

Bifarm AeroKit - Installation and Setup Instructions v1.1

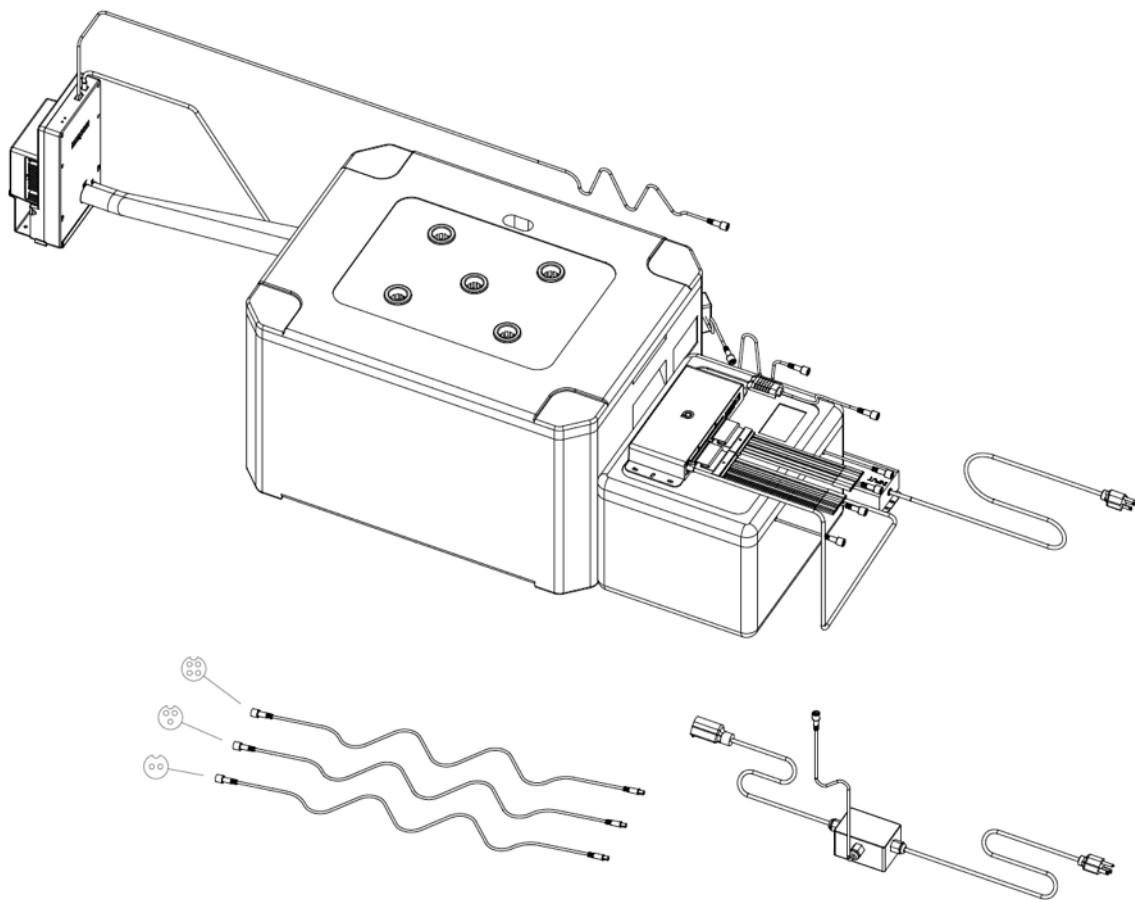


The Bifarm AeroKit requires basic installation and setup before use. Please read and understand the instructions below before beginning this process.

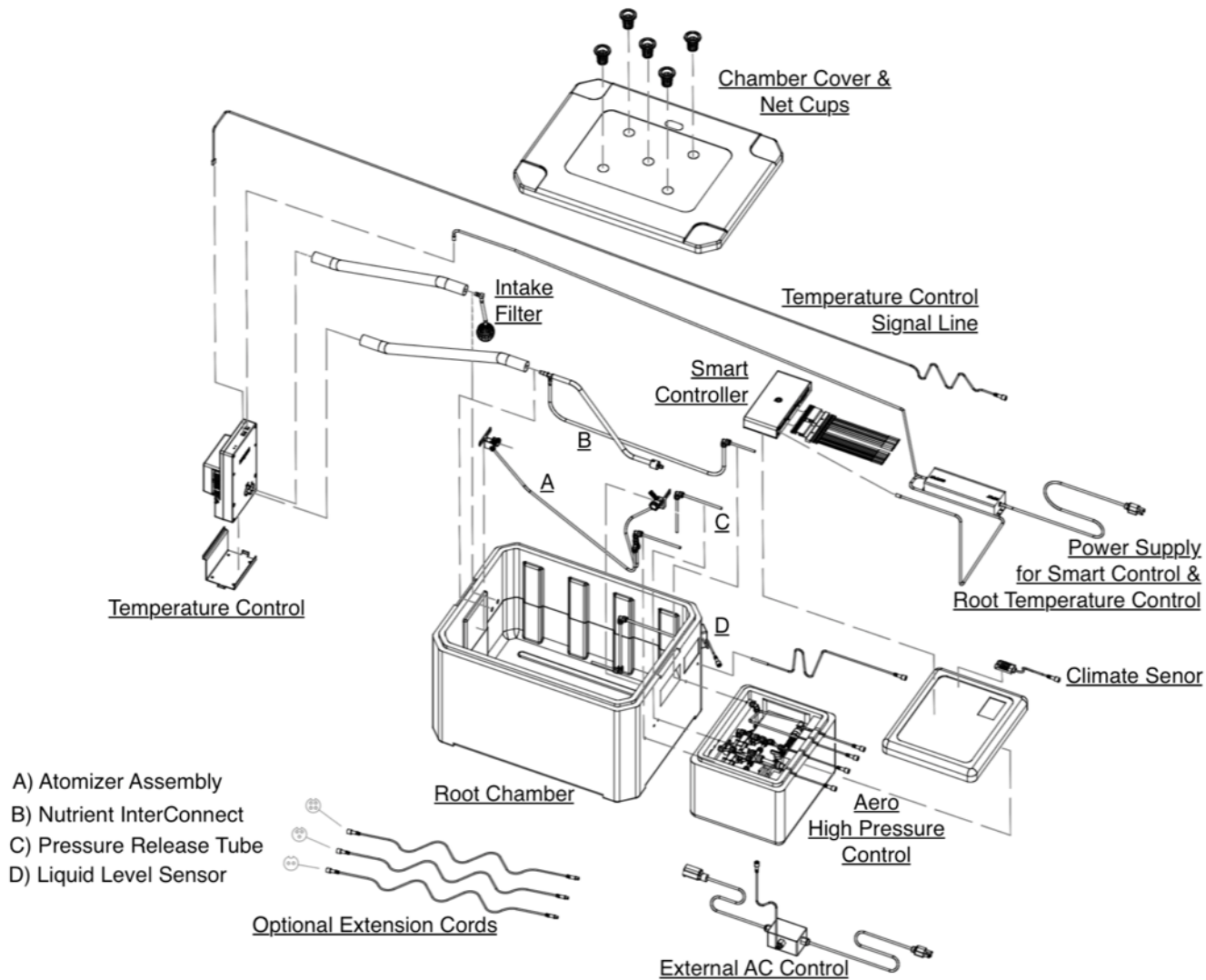
Required tools:

- Medium Philips head screwdriver
- Duct Tape

Assembling Instruction Video: <https://youtu.be/8GAtJqxVfvk>

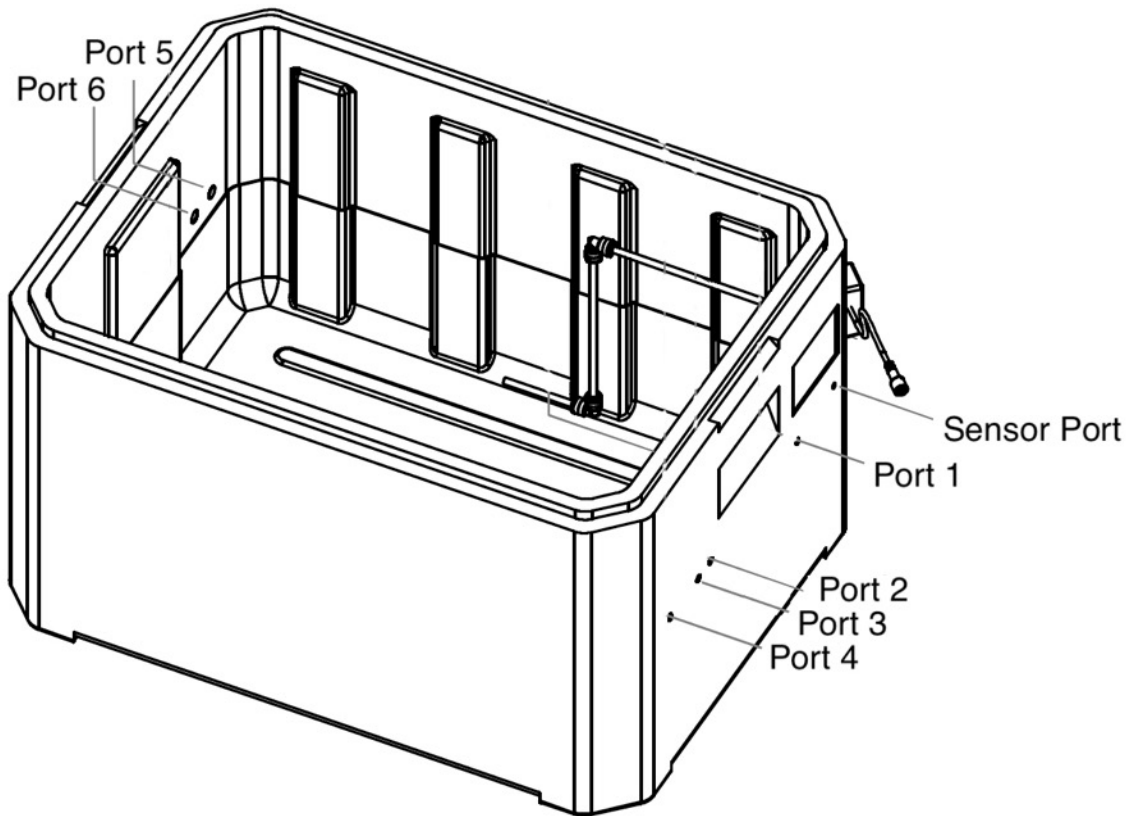


Completed Installation



Parts Diagram

Orientate the root chamber correctly according to the following diagram:



- The left side will have two capped ports
- The right side will have four capped ports

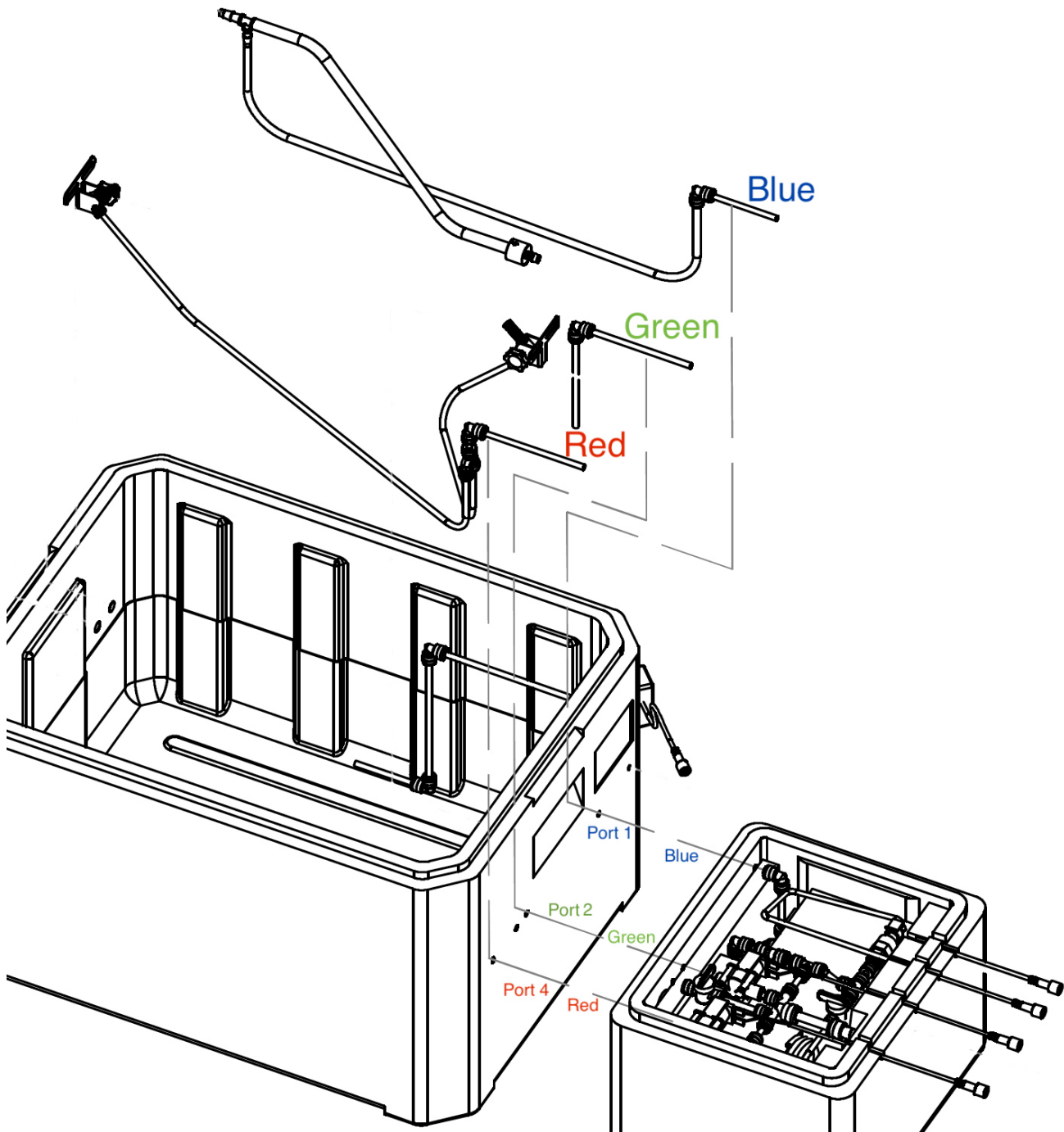
Remove the ports by popping them out with a screwdriver. Port 3, should be left untouched. Keep the cap in for Port 3 (Future Use).

The liner located in the root chamber should be taped along the perimeter using duct tape. This prevents moisture and water being collected beneath the liner.

Attaching the pressure system:

The Aero high pressure regulator is contained within the smaller container. It connects to the root chamber using three white tubes pressed through the root chamber wall using the pre-configured ports.

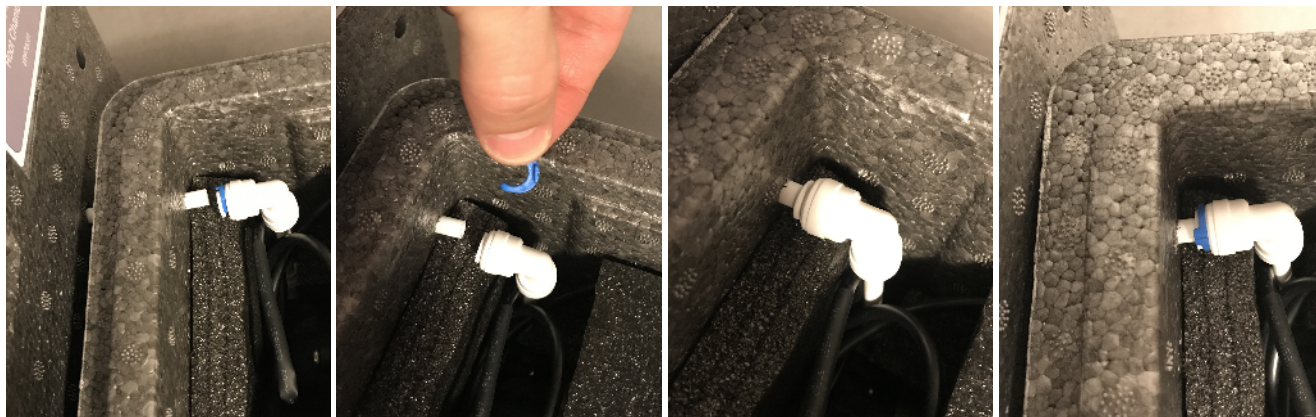
Diagram:



Place each of the pressure tube assemblies through the correct port from the inside of the root chamber. Ensure all connections are secure (approximately $\frac{3}{4}$ inch), use blue locking clips for Ports 1, 2 and 4.

Port 1 is color coded with blue tape.
Port 2 is color coded with green tape.
Port 4 is color coded with red tape.

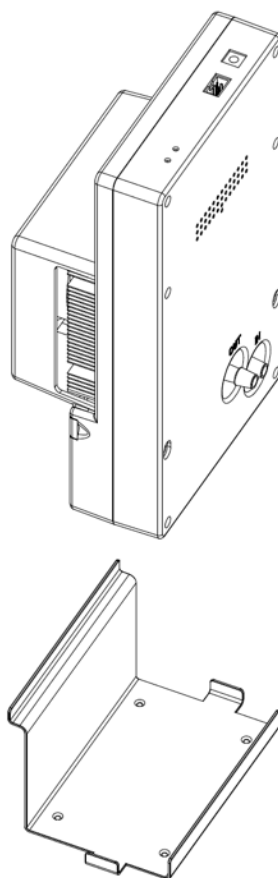
Carefully thread the tubes into the ports and push the chamber and box together. It is important that the connections are tight and secure. Follow the following steps when connecting. Press the tube all the way into the fitting. Insert a blue locking clip and squeeze firmly into place to secure the connection for Ports 1, 2 and 4.



Attaching the Root Temperature Control (Ports 5 and 6)

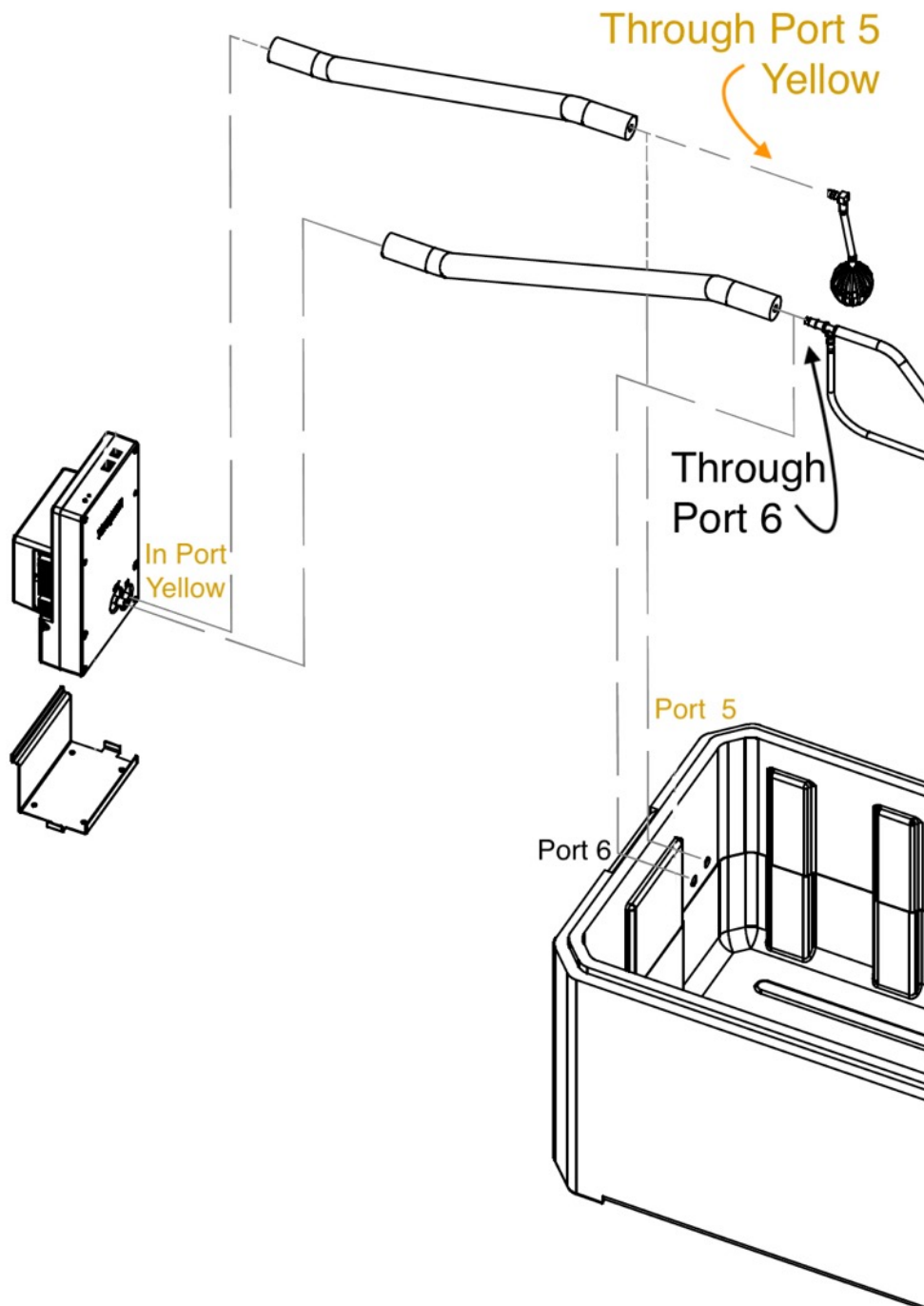
Place the root temperature control on the stand.

- Orientate the stand onto the bottom of the control



Note: The root temperature control needs to be placed at the same level as the root chamber. Do not place this unit elevated or lower than the root chamber.

Connect the intake tube



- Using the tube insulation for Ports 5 and 6
- Port 5 is color coded with yellow tape.
- Port 6 is not color coded.



Connect the Temperature Controller Unit Wire Extension. The cable fastener can be put in backwards! Carefully line up the triangles on both the cable and the Unit to assure the correct orientation when inserting the cable.



Root Temperature Sensor

- First remove the cap covering the sensor port from the right side of the root chamber



- Insert the metal end of the sensor from the outside into the chamber port

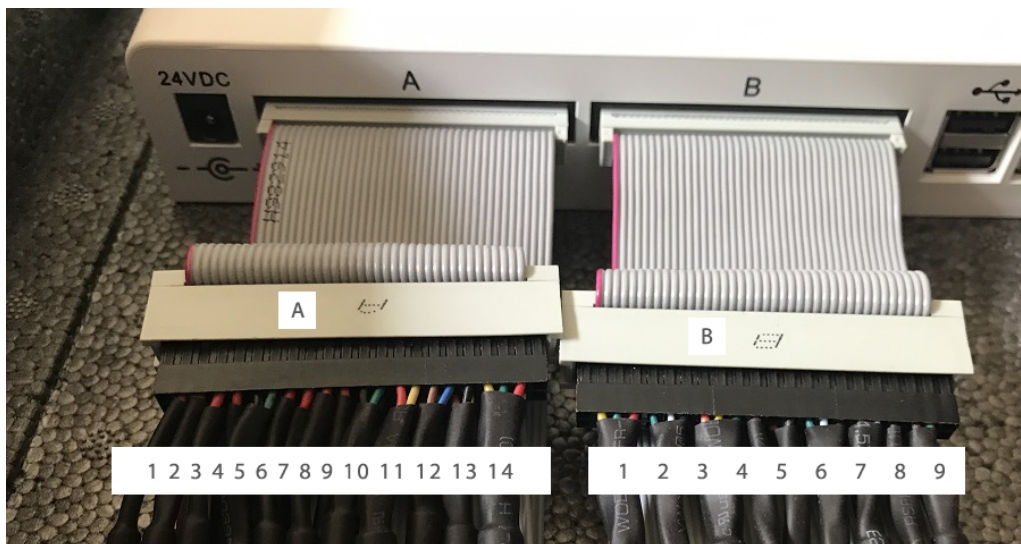


- Press the sensor complete through the hole. Pull enough so that the tip of the metal touches the inside bottom of the chamber.



Setting up the controller

Place the Main Controller on top of the pressure control box.



Connect wires via color coded tape.
Firmly press cables together and use the screw lockdown to secure

Connect the following components to their correct cable on the Harness:

Name	Cable Number	Pins	Color
Atomizers	connects to A 2	2	RED
Pressure Release Valve	connects to A 4	2	GREEN
Pressure Pump	connects to A 5	4	BLUE
Pressure Sensor	connects to A 11	3	WHITE
Temperature Control Unit	connects to A 12	4	YELLOW
Root Temperature Sensor	connects to A 13	3	BROWN
AC Power Switch (light control)	connects to B5	3	WHITE + PURPLE
Temperature and Humidity Sensor	connects to B8	3	PURPLE
Nutrient Level Sensor	connects to B9	4	WHITE + BROWN

Note:

The cables coming out of the pressure box from the back to the front are the Pump, Pressure, Atomizer 1 and 2

Setup the power supply

The power supply has two plugs. Connect one to the controller and one to the temperature manager.

Status Light Key

Light status	Operation mode
Fade in	Booting
Solid	On registered
Slow blink	On not registered
Fast blink	Identify unit
Fade out	Maintenance
Cycle fast blink and solid	Warning