



**TOPAIR**  
CLEAN AIR SOLUTIONS

# **TOPAIR SYSTEMS Biosafety Cabinets 2019**

# Biosafety Cabinets

Class 2 A2



Class 2 B2



# Biological Safety Cabinets

## Components



# Types of Class 2 Cabinets

- **Class 2 A2**

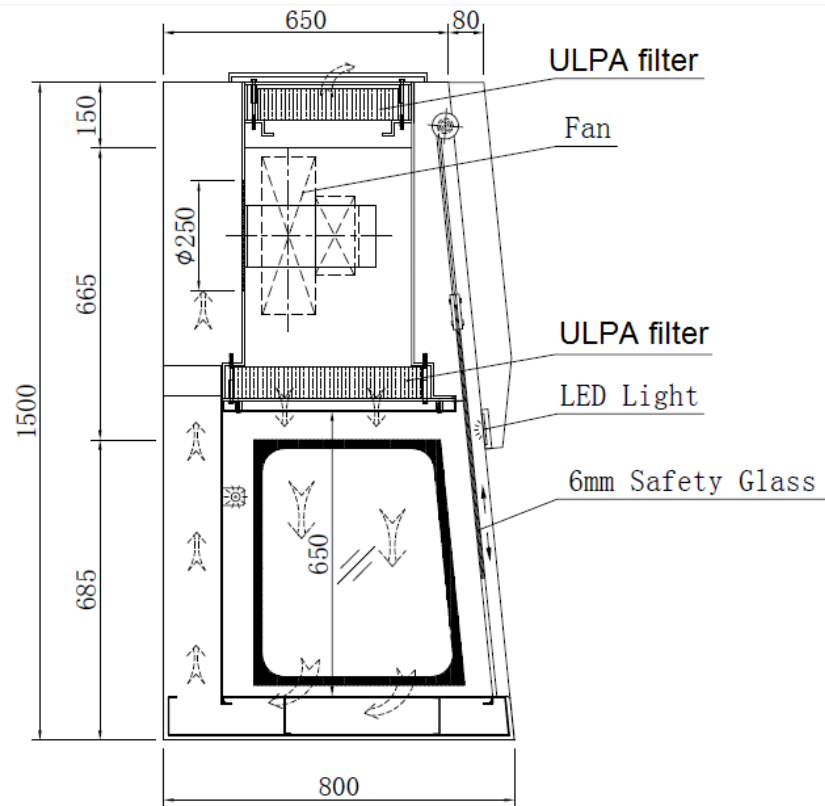
Airflow pattern of :  
70% downflow  
30% exhaust

- **Class 2 B2**

Airflow pattern of :  
100% downflow  
100% exhaust



# Technical drawing



# Air flow patterns

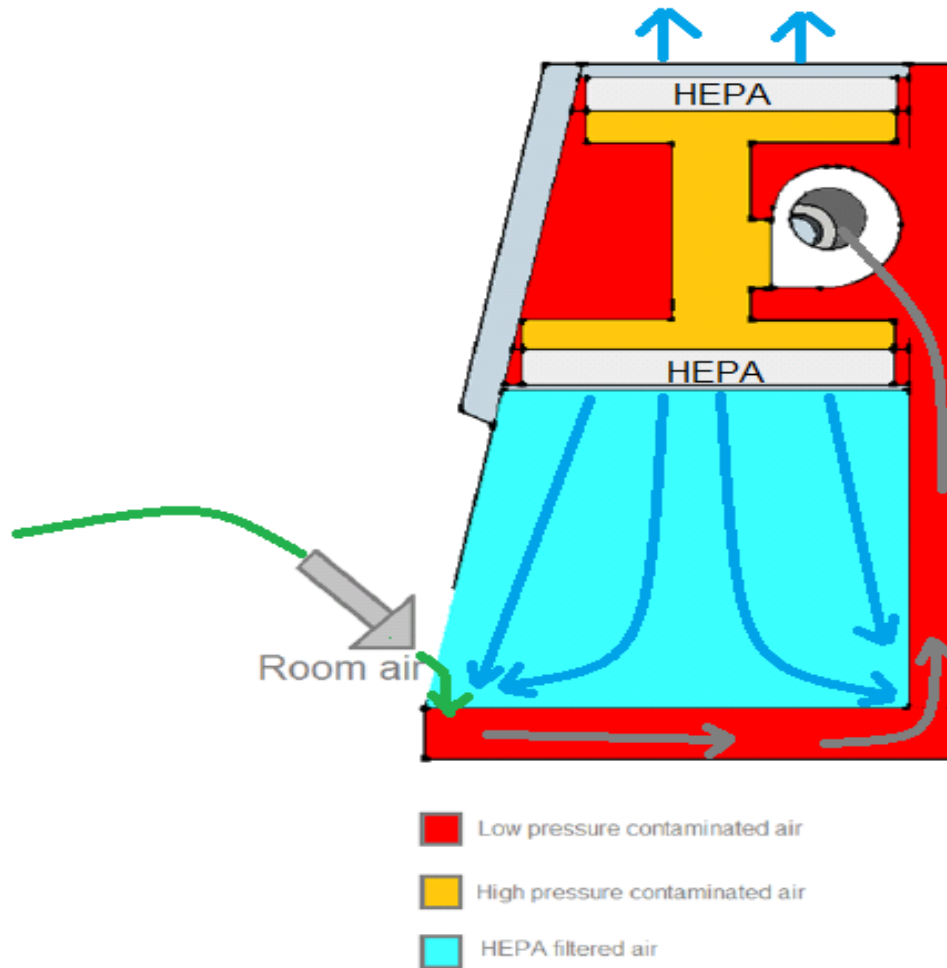
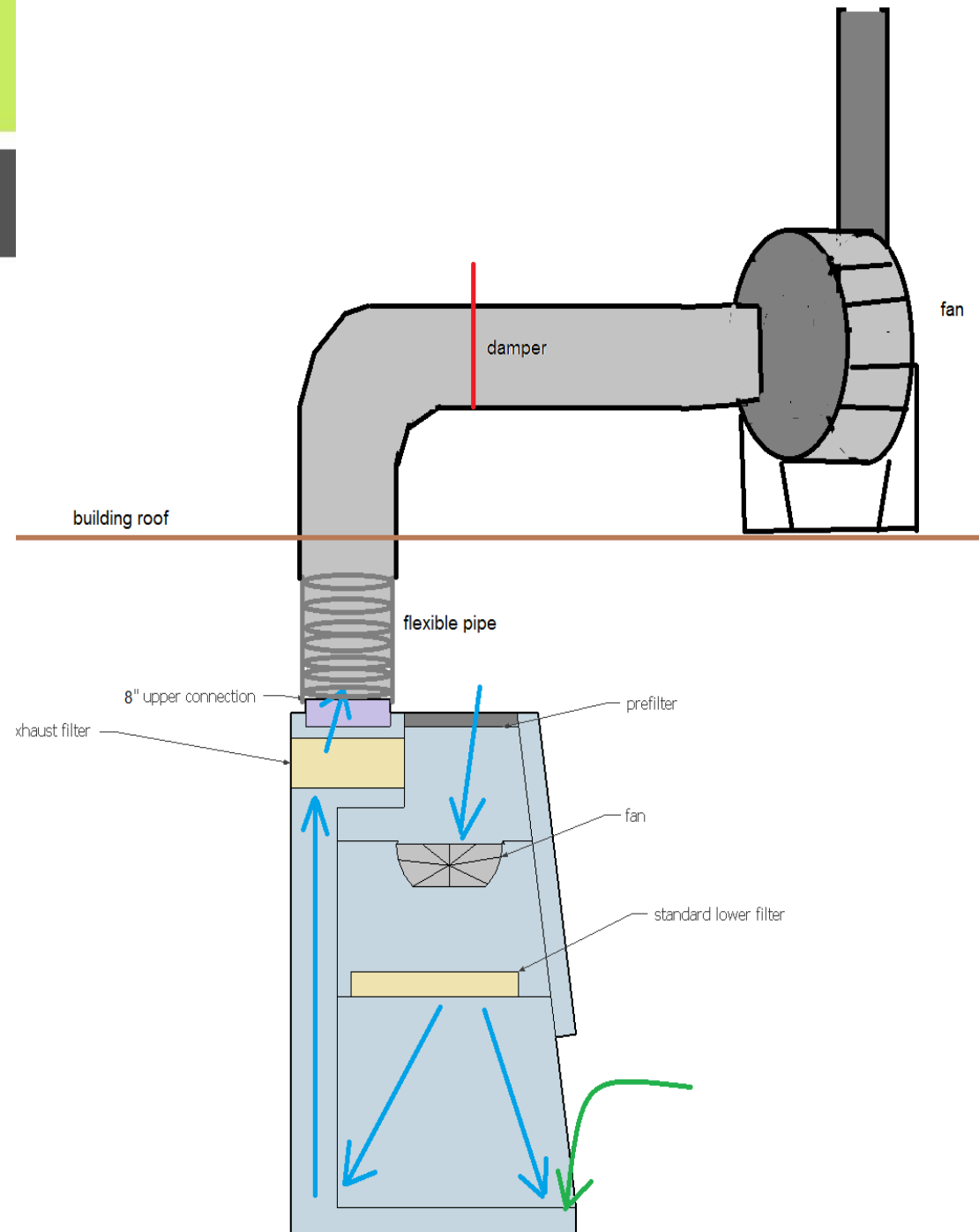


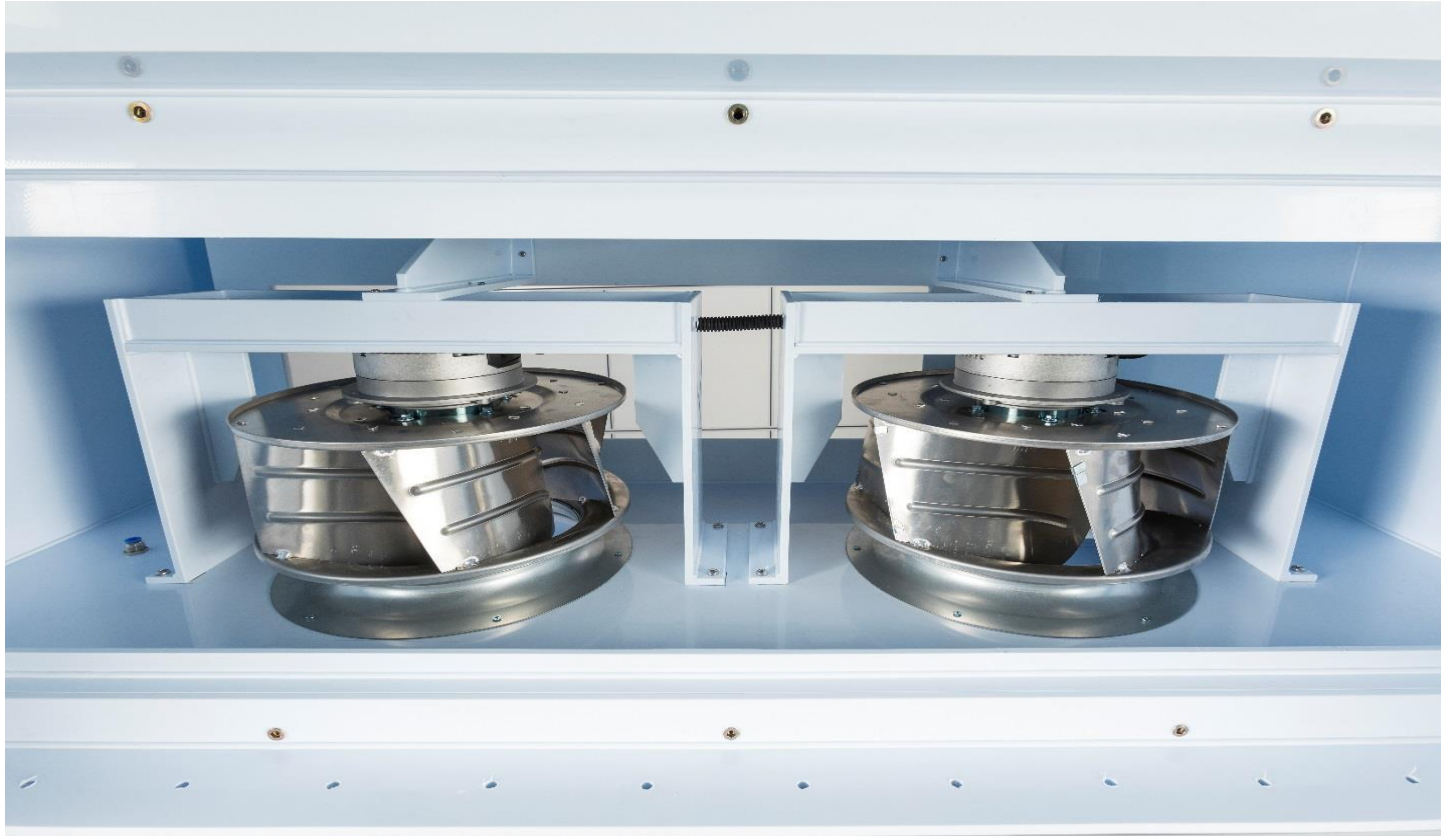
FIGURE 3. AIR FLOW PATTERN AND PROTECTED



# Class B patterns



# Double Fan System





## 2Fan VS 1Fan

- A quieter unit
- Backup- In the event of a malfunction in one of the fans, the unit will continue to work; the second fan will increase power and maintain proper flow speed
- When one fan is not working properly, an alarm will go on .



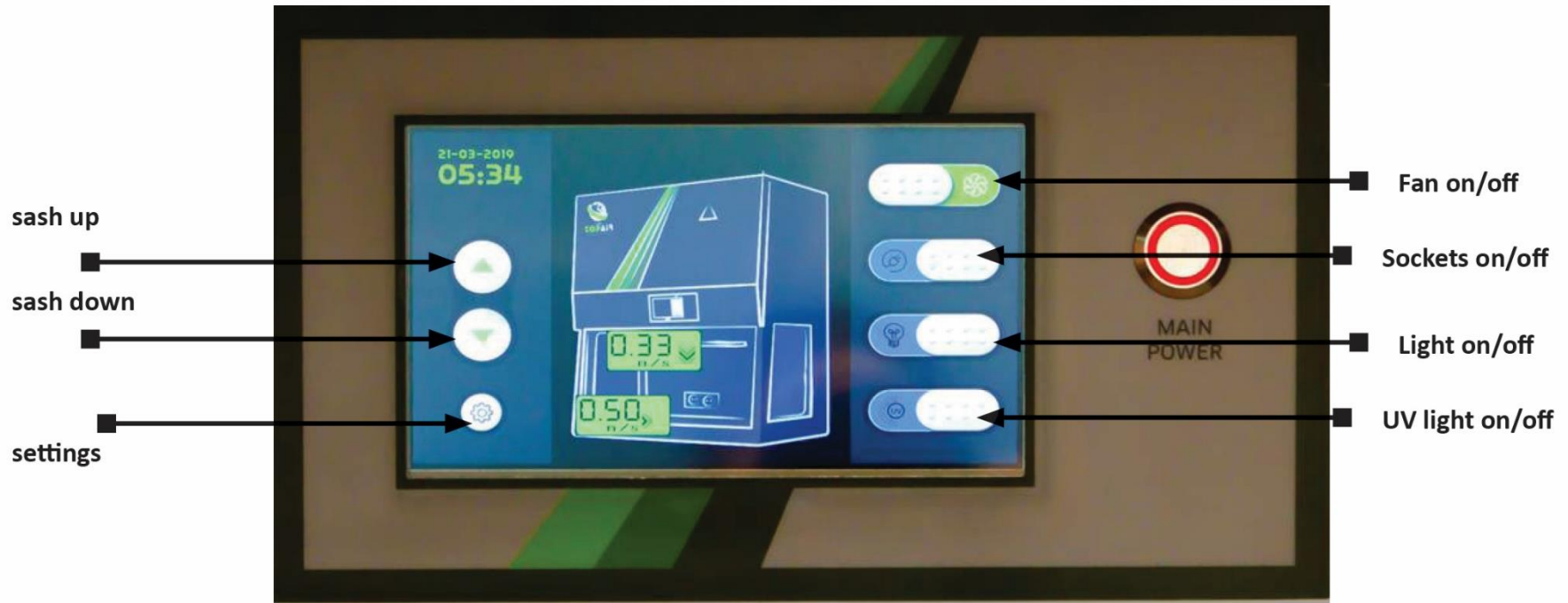
# Biological Safety Cabinets

Smart and easy to operate, 9" touch screen control panel



# Biological Safety Cabinets

Smart and easy to operate, 9" touch screen control panel



# Biological Safety Cabinets

## Red Alarm



# Biological Safety Cabinets

## Settings





# Biological Safety Cabinets

## Time & Date



# Biological Safety Cabinets

## Timers



# Biological Safety Cabinets

## Timers



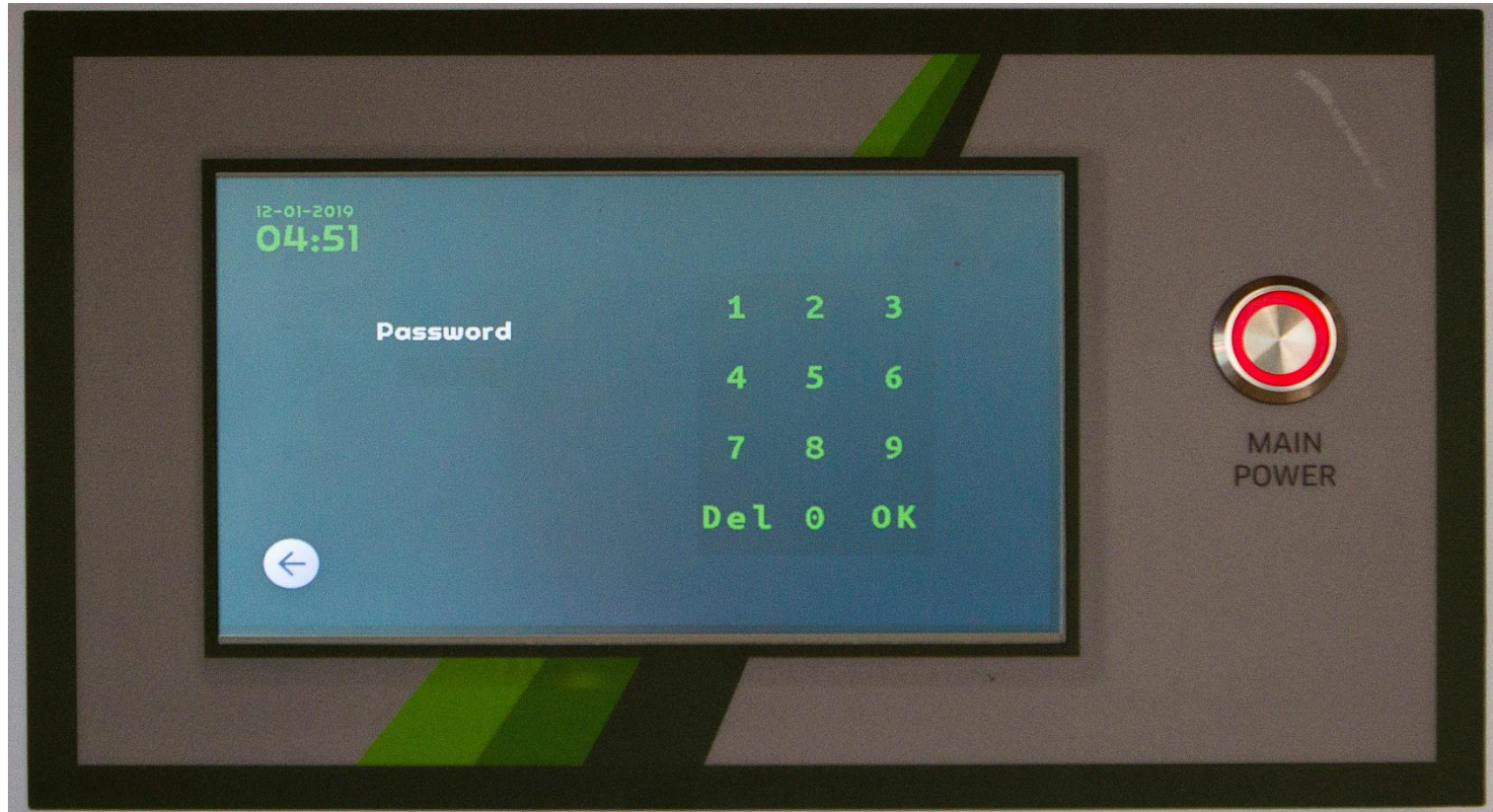


# Biological Safety Cabinets

## Timers

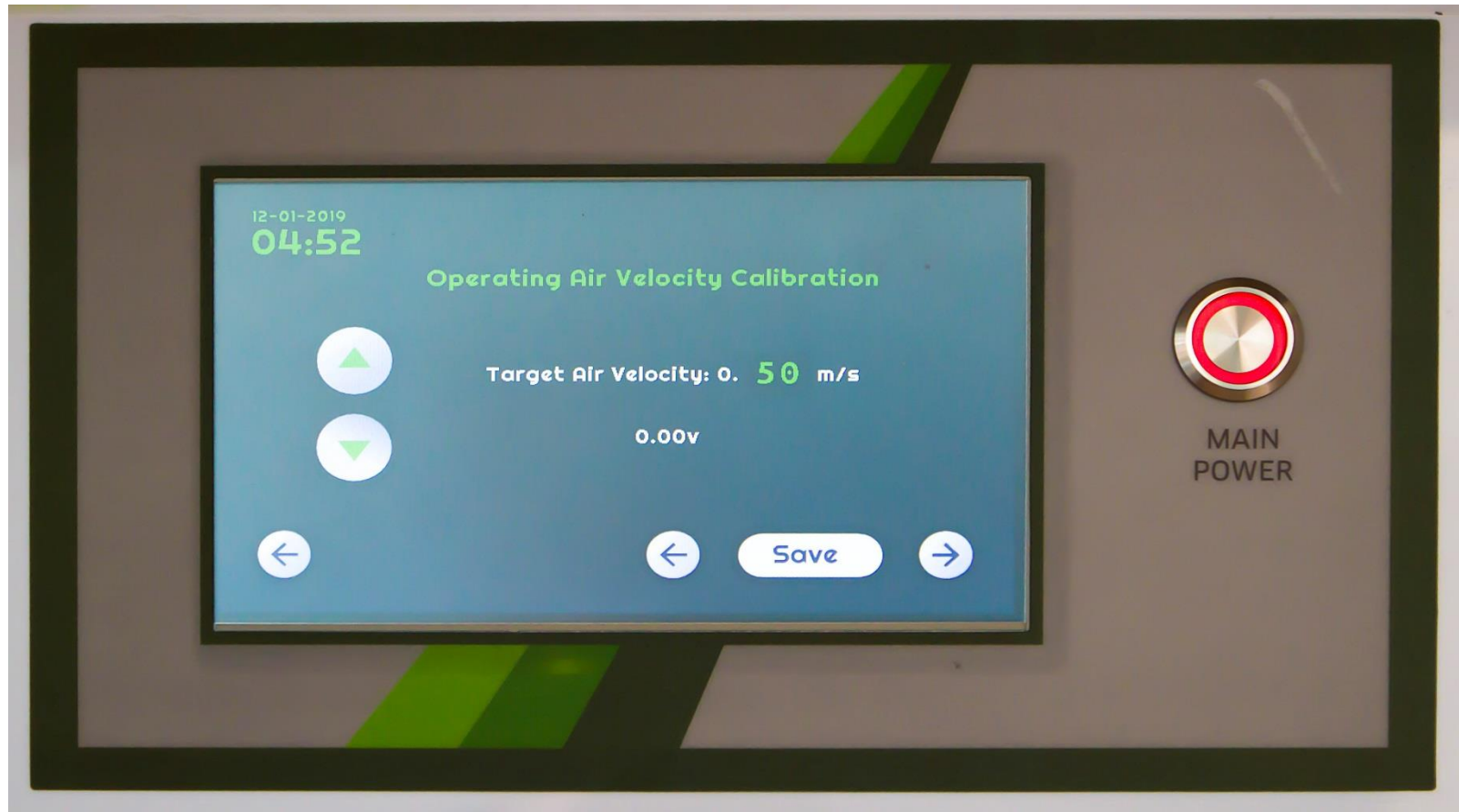


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# Biological Safety Cabinets

## Night Mode

By activating the night mode on the settings screen, all the cabinet's element will be shut down immediately when the UV cycle ends.

By pressing the wakeup button, the cabinet returns to normal activity



# Filter types

## Hepa

- High Efficiency H14 Particulate Air (HEPA) filters are capable of removing 99.9995% of contaminant particles 0.3  $\mu\text{m}$  in diameter.

## Ulpa

- Ultra Low Particulate Air (ULPA) filters U15, on the other hand, are even more efficient. ULPA filters are specified to remove 99.99995% of contaminants 0.3  $\mu\text{m}$  or larger in diameter.



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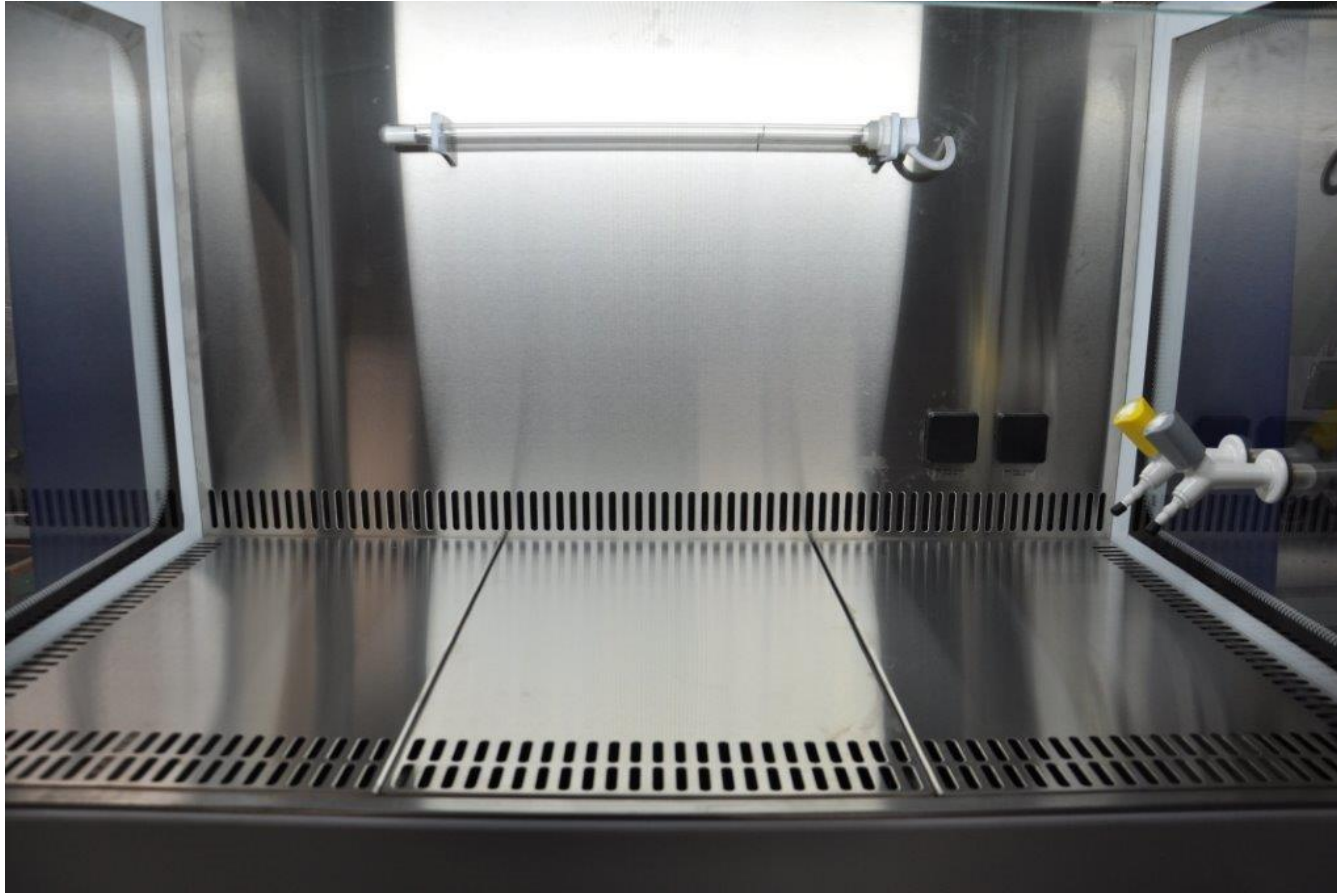


# Types of filters

- ULPA filters reduce the risk of operator infection and product contamination, which potentially reduces liability and product failure cost.
- In conclusion, TopAir Systems ULPA filter provides better product, operator and environment protection.



# Interior area of SS 304, 316 and PP



**TOPAIR**  
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# Water, vacuum or gas taps





# Roof mash.



# Arm rest



# Thank You!

[www.topairsystems.com](http://www.topairsystems.com)

