adapters onto the Kyminasi Plant Booster device and measure where the flat (non-threaded) section starts on each side. This will give you the total length needed to cut out of your system.

2. Turn off the water to the irrigation system.
3. Using a saw or pipe cutter, cut out a section of pipe according to your measurements. If needed, lightly sand or burr out the cut edges to smooth off the sides.
4. Apply plumber's tape to the threads of the Kyminasi Plant Booster device in a counterclockwise motion 3 times around the threads from the edge to the base. Apply sealing compound around the outside of the tape around the threads and screw the female PVC adapters to the device, ensuring a snug fit.
5. Apply PVC cleaner around the inside smooth side of the PVC adapter and around the outside of exposed end of the pipe in your irrigation system.
Tip: before gluing, try to ensure the pipes on both sides are level to avoid uneven pressure on the top or bottom glue joints.
6. Apply PVC glue to the inside of the smooth side of the female adapters and around the outside of the pipe in your irrigation system.
7. Quickly push the PVC adapters onto the irrigation pipe, using a twisting motion as you push to firmly seat the adapters all the way onto the pipe for both sides.
8. Once cement is dry, turn on the water to the irrigation system and test out all zones. It is recommended to turn the pressure on slowly at first and let the pressure build in the pipe. Make sure there are no leaks around the device.

IMPORTANT

Ensure that **the red line** on the Kyminasi Plant Booster enclosure or the PVC strip under the security straps **is facing downward when fully tightened on the pipe**. Best method is to twist with a back-and-forth motion until glue starts to set, then align the red stripe or PVC strip along the bottom. Once glue is set and a tight fit, allow the glue to dry for at least 5 minutes (15 minutes or longer is recommended).

If you prefer a less permanent installation, you can use pressure couplings to secure the Crop Booster to the irrigation pipe (see image above). This allows you to remove or replace the Crop Booster without cutting the pipe each time. Consult your hardware or irrigation specialist on the use of these couplings.

2. Screw on method

If you have a threaded nozzle or hose fitting, you can just screw the Kyminasi Plant Booster device right onto your pipe or hose. You may need **a female adapter that is threaded on both sides if you have a male thread on your hose or faucet**. Wrap the plumber's tape over the threads 3 times to ensure a water-tight fit.