

# CFS-3000 AIR PURIFICATION

## INTRODUCTION

In cooperation with Envinity Group KG Medical offers the most advanced air purification technology within the cannabis industry, without making any compromises in terms of maintenance, energy consumption and degradation.

The CFS-3000 is the only purifier in the world to feature a revolutionary technology which has independently been proven to consistently reduce odor by 95-99%.

In addition to reducing undesired odor & dust particles and harmful pathogens, it also eliminates odororous gases.

Therefore, the CFS-3000 fits in seamlessly with the philosophy of growers who are looking for optimal risk management, higher quality, higher yield results and a healthier greenhouse working & growing environment.

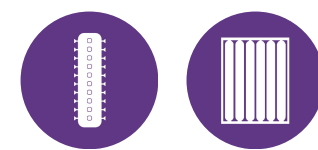


## THE COMPOSITION



### 1 Capturing particles

- ENV-FYS-01 filter
- ENV-ION-60 ionizer
- ENV-FYD-02 filter



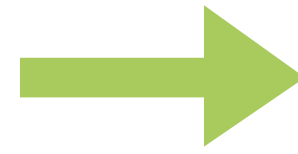
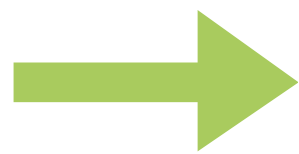
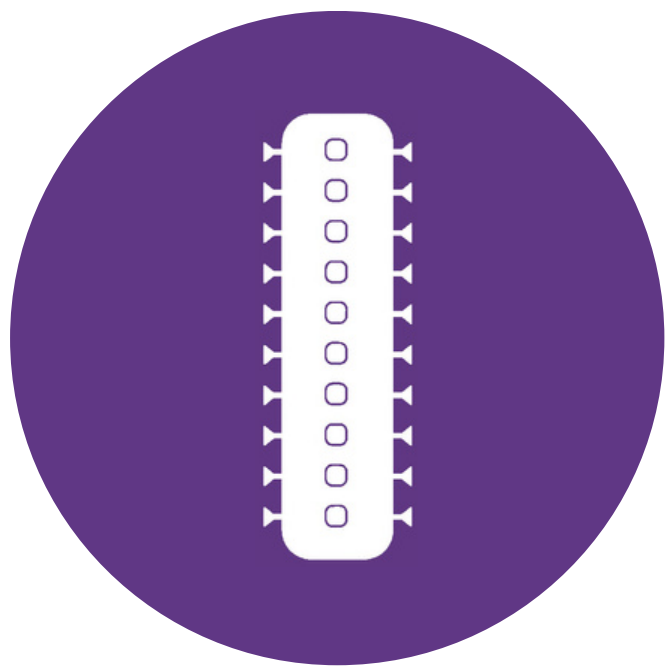
### 2 Eliminating gasses

- ENV-TiOx active carbon
- ENV-FBG-03 filter
- Optional: stage 6 innovation



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## THE TECHNOLOGY



### Filtration & non-ferrous ionization

The uniquely engineered Envinity filters and ionizer inside the CFS-3000 Scrubber capture particles at HEPA level\*.

The ionizer kills harmful pathogens, (bacteria, viruses, fungi and mold)

\*12,9 compared to HEPA 13 level

### TiOx active carbon

The in-house developed TiOx active carbon is catalytic. This is effective through the use of UV and therefore remains constant. During this process, gasses (including NOx) are converted into elements which are harmless\* to humans, plants, animals and environment.

\*validated by third-party engineering company

### Filtration and purified air

The third filter ensures that no UV light escapes the scrubber plus it acts as a last line-of-defense to capture any fugitive undesired particles/molecules.

The single pass odor destruction efficiency is 95-99% reduction in odor values.

## ADDITIONAL ADVANTAGES



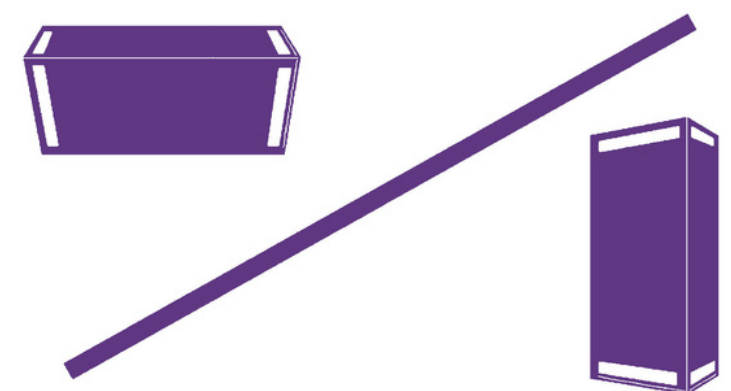
### Easily cleanable filters

Constant filter replacement is history. Maintenance will only take fifteen minutes (per scrubber) annually.



### No power surges & degradation

Independently validated unique performances: no degradation in efficiency and a constant power consumption.



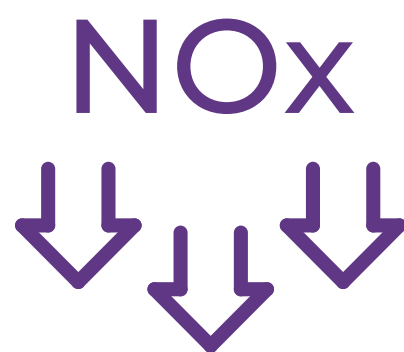
### Vertically & horizontally placeable

Both upright or horizontally installed, the CFS-3000 is suitable and operational in any situation.



### Measurable risk management

The scrubber, smart sensors and the climate computer collectively induce an optimization in risk management and ROI.



### 80% reduction of NOx

Create a higher CO<sub>2</sub> setpoint through the reduction of NOx, resulting in more potential biomass



### Healthier work & living environment

Particle reduction positively impacts plants, employees and environment, without causing damage to beneficial insect predators.

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## SPECIFICATIONS

- **Filtration capacity:**  
3,000 m<sup>3</sup>/h
- **Measurements (LxWxH)**  
760 mm x 760 mm x 2271 mm
- **Weight:**  
350 kg
- **Material:**  
Galvanized steel + coating
- **Voltage:**  
400 volt, 3 phases
- **Power consumption:**  
0,83 kWh
- **Noise level:**  
64 dB at 1 meter distance
- **Color:**  
White (highest reflection rate)
- **Filters:**  
ENV FYS 01, ENV FYD 02, ENV FBG 03
- **TiOx active carbon:**  
Catalytic ENV TiOx, including UV light
- **Ionizer:**  
ENV ION 60
- **Method of placement:**  
Vertically or horizontally
- **Method of moving:**  
Forklift or pallet jack
- **Warranty:**  
12 months on all components

