

# Vertefarm Cleaning and Maintenance Guide

Welcome to the Vertefarm community!

To help you achieve the best results in your hydroponic garden, we've put together a guide on maintaining your Vertefarm system. Regular maintenance ensures your plants stay healthy, vibrant, and productive.

## Filter Cleaning

Over time, the water pathways in your Vertefarm may become clogged, potentially resulting in water blockages that can negatively impact plant health. One common symptom of this issue is plant wilting due to insufficient water supply. Additionally, you might observe mineral deposits at the connections between Planting Boxes or around the Water Tanks. Although these deposits are harmless, they can be easily cleaned off with a damp cloth.

The filter foam in the Upper Water Tank is vital for ensuring consistent drip irrigation to your plants' roots, which is essential for their healthy growth. The frequency of cleaning this filter foam depends on the quality of your water. It is generally recommended to clean it monthly, but if you have hard water or notice signs of plant stress, such as wilting due to inadequate water drippage, you should consider cleaning the filter more frequently to avoid clogging.

## Steps for Cleaning the Filter

- 1. Power off**

Ensure your Vertefarm system is turned off.

- 2. Access the Tank**

Carefully open the Upper Water Tank cover.

- 3. Remove Foam Blocks**

Take out the black foam blocks from the tank.

- 4. Remove the Filter**

Gently lift the filter from the tank's bottom.

- 5. Acid Soaking if Heavy Clogs**

Soak the foam blocks and filter in Citric Acid or a 1:1 Vinegar to water solution if heavy clogs. Mix citric acid in water and soak the foam blocks and filter for 20 minutes.

#### **6. Inspect and Repeat**

Check for stubborn clogs. If any remains, repeat the soaking process until clear.

#### **7. Rinse**

Clean the filter and blocks with fresh water twice.

#### **8. Reassemble**

Place the filter back, ensuring it's flat and fully covers the tank's bottom.

#### **9. Replace Foam Blocks**

Return them to their position above the filter, spacing them evenly. Make sure the center block is right under the groove connecting to the hose.

#### **10. Close the Tank**

Secure the Upper Water Tank cover.

#### **11. Power On**

Reactivate your Vertefarm system.

## **Lower Water Tank Cleaning**

With continuous use, the Lower Water Tank may accumulate debris and plant detritus, requiring periodic cleaning. The cleaning frequency depends on your local water quality as well as plant root health. Monthly cleaning for hard water areas and up to every three months for others.

### **Steps for Cleaning the Lower Water Tank**

#### **1. Access Panel**

Open the left Rear Panel of your Vertefarm, where the water pipe connects the lower water tank to the upper water tank.

#### **2. Uninstall Water Pipe**

Twist off the water pipe's tower head.

#### **3. Drain Lower Water Tank**

Press and hold the Drainage Switch located on the bottom back of the Vertefarm to empty the water from the Lower Water Tank.

#### **4. Power Off**

Turn off your Vertefarm system.

#### **5. Remove Residue**

Using a damp microfiber or cloth, completely remove all residual water and plant detritus from the Lower Water Tank.

#### **6. Refill**

Add fresh water and nutrients according to the User Manual.

#### **7. Power On**

Restart your Vertefarm to continue growing.

# Deep Cleaning

For optimal performance, a thorough deep cleaning of your Vertefarm is recommended every six months.

## Steps for Deep Cleaning:

- 1. Remove Plants**

Temporarily relocate your plants.

- 2. Empty Lower Water Tank**

Follow the Lower Water Tank cleaning steps to drain the tank.

- 3. Power Off**

Shut down your Vertefarm.

- 4. Disassemble**

Carefully disassemble your system, referring to the Assembly Guide for instructions.

- 5. Clean Parts**

Wash and dry each component.

- 6. Reassemble**

Put your Vertefarm back together, following the Assembly Guide.

- 7. Restart**

Begin your hydroponic journey anew with a clean system.

By following this guide, you'll ensure your Vertefarm remains a thriving environment for your plants.

Happy Gardening!