BLADE

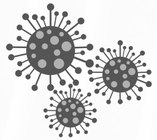
We are leaders in
commercial indoor air quality solutions.

We specialize in
creating clean air environments
for businesses and organizations
across all industries.

Why invest in Indoor Air Quality?

Offering Peace of Mind

Efficiency Savings



Mitigate Airborne Transmission

Avoid Forced Closures

Increase Productivity

Electrostatic Filters

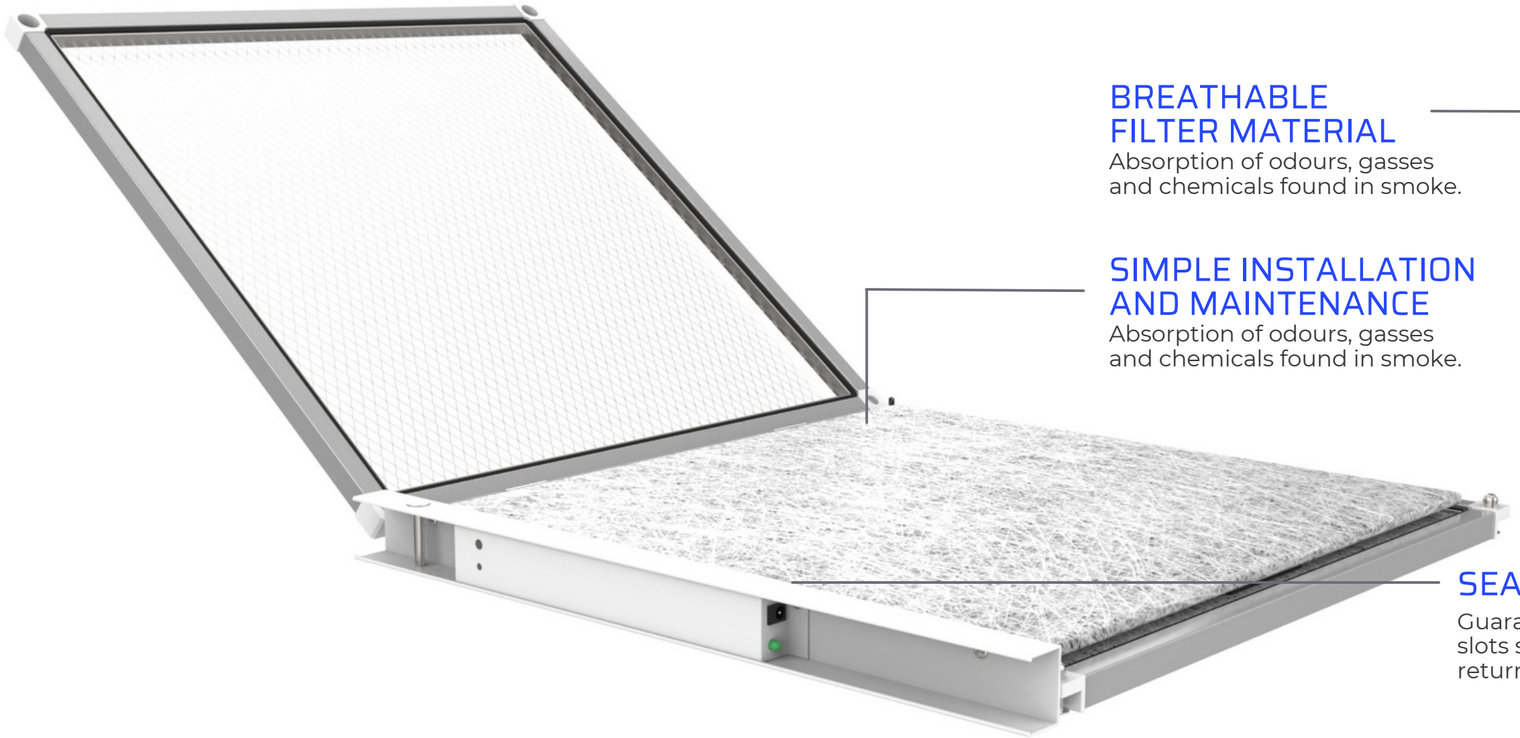
Electrostatic Filters

1" or 2" Commercial

EFFECTIVE	Captures 40x smaller particulates than traditional filters
ENDURING	2x longer lasting filter
SAFE	Zero Ozone Generated
SUSTAINABLE	70% sustainable, breathable lofted glass fibre
ENERGY SAVING	5-10% reduction in energy costs

Electrostatic Filters

Outer-Housing and Replacement Pad



BREATHABLE FILTER MATERIAL

Absorption of odours, gasses and chemicals found in smoke.

SIMPLE INSTALLATION AND MAINTENANCE

Absorption of odours, gasses and chemicals found in smoke.

SEAMLESS INTEGRATION

Guaranteed to fit all 1" furnace slots such as floor return, ceiling return, and furnaces.

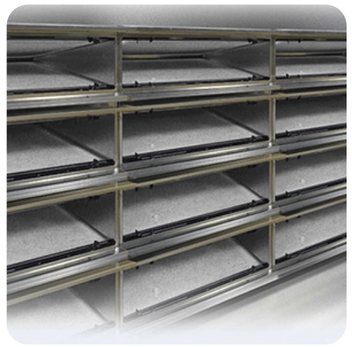
Seamless Integration

Guaranteed to fit your buildings HVAC system

Zero switching costs

No expensive retrofits to HVAC system

Available in standard & non-standard sizes

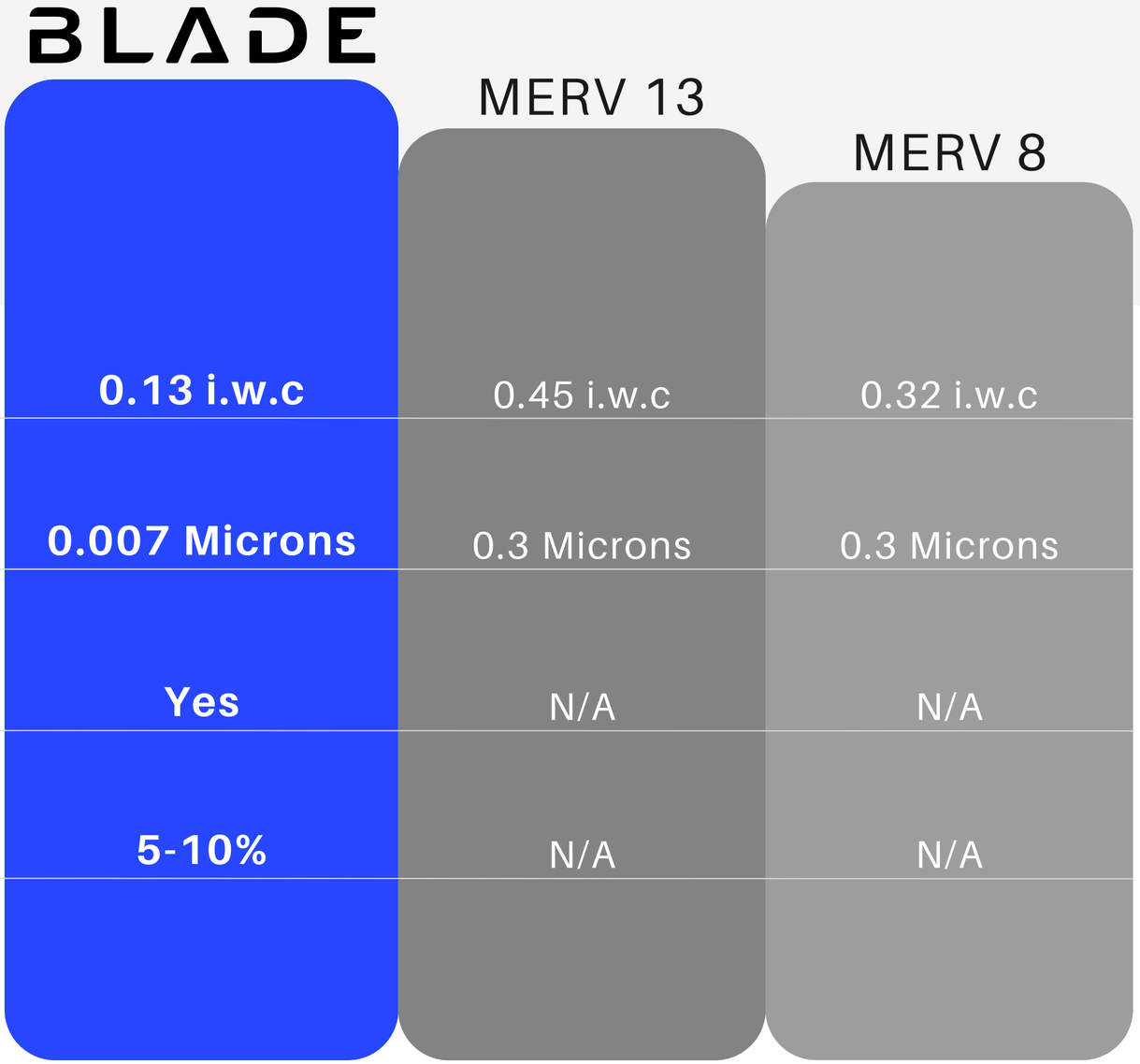


V-Bank Systems

Air Handler Units

Furnaces

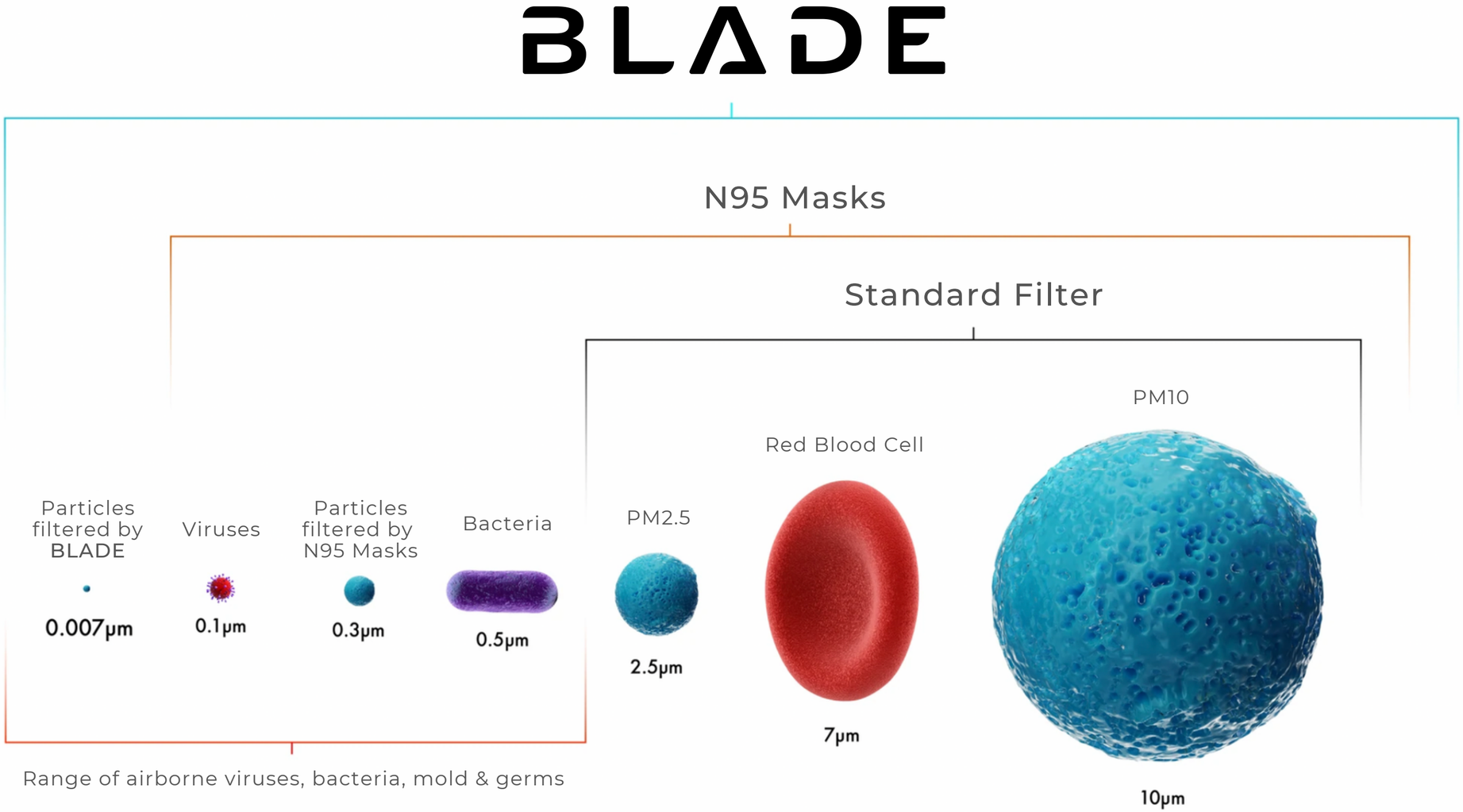
Filter Bags



- 71% less static pressure than MERV-13
- 59% less static pressure than MERV-8

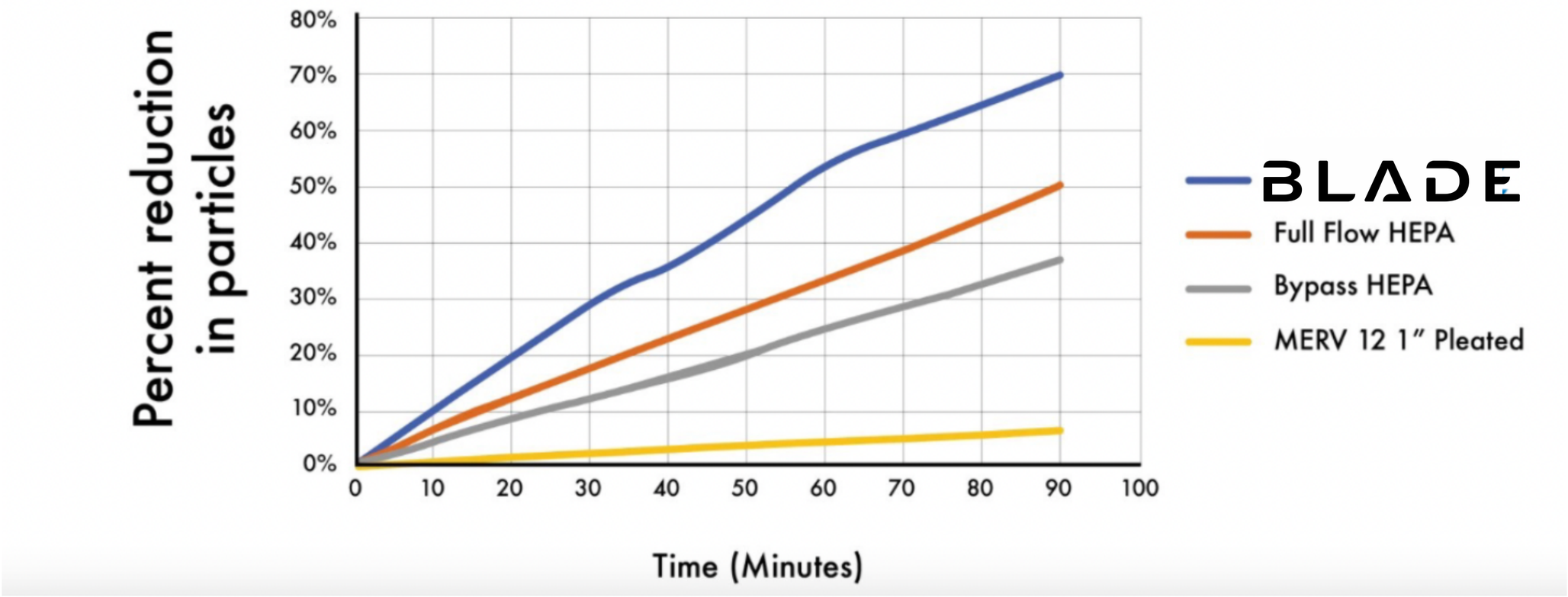
What We Filter

Remove harmful micro-particulates that traditional filters cannot capture.



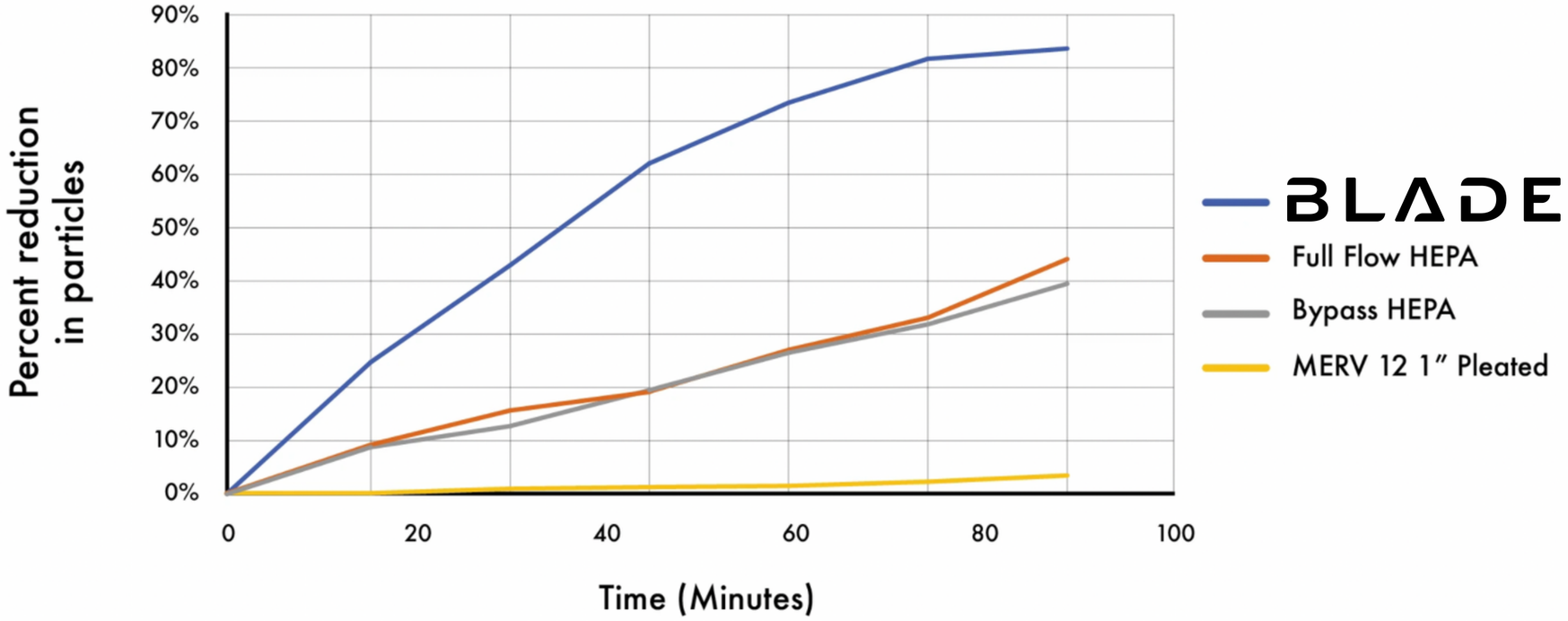
<0.123 Micron Particulate Removal Comparison

Effectiveness of Electrostatic vs. other MERV and HEPA-rated filters at removing Sars-CoV-2 and other similar-sized viruses.



<0.007 Micron Test

Outperforms standard MERV and HEPA-rated filters at removing harmful airborne pathogens.



Particle Counter - Climet CI-500 Laser Particle Counter

Investigation of Effectiveness Against HEPA

A study from the University of Colorado Boulder tells us placing HEPA filtration, within any HVAC system that has not been specifically designed for HEPA, is a mistake.

[See full report here]

"Investigation of HVAC Operation Strategies for Office Buildings During COVID-19 Pandemic"
University of Colorado Boulder, 2022

	MERV 10 (baseline)	100% Fresh Air	MERV 13	HEPA
0.3 Micron Filtration Efficiency (1st pass)	5%		75%	99.97%
SARS-CoV-2 Reduction		11%	10%	5%
Pressure Drop		0.17 in.w.g	0.45in.w.g	1in.w.g
Difference in Total Site Energy Consumption		54% increase	3% increase	12% increase
Long-Term Effect on HVAC System		No additional wear due to increased pressure drop in the system	Slight increase in wear to the system	Significant wear leading to potential premature failure of the system