



The World's Only Biodefense Indoor Air Protection System™

Providing the cleanest, viral-free indoor air



IVP's family of devices are proven to destroy **SARS-CoV-2, the virus that causes COVID-19 (99.999%), anthrax spores (99.98%)** and other airborne pathogens **instantaneously, in a single pass**, without affecting the ambient air.

Powerful circulation of **1,800 CFM** exceeds the ASHRAE standards for room circulation.



Quiet operation
(US 110V) at 48-58 dB

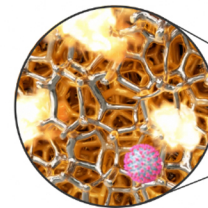
v1 venue dimensions
70" h x 49" w x 31" d

IVP's **v1 venue** and **s1 school** devices are proven to kill airborne viruses and provide the cleanest air in office buildings, schools, restaurants, hotels, gyms, places of worship, commercial spaces, airports and other mass transit venues.

The **r1 room** is a mobile device designed for health care, and residential spaces, circulating 1000 ft² in 15 minutes, providing clean air so you can breathe with confidence.



Biodefense Indoor Air Protection System™



Pre-filter



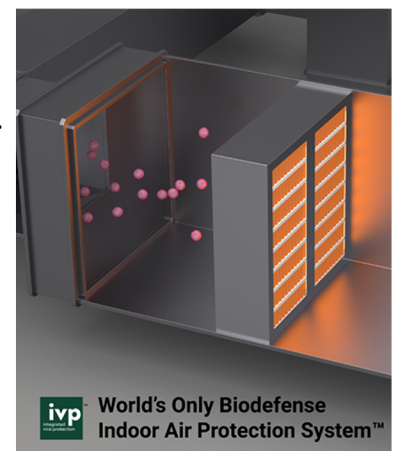
U.S. and international patent pending



The **HVAC** requires less than 8 kWh per filter over 24 hours using three-phase power at 277V.

Average static pressure drop is 0.75 to 1.0 column inches at 500CFM.










In retrofit installations the existing filters are removed and replaced with the Biodefense Indoor Air HVAC Protection System™.



IVP's proprietary biodefense technology fulfills the criteria, as listed above, and thus is FDA Compliant to Enforcement Policy for Sterilizers, Disinfectant Devices and Air Purifiers During the Coronavirus Disease 2019 (COVID-19) Public Health Emergency; 21 CFR 880.5045, Medical Recirculation Air Cleaner (Product Code: FRF, Device Classification: II) and 21 CFR 880.6500 Medical UV Air Purifier (Product Code: FRA, Device Classification: II) that is intended for use related to SARS-CoV-2 and is proven to not to generate ozone per 21 CFR 801.415. The Biodefense Indoor Air Protection System is permitted to be sold under the FDA Enforcement Policy for Sterilizers, Disinfectant Devices, and Air Purifiers during the Coronavirus Disease 2019 (COVID-19) Public Health Emergency published in March 2020.

Beyond Compare

While there are many air purification devices on the market, the **Biodefense Indoor Air Protection System™** is the only device proven to destroy airborne **SARS-CoV-2**, the virus that causes **COVID-19 (99.999%)** instantaneously, in a single pass.

	 Biodefense Indoor Air Protection System™	 Coway	 Industrial Maid	 Airpura	 Genesis Air	 Molekule	 Radic8	 Carrier	 Intellipure
Available as mobile device	✓	✓	x	x	x	✓	✓	✓	✓
Powerful Circulation up to 1800CFM (exceeding ASHRAE recirculation standards)	✓	x	x	x	x	x	x	x	✓
Warranty	2-year warranty	No filter warranty	N/A	No filter warranty	1-year limited warranty	2-year warranty	1-year warranty	1-year limited warranty	5-years (motor & blower) 1-year (electronics)
FDA Approved for Sale	✓	x	x	x	x	✓	x	x	x
Proven to kill actual SARS-CoV-2 (the virus that causes COVID-19) instantaneously, in a single pass	✓	x	x	x	x	x	x	x	x
Duration of kill virus	Instantaneous, one pass	Does not destroy virus	Only after 30 minutes; depends on recirculation of air	Does not destroy virus	No claim for instant kill	No claim for instant kill	No claim for instant kill	Limited data for virus kill claim	No claim for instant kill
Reduced risk for biohazard filter change	✓	x	x	x	x	x	x	x	x
Inline HVAC solution	✓	x	✓	✓	✓	x	x	✓	✓
Primary Filter Technology	Biodefense Filter	HEPA	Needlepoint Bipolar Ionization	HEPA & UV light	UV light	PECO	Photo catalytic oxidation	HEPA	Disinfecting Filter Technology (DFS)
Proven to destroy airborne anthrax spores (99.98%) on contact and other biological species	✓	x	x	x	x	x	x	x	x
Biodefense system for all airborne biological species, ie influenza	✓	x	x	x	x	x	x	x	x

*Best effort made to ensure accuracy of competitor information via represented websites



Technical Specifications

Device	s1 school	v1 venue	r1 room
Air Flow	1,000 CFM	1,800 CFM	550 CFM
Noise Level (dB)	48-58	48-58	38-48
Power Supply (V/Hz/Ph)*	120V/60Hz	120V/60Hz	120V/60Hz
Max. Electrical Power (Watts)	1,700	1,700	1,000
Unit Net Weight (lbs)	147	153.5	28
Unit Box Weight (lbs)	215.5	222	31
Unit Dimensions	70" h x 49" w x 31" d	70" h x 49" w x 31" d	25" h x 19" w x 29" d
Pre-Filter - Washable	Yes	Yes	Yes
Biodefense Filter			
Lifespan (hrs)	20,000	20,000	20,000
Warranty (yrs)	2	2	2
FDA Approved for Sale	Yes	Yes	Yes
HEPA Filter Lifespan (hrs)	18,000	18,000	18,000

*Designed to support all international power requirements

Special Thank You to our Research Partners



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Contact us at **info@ivpair.com** 1-800-713-4872 713-953-8480

