

DRAG CONTAMINATED  
AIR AWAY FROM THE  
BREATHING ZONE



The clean air of the Viruskiller is released in front and against both sides, to maximise distribution and create controlled airflow within the space it is covering. The clean air released from the top, pushes contaminated air to the floor and the fan drags it back towards the unit, creating **laminar airflow**. With its 99.9999% kill rate in a single air exchange, we can be sure that the air that goes into the breathing zone is completely safe.

## VIRUSKILLER™ VS. THE REST

Two key factors to consider when using technology to reduce airborne and droplet virus exposure:

### CONTROLLED AIRFLOW

Take the danger away from the breathing zone and replace it with clean air. Where possible, create a laminar airflow

### SINGLE AIR PASS

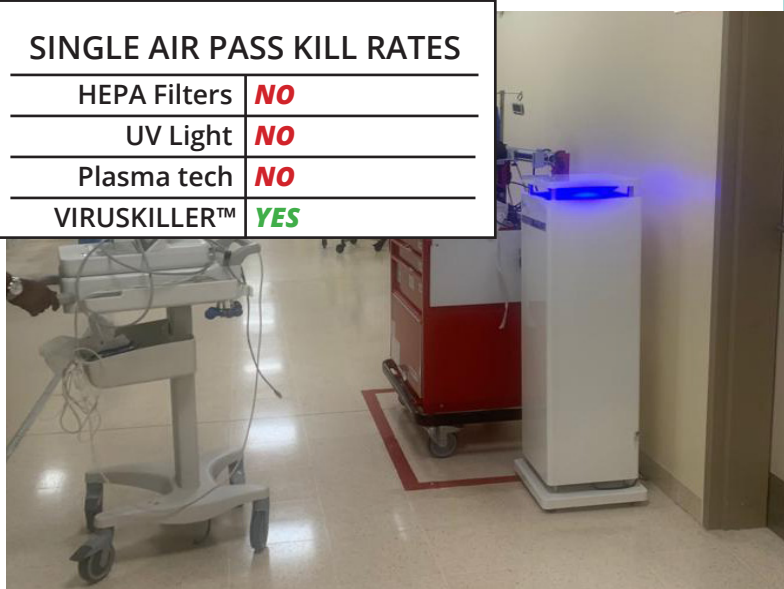
Use technology that can give a virus kill rate. Kill rates can only be given by tests conducted on a single air exchange

### Why is this so important?

When dealing with viruses, single air pass kill rates are an absolute must. If a clean air device draws air and then pushes it back into the breathing zone without completely eradicating viruses, it significantly increases the risk of cross contamination. **Other equipment who claim they kill viruses are only able to eradicate them completely after air has passed through them multiple times.** We believe that 99.9999% virus kill rates are irrelevant if the tests are not done in a single air exchange.

### SINGLE AIR PASS KILL RATES

HEPA Filters	<b>NO</b>
UV Light	<b>NO</b>
Plasma tech	<b>NO</b>
VIRUSKILLER™	<b>YES</b>



# Technology and Test Results

For many years, the Radic8's sterilisation chamber has been vigorously tested by many independent facilities and institutions and the results on airborne pathogens are the same for all of the Viruskiller™ range.

Kind of virus	Quantity of virus used		Results
Polio Virus	Experiment 1	10 <sup>6</sup> PFU/100ml	None detection (99.9999%)
	Experiment 2	10 <sup>6</sup> PFU/100ml	None detection (99.9999%)
	Experiment 3	10 <sup>6</sup> PFU/100ml	None detection (99.9999%)
Influenza Virus	Experiment 1	10 <sup>6</sup> TCID <sub>50</sub> /100ml	None detection (99.9999%)
	Experiment 2	10 <sup>6</sup> TCID <sub>50</sub> /100ml	None detection (99.9999%)
	Experiment 3	10 <sup>6</sup> TCID <sub>50</sub> /100ml	None detection (99.9999%)
Adeno Virus	Experiment 1	10 <sup>6</sup> TCID <sub>50</sub> /100ml	None detection (99.9999%)
	Experiment 2	10 <sup>6</sup> TCID <sub>50</sub> /100ml	None detection (99.9999%)
	Experiment 3	10 <sup>6</sup> TCID <sub>50</sub> /100ml	None detection (99.9999%)
Corona Virus	Experiment 1	10 <sup>6</sup> PFU/50ml	None detection (99.9999%)
	Experiment 2	10 <sup>6</sup> PFU/50ml	None detection (99.9999%)
	Experiment 3	10 <sup>6</sup> PFU/50ml	None detection (99.9999%)



- 4 Way Wind Direction
- 16ea LED Display
  - fan speed
  - filter change timer
  - LED Lights control
  - manual controls
- Noise Cancelling Silencer for Whisper Quiet Operation
- Reactor Cell
  - completely neutralises viruses, bacteria, mould, toxic gasses and all other air pollutants that manage to pass through the filter system
- Double Inlet Sirocco Fan
  - s. pressure 78mmAq 16m<sup>3</sup>/min
- Filter System
  - HEPA Filter: captures particles as small as 0.3um. This includes dust, mold spores, allergens, fungi, etc.
  - Carbon Filter: adsorbs toxic gasses, VOCs and eliminates odours
  - Pre Filter: catches coarse particles, extending the lives of the HEPA and Carbon filters.

## Step 1: Control the airflow

This is the most important step in air cleaning. Our units have been designed in collaboration with Korea Aerospace University in order to have the best possible airflow. Each unit has its unique characteristics that can deal with just about any kind of indoor setting.

## Step 2: Purify large, coarse particles

We use the latest technology in manufacturing mechanical filters. They purify the air of larger particles, allowing the reactor chamber to focus on the most dangerous particles, which include viruses, VOCs or NO<sub>2</sub>.

## Step 3: Sterilize the air in a single air exchange

This is what makes our units truly unique. The Viruskiller™ reactor chamber can completely neutralise viruses and other dangerous particles in a single air exchange, achieving unparalleled test results.



**Hextio**

HOME/PERSONAL USE

Ideal for personal use at home or in a small office. This is not suitable for a dental surgery but an ideal, portable air steriliser for home and personal use.



**VK 401**

SURGERY/WAITING ROOM

With its large air exchange capacity the VK 401 is perfect for dental surgeries and medium to large waiting rooms. Combining pre filter, HEPA filter, activated carbon and the reactor cell of 8 super UVC lamps with 40 TiO<sub>2</sub> hexagon filters makes it the ultimate solution for spaces up to 60 square meters.



**VK 103**

LARGE SURGERY/WAITING ROOM

The VK 103 is a free standing tower unit which is perfectly suited to large surgeries open plan multiple unit clinics and waiting rooms of all sizes. It can be wheeled easily to determine the best position in a room and covers spaces of up to 100 sqm.