

# FUME FILTRATION

## User Manual



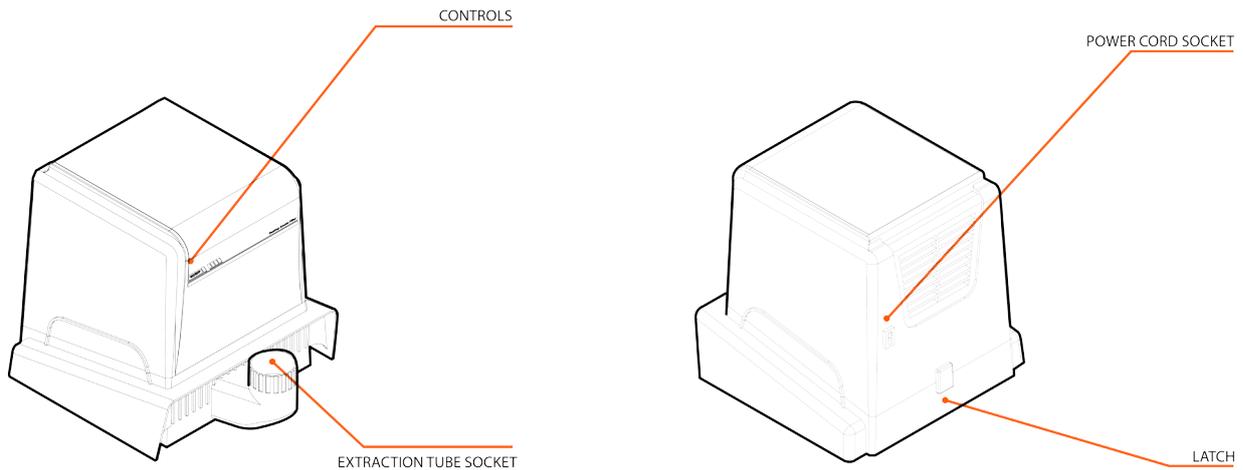
English

# 1. INTRODUCTION

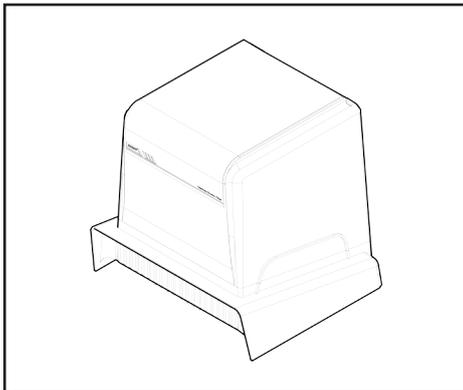
The Fume Filtration System performs two key functions; It assists the Emblaser 2's built in exhaust fan to evacuate fumes from the internal workspace as well as filtering the fumes to remove the majority of contaminants, significantly reducing air-born particles.

It is important to note that although visible contaminants are completely filtered, there will be some odor that passes through the filters. This is normal.

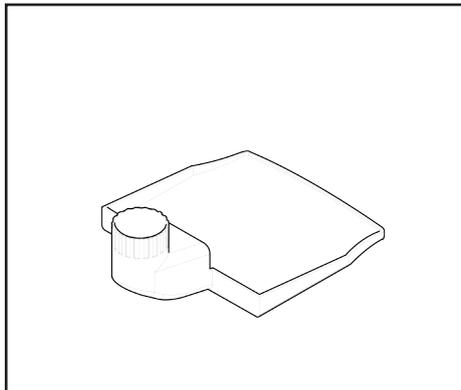
**IMPORTANT:** The Fume Filtration Unit must be turned on when the Emblaser 2 is in operation.



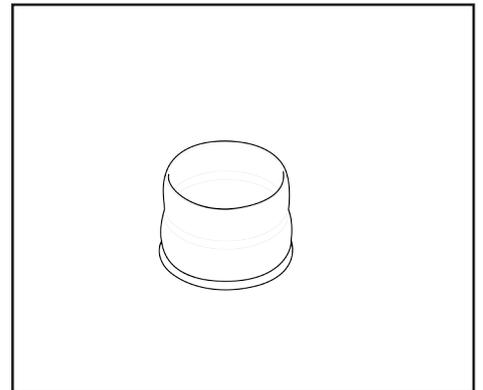
# 2. WHATS IN THE BOX



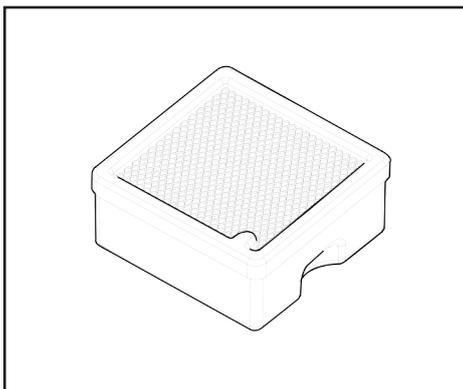
**Filtration System**



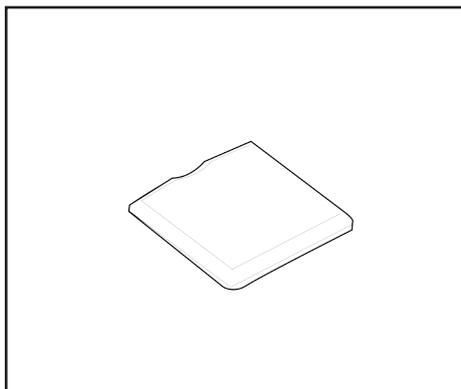
**Tray**



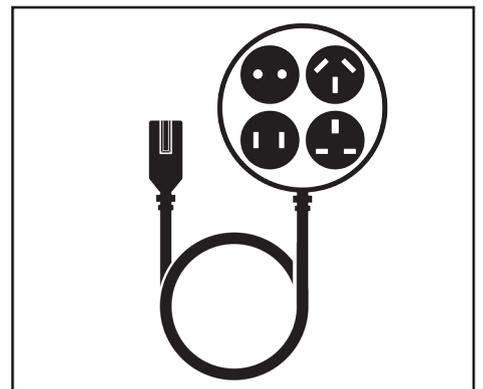
**Hose Adaptor**



**Carbon Filter**



**2x Pre-Filters**



**Power Cord**

## 3. FOR YOUR SAFETY

### **DO NOT USE WITH BANNED MATERIALS**

The Filtration System is **NOT** designed to filter toxic fumes produced from materials such as PCV, Vinyl, ABS etc. Please refer to your Emblaser 2 User Manual for more details on materials that may produce harmful fumes.

### **ALWAYS USE IN A WELL VENTILATED AREA**

Air vented from the fume filtration system is not safe to breathe, especially in high concentrations. Always ensure you use it in a well ventilated area.

#### **Do not use in wet surroundings**

Water and electricity are a dangerous combination. Ensure your workspace is dry and not subject to potential wet conditions.

#### **Never use materials containing chlorine**

Materials containing chlorine will produce extremely toxic and corrosive fumes when laser cut or engraved.

#### **Ensure your material is safe to use**

Materials react differently to laser cutting or engraving depending on their chemical or physical composition. Some materials produce harmful fumes that may not be safely removed by the Fume Filtration System.

#### **Do not operate if damaged**

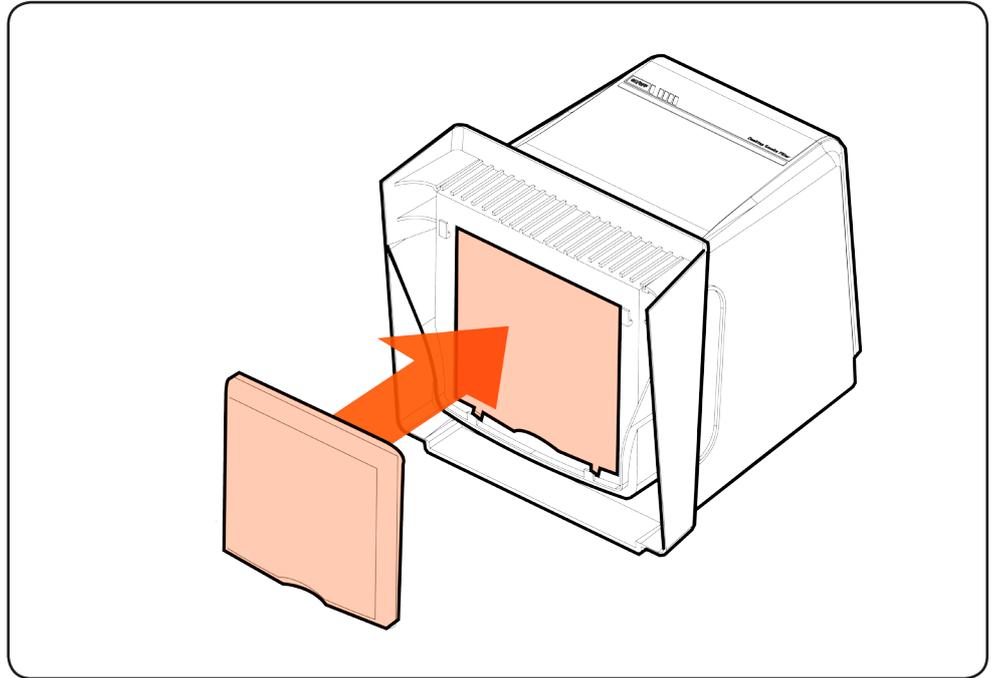
Damage to any part of the Fume Filtration System could compromise its safety and cause injury. If any part of the Fume Filtration System is damaged, contact your reseller or Darkly Labs directly before operation.

#### **Never run your Emblaser 2 unattended**

Do not leave unattended while running. If you see flame or fire - Immediately stop the machine and extinguish. Not only could a flame grow into a larger fire, its heat will cause damage to the internal mechanisms and optics.

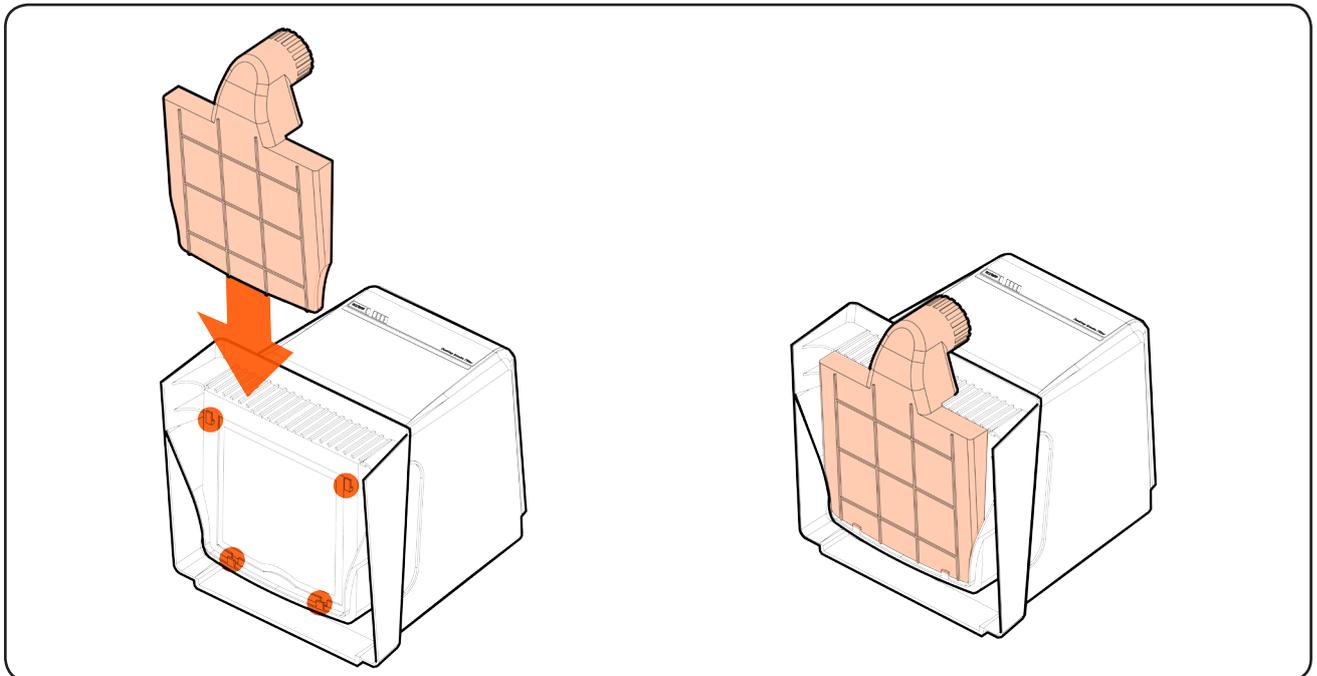
## 4. INSTALLATION

1.



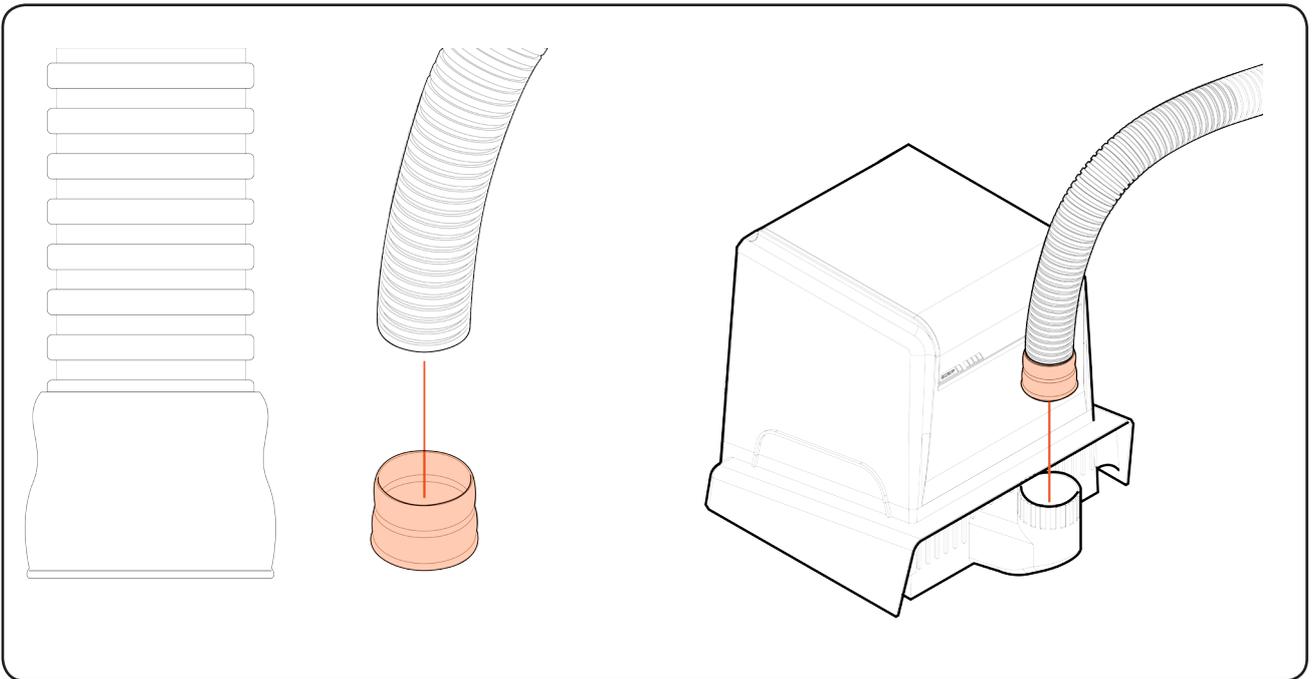
Tilt the Filtration System over so that the opening on underside is visible. Insert the Pre-Filter and tuck the edges neatly under the lip of opening.

2.



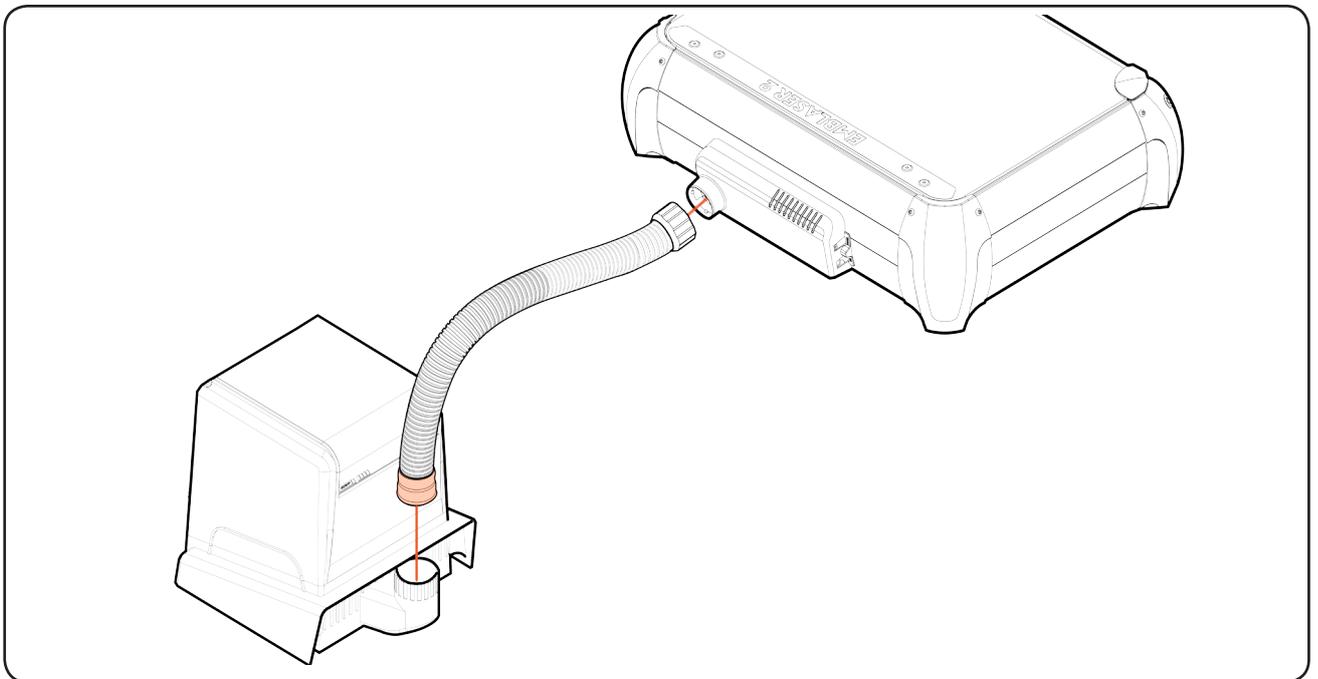
Slide the Tray into place. Take note of the four clips that must engage. If you experience difficulty installing the Tray, check to make sure the Pre-filter is not in the way.

3.



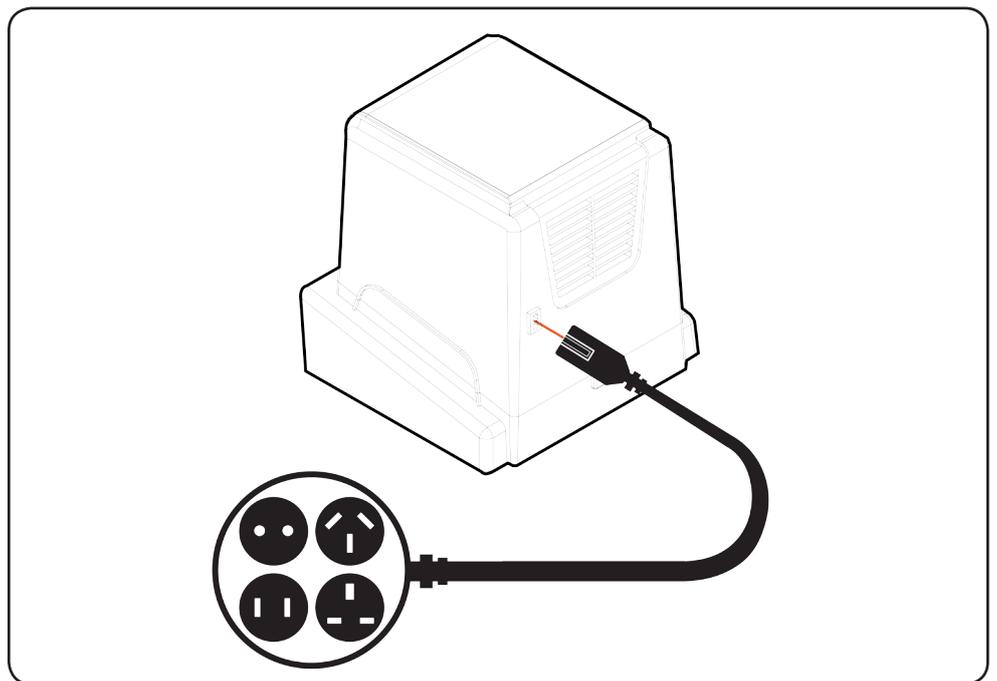
Attach the Hose Adaptor to the end of Emblaser 2 exhaust hose.  
Insert the Adaptor into the Tray. (This may require some force).

4.



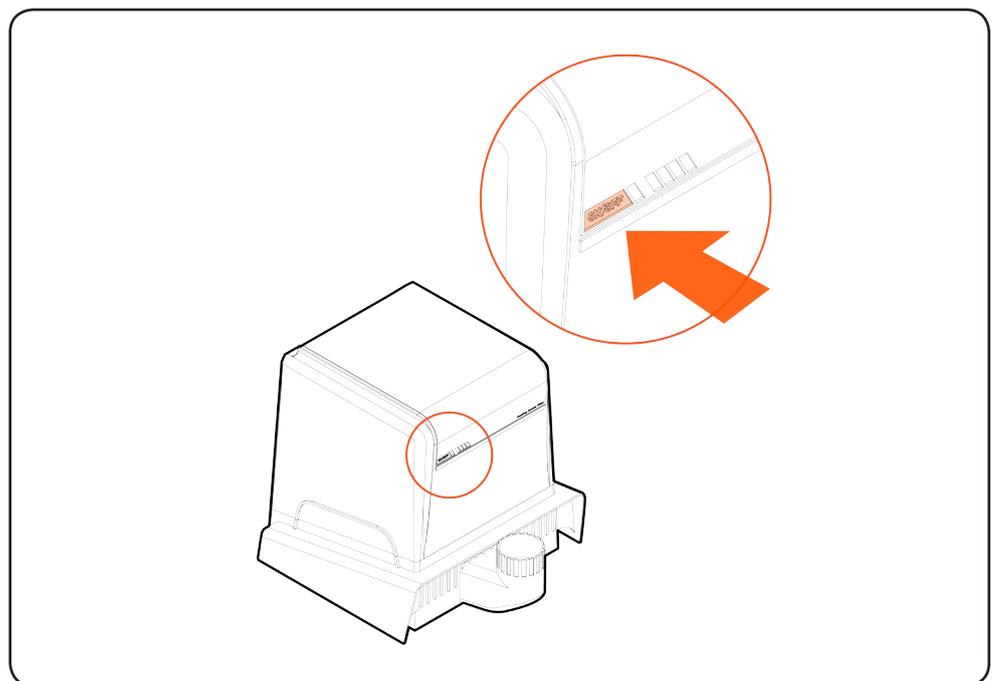
Connect exhaust hose to Emblaser 2

5.



Insert supplied power lead.

6.



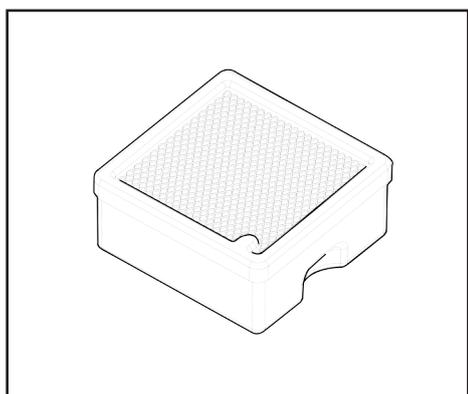
Turn the unit on by pressing the power button on the front.

**Note:** Version 2 Filtration Systems allow for 3 fan speed settings. These are set by pressing the power button sequentially to increase the fan speed.

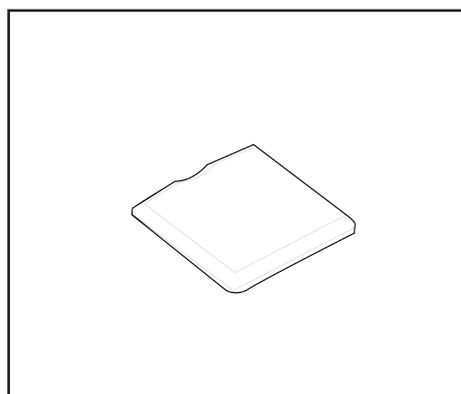
## 5. FILTER REPLACEMENT

The Fume filtration unit uses a carbon filter cartridge. With prolonged use this cartridge will become less efficient, we recommend replacing the filter every month or if filtering performance reduces.

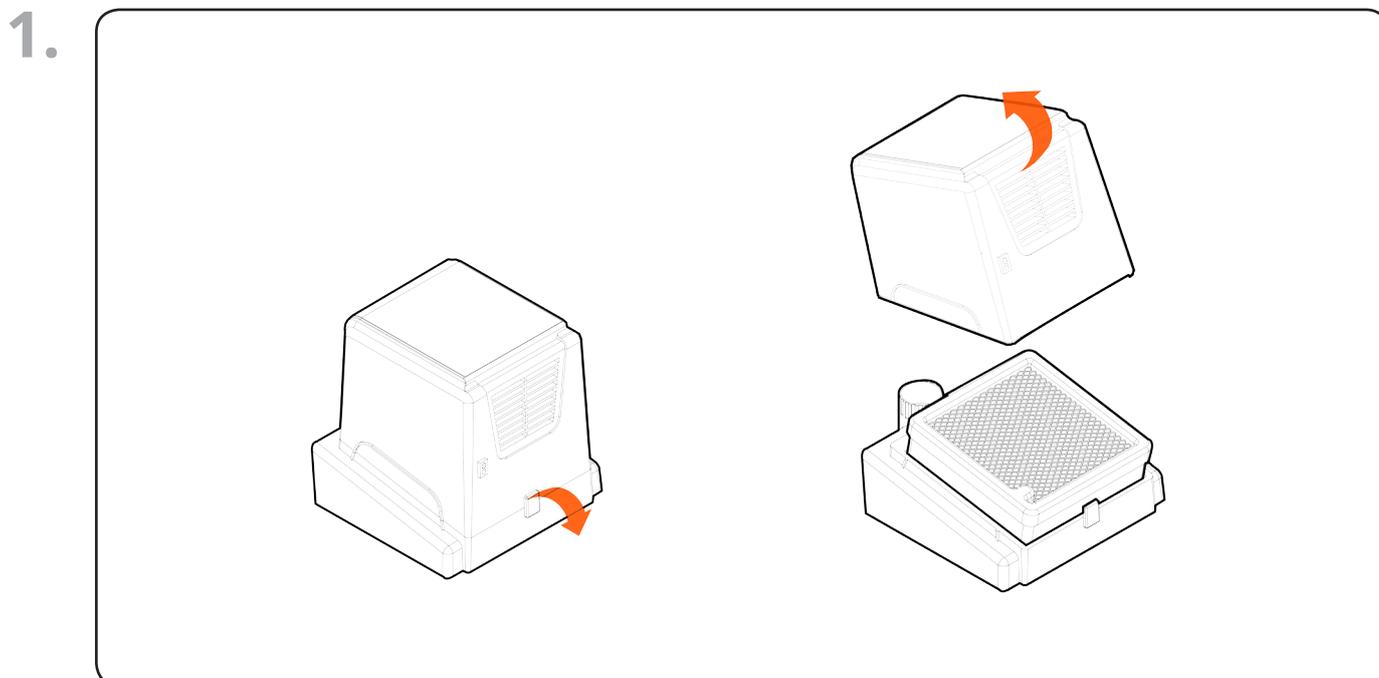
**Tip:** To prolong filter life, turn off Fume Filtration Unit when not in use.



**Carbon Filter**

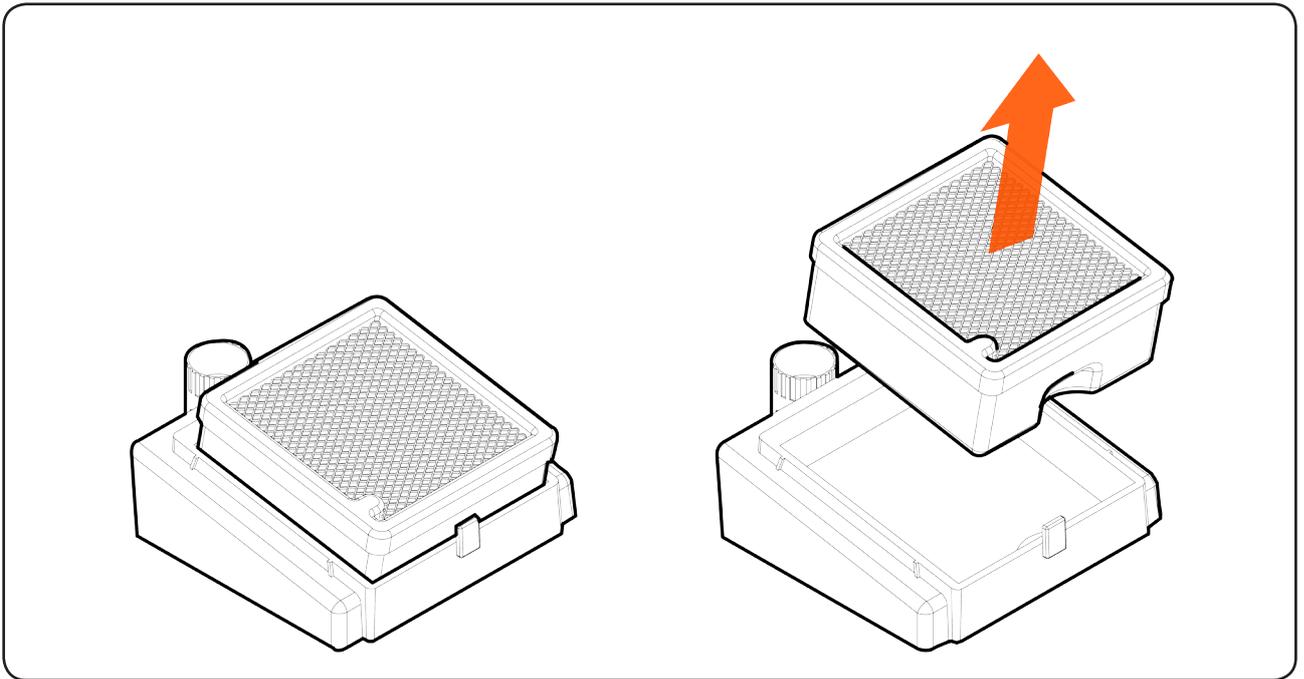


**Pre-Filter**



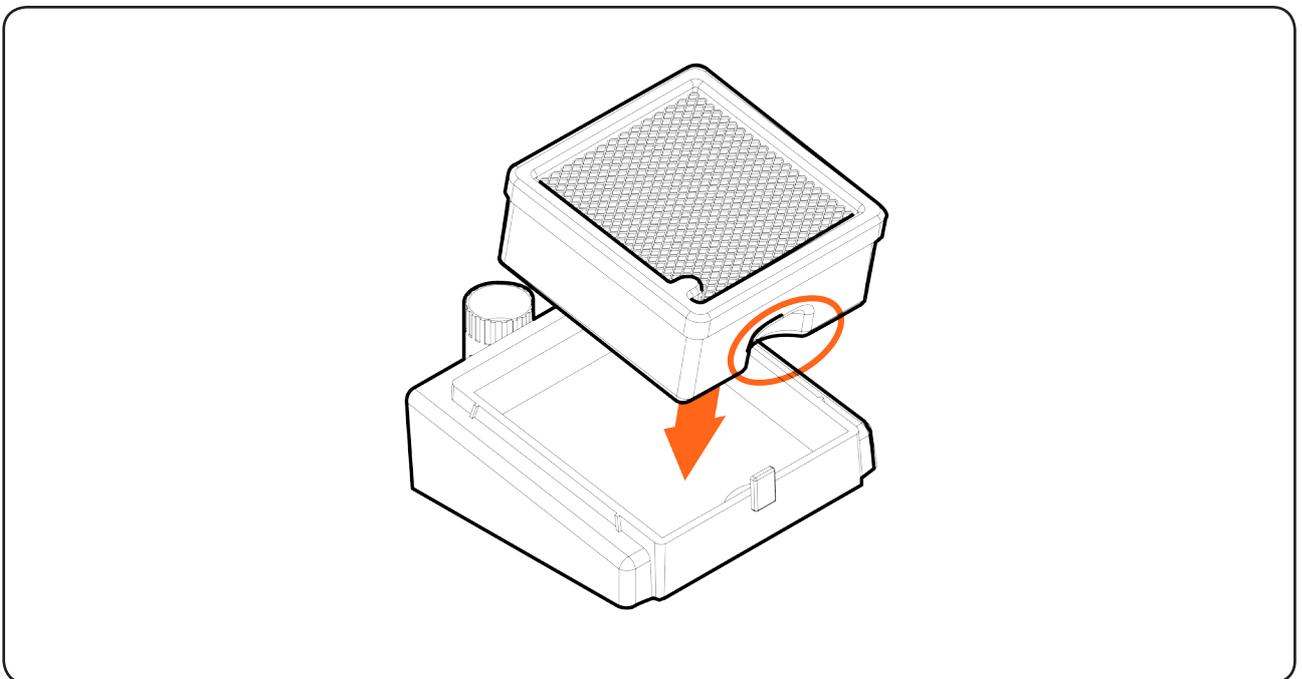
Unlatch the clasp at rear of the Fume Filtration Unit.  
Lift the upper section from base to expose Carbon Filter Cartridge.

2.



Remove the old Carbon Filter Cartridge. (This can be disposed of in conventional waste bins).

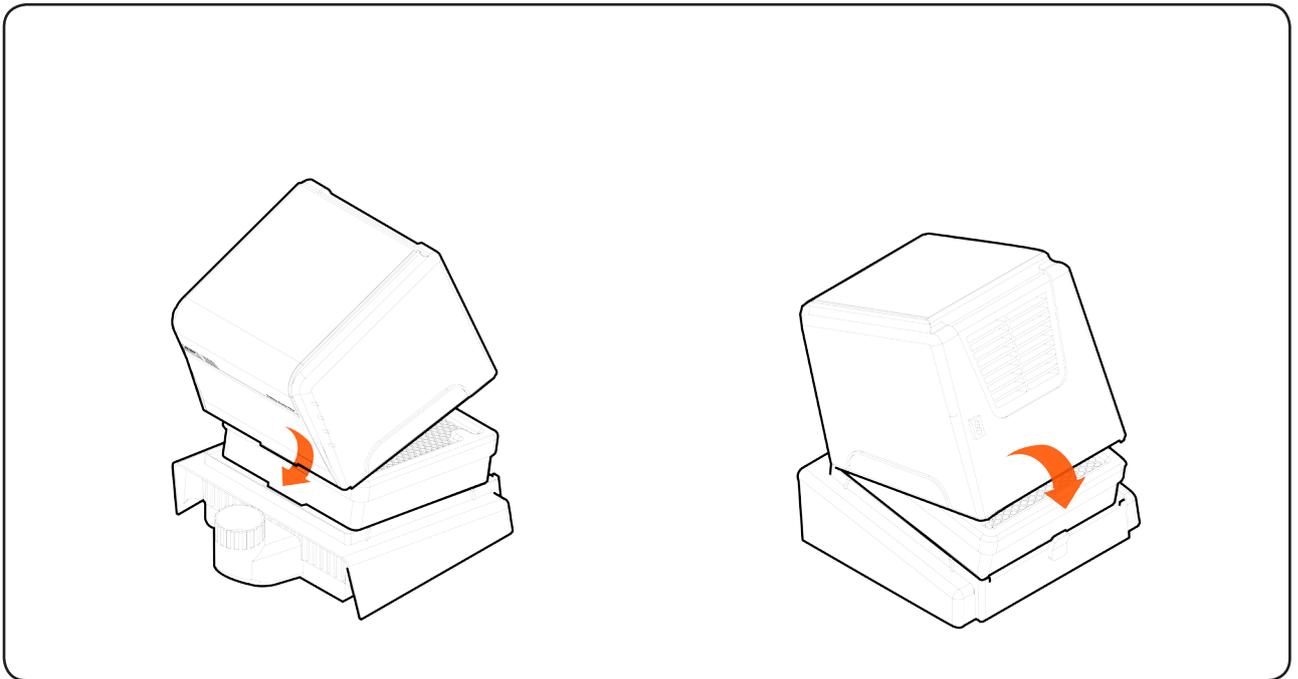
3.



Place new Carbon Filter into base

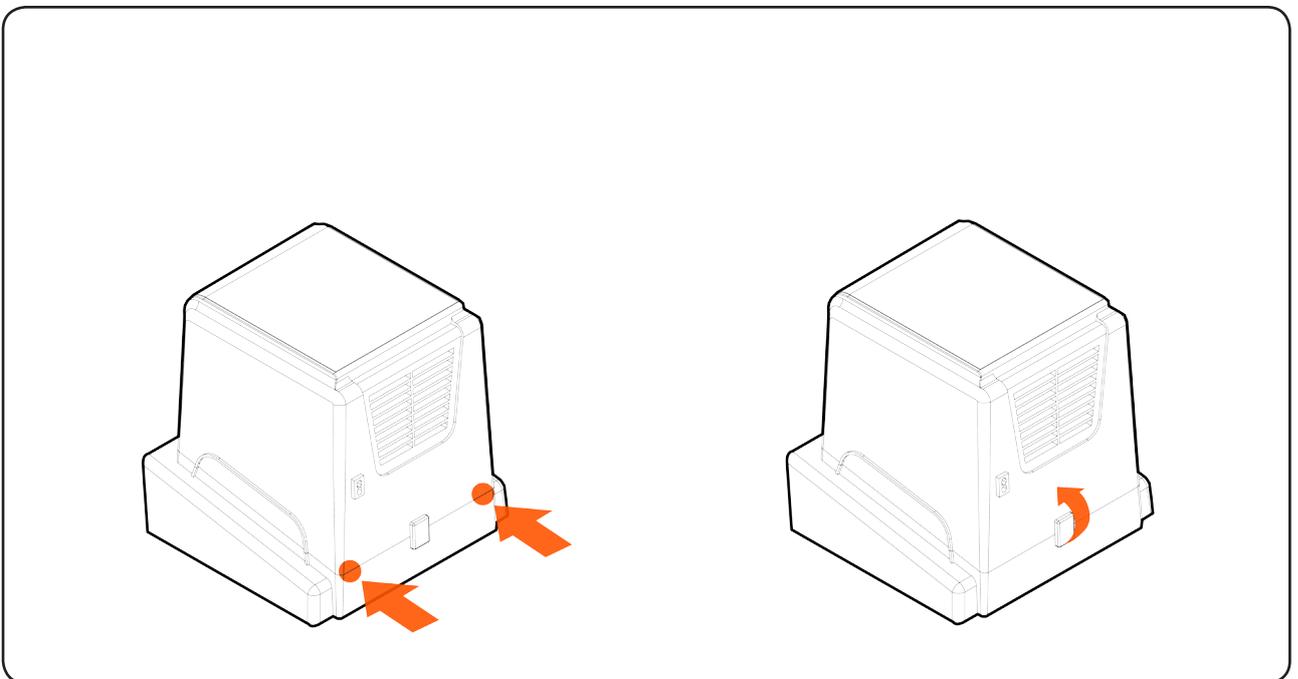
Orientate the edge with the scooped feature to face the rear of the Fume Filtration Unit.

4.



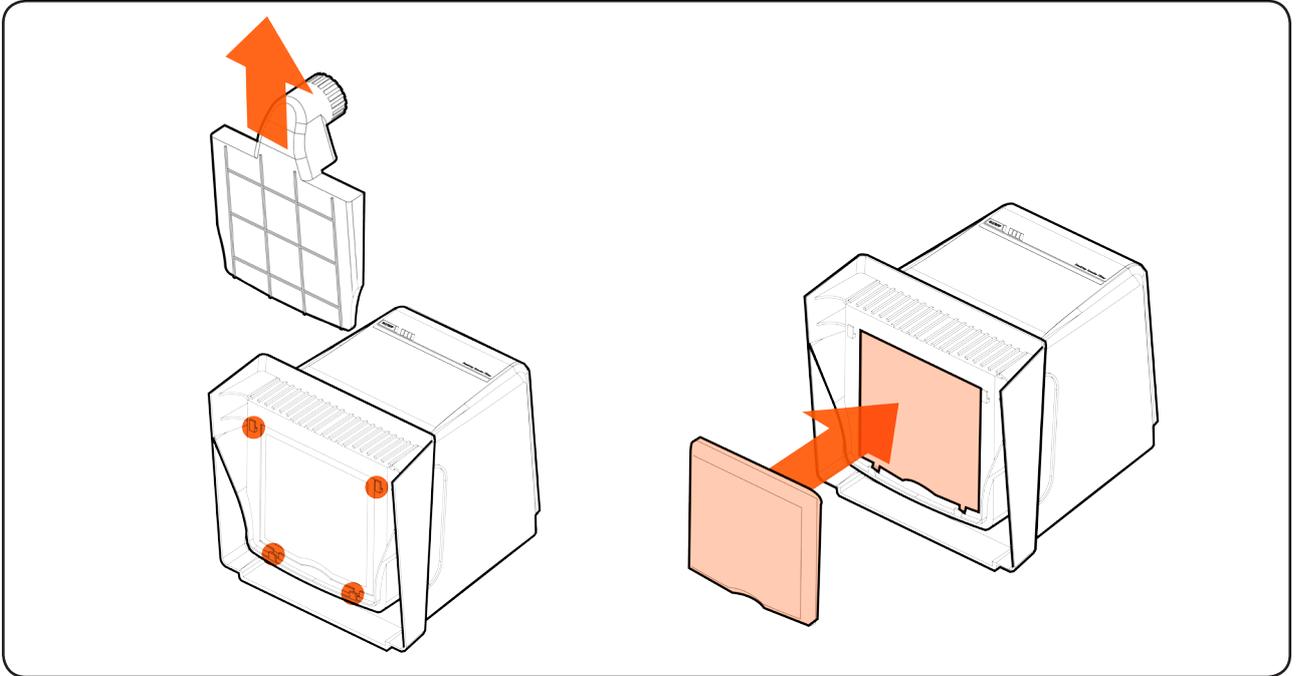
Perform the following steps to correctly reassemble the top component to the base. Locate the metal hook at the front of the top component. Engage this first. Using the metal hook as a hinge; swing the rear of the top component down.

5.



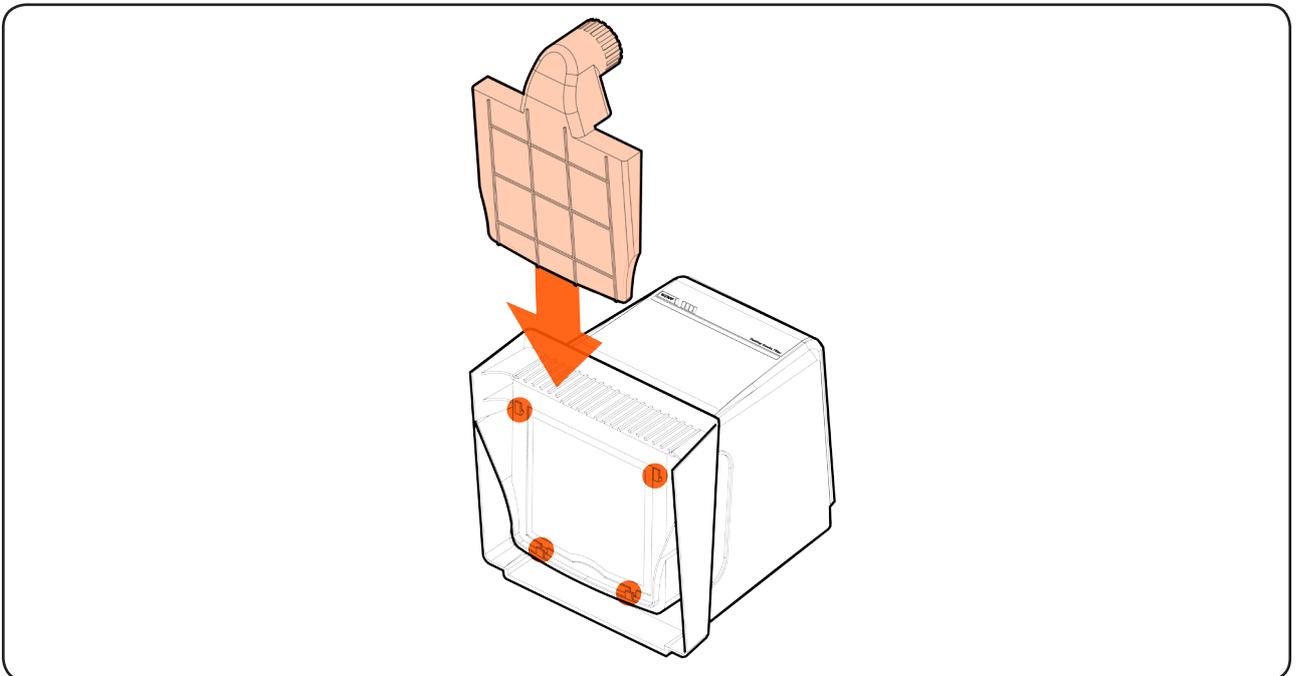
Apply pressure to the rear corners of the top component to pop the edges into place. Latch the rear clasp.

6.



Slide the Tray out. Take care not to damage the four clips retaining the tray. Remove old Pre-filter and replace with a new one. Be sure to tuck the edges of the new pre-filter neatly under the lip of the opening.

7.



Slide the Tray back into place. Take note of the four clips that must engage. If you experience difficulty installing the Tray, check to make sure the Pre-filter is not in the way

## Technical support

If you have trouble installing or operating your Fume Filtration Unit, please check our Knowledge Base or contact us through the Help Centre.

Help Centre / Knowledge Base: <https://darklylabs.com/start>



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