HydroShroom™

THE WORLD'S FIRST HYDROPONIC MUSHROOM GROWING SYSTEM

Congratulations on your purchase of the HydroShroom Mushroom Growing System!

You have just purchased the most advanced, efficient and easy-to-use mushroom cultivation kit available on the market today. Follow these setup instructions and you'll be on your way to growing big juicy mushrooms in no time!

YOUR HYDROSHROOM PACKAGE SHOULD CONTAIN:

Grow Chamber with Built-in Light (x1)

Clear Air Flow Tubing (x1)

Submersible Electric Water Heater (x1)

Digital Thermometer with Probe (x1)

Oxygenation Pump (x1)

Pre-sterilized Substrate Jars (x6)

Green Air Stone Filter (x1)

Nutrient-Enriched Hydroton (3.5 Liters)

FOR SUPPORT AND SUPPLIES VISIT WWW.HYDROSHROOM.COM

1 CLEAN AND STERILIZE YOUR SURROUNDINGS

Wash and sterilize your hands before working with the Hydroshroom's components. If any part of the **HydroShroom** system comes in contact with unwanted bacteria, your mushroom ecosystem may become contaminated and compromise the health of your mushrooms.

***Spore syringe inoculation through the mesh filter.**

Before Injection (Uncolonized)

After Injection (Fully Colonized)

2 PREPARING YOUR MUSHROOM SUBSTRATE CAKES

Before setting up your **HydroShroom**, it is assumed that you have already injected the provided mushroom substrate jars with edible mushroom spores and the cakes are colonized with mushroom mycelium. **EDIBLE MUSHROOM SPORES ARE NOT INCLUDED with the HydroShroom.**

The substrate jars come PRE-STERILIZED. All you need to do is inject 1.5mL - 2.0mL of spore solution into the jars through the mesh filters. DO NOT inject any more solution than that!*****

After approximately 2 weeks, the specialized substrate inside the jars will transform into a milky white substance. The milky white substance is called “mycelium”. When all of the substrate has become overrun with white mycelium, your cakes are ready to be placed inside the **HydroShroom**!

Your HydroShroom grow chamber can temporarily serve as a jar colonization incubator! Fill the grow chamber with the hydroton and enough clean water to fully submerge the electric heater (see Step 5). Set the heater to 86° degrees Fahrenheit or 30° Celsius (see Step 6 for an example on how to set the heater). After you inject edible mushroom spores into your jars, place the jars into the grow chamber on top of the hydroton. Place the grow chamber and jars in a DARK PLACE for the duration of the colonization process (10-20 days). You may place the chamber in a garbage bag to simulate darkness.

Growing Your Mushrooms

YOU WILL NEED:

Clean Water

Plastic Wrap

Colonized Mycelium Cakes

You can use as many cakes as you want without crowding the grow chamber.

3 SETTING UP THE HYDROSHROOM ECOSYSTEM

Place the empty HydroShroom grow chamber on a table or surface in a clean area without too much light. You’ll need to be near a wall outlet with multiple free outlets. If there aren’t enough outlets, you’ll need a power bar or extension cord.

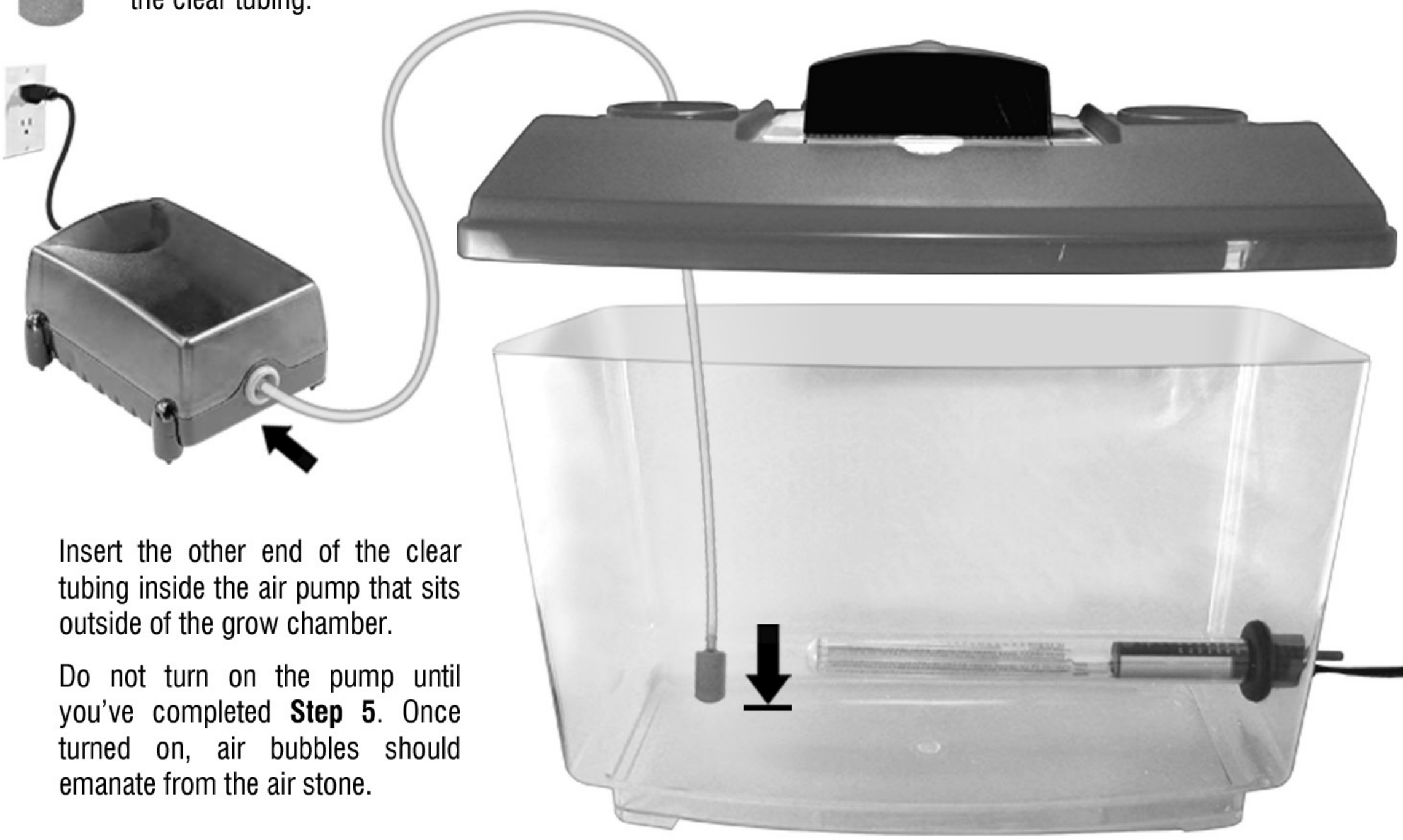
DO NOT plug in the heater until you’ve completed **Step 5**! The heater will burn out if it’s not fully submerged in water.

4 INSTALLING THE AIR FLOW PUMP

Remove the **HydroShroom**'s lid. At the top left side of the lid, there will be a small circular opening for the clear tubing to pass through. If necessary, puncture the plastic pins and push the tubing through the hole.

Push the air stone filter down inside far enough to **touch the base** of the grow chamber (it will be submerged in the water and hydroton).

Once the tubing is pushed through the lids' hole, attach the air stone filter by inserting it into the clear tubing.



Insert the other end of the clear tubing inside the air pump that sits outside of the grow chamber.

Do not turn on the pump until you've completed **Step 5**. Once turned on, air bubbles should emanate from the air stone.

5 HUMIDIFICATION MEDIUM

Add the 3.5 Litres of nutrient-enriched hydroton rocks to the **HydroShroom**'s grow chamber. The electric heater and air stone should be submerged in the nutrient-enriched hydroton.

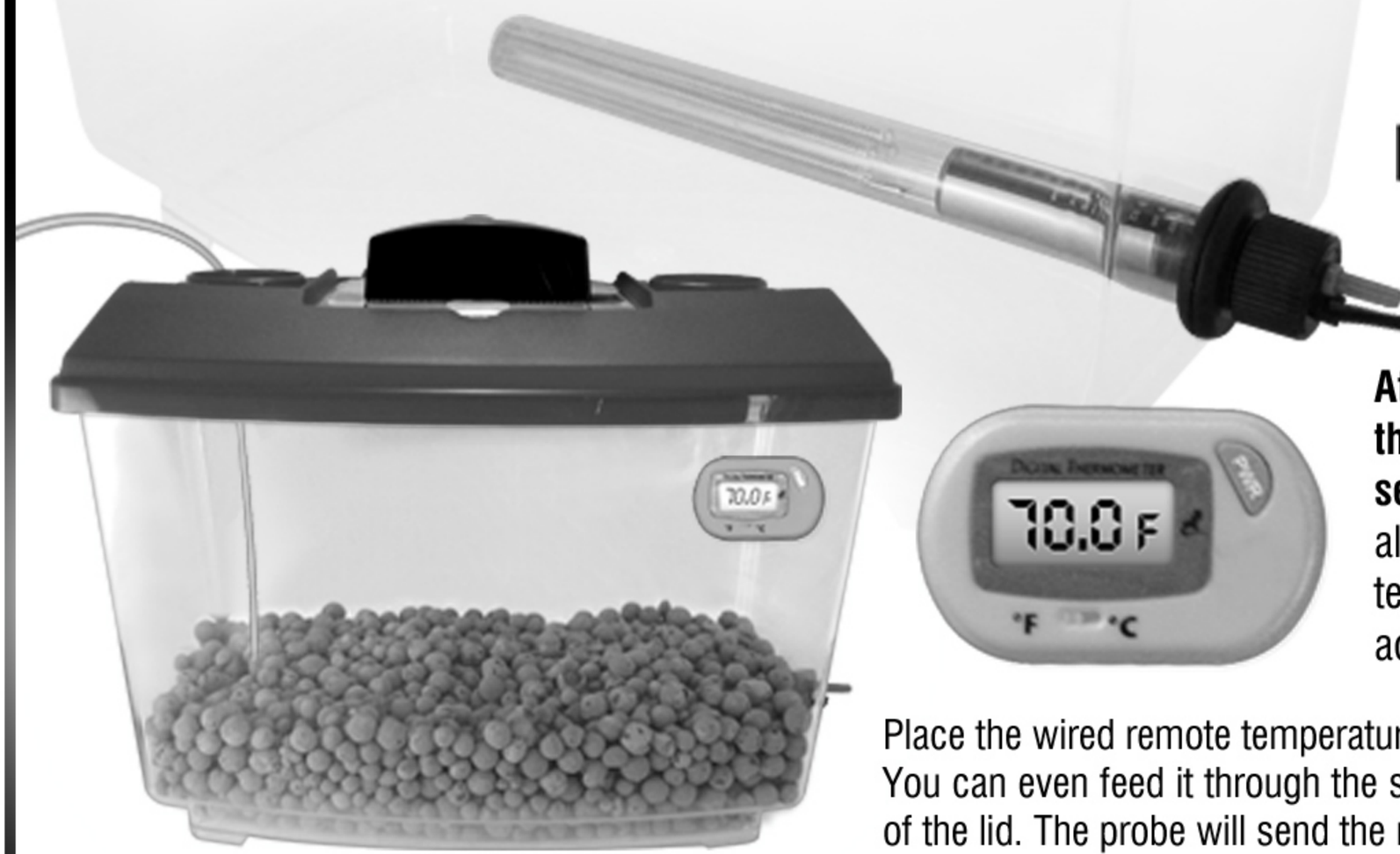
Fill the grow chamber with water right up to the top of the hydroton. The water should sit just below the top layer of the hydroton.

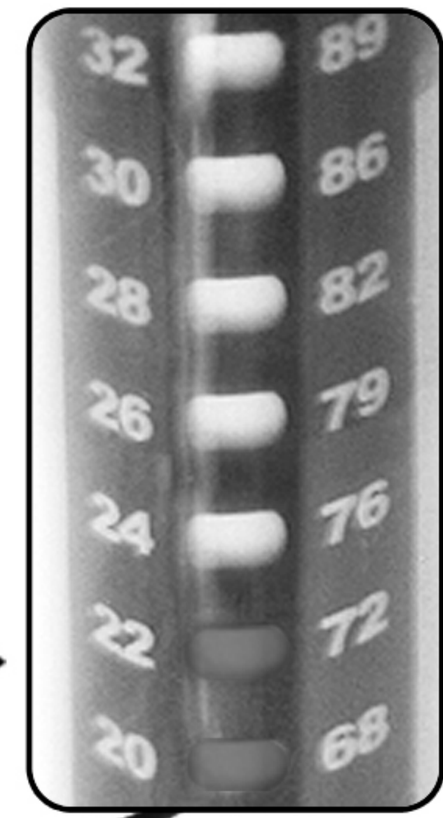
FILL WITH WATER UP TO THIS LINE

6 SETTING THE TEMPERATURE

Set the temperature on the electric heater to 70-71° degrees Farenheit (21° degrees Celsius).

Throughout the course of the growing cycle, do your best to maintain this temperature with minimal fluctuation.



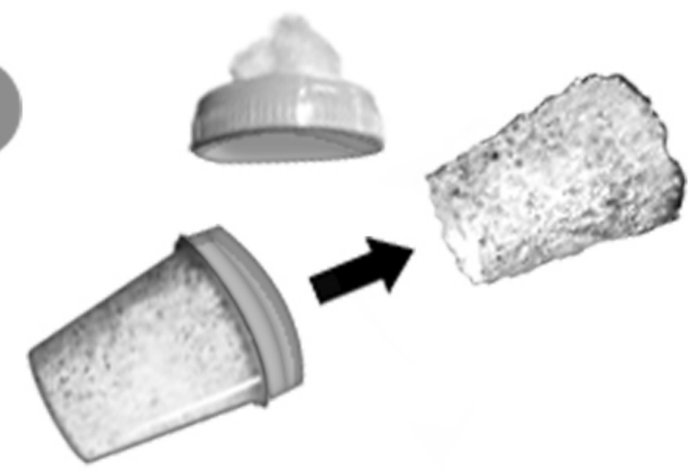


Attach the digital thermometer to the HydroShroom where you can see it clearly. The thermometer will allow you to carefuly monitor any temperature fluctations so you can adjust the heater accordingly.

Place the wired remote temperature probe inside of the grow chamber. You can even feed it through the second circular hole on the right side of the lid. The probe will send the most accurate readings to the guage.

7 PLACING THE CAKES AND FRUITING YOUR MUSHROOMS

When your substrate cakes are fully colonized with mycelium, it's time to remove them from the jars and place them inside the HydroShroom. Remember to ensure that your hands and surroundings are sterile when handling your colonized cakes.



Place the colonized mycelium substrate cakes directly onto the top layer of hydroton. It's okay if water touches the base of the cake. Arrange the colonized cakes in such a way that there is adequate room for mushrooms to grow.

To help trap humidity inside the **HydroShroom**, place a humidty tent (or plastic wrap) over the grow chamber's vents. The seal around the vents does not have to be tight, the idea is to simply block moisture from escaping through the top vents.

Over the following weeks, the water level will decrease due to evaporation. Whenever you notice the water level declining, simply add water to restore the level back to where it was just beneath the top layer of hydroton.

If you see condensation on the inside walls of the grow chamber, this is a good thing! Mushrooms thrive in high humidity.

During this fruiting stage, the cakes/mushrooms need regular cycles of light. **TURN ON** the mushroom light for about **SIX HOURS** per day at regular intervals. You will need to do this for as long as your cakes are fruiting.

In 1 - 2 weeks you will notice your colonized substrate cakes will enter the PINNING stage (small mushroom heads will start to form in random groupings). Your mushroom pins could mature and start to fruit in just a few days! Pick the mushrooms when the veils start to break or when you decide they are large enough. **Enjoy the fruits of your labor!**