

PURE BREEZE

HEPA Air Purifier



A COMMERCIAL GRADE PORTABLE HEPA AIR PURIFIER DESIGNED TO FILTER LARGE AMOUNTS OF AIR WITHOUT THE NOISE DISRUPTION

Made in the USA.

INDOOR AIR QUALITY



CURRENT RECOMMENDATIONS

ASHRAE, the CDC, and other organizations recommend **6 air changes per hour (ACH)** for businesses and large facilities in order to adequately meet indoor air quality standards.

Stand alone air purifiers are one of the most effective ways to achieve the needed air changes per hour when paired with a properly functioning HVAC system.

The Vaniman Pure Breeze is optimal for providing clean filtered air, without the disruptive noise that comes with most commercial air cleaners.



AIR CHANGES PER HOUR

Air changes per hour are calculated by multiplying the device CFM (e.g. Pure Breeze= 550) by 60 then dividing that number by the total volume of air in the room (found by multiplying room length, width, and height) as per this formula:

$$\text{ACH} = \frac{60Q}{V} \quad \begin{array}{l} Q = \text{Device CFM} \\ V = \text{Volume (LxWxH)} \end{array}$$

VANIMAN PURE BREEZE ROOM SIZE CHART

Use the chart below to aid in selecting the proper number of devices for different room sizes.

| SQUARE FEET OF ROOM | COMBINED ACH RATE* | STATIC ACH RATE | # OF PURE BREEZES NEEDED |
|---------------------|--------------------|-----------------|--------------------------|
| 500 | 10.3 | 8.3 | 1 |
| 660 | 8.3 | 6.3 | 1 |
| 880 | 6.7 | 4.7 | 1 |
| 1000 | 6.1 | 4.1 | 1 |
| 1250 | 5.3 (10.6) | 3.3(8.6) | 1 (2) |
| 1500 | 4.8 (9.6) | 2.8(7.6) | 1 (2) |
| 1700 | 4.4 (8.8) | 2.2(6.8) | 1 (2) |
| 2000 | 4.1 (8.2) | 2.1(6.2) | 1 (2) |

*Assuming 8ft ceiling height and average HVAC ACH rate of 2.

FILTRATION



FILTRATION EFFICACY

Certified HEPA filters are the current standard for effective filtration in air purification devices. The Vaniman Pure Breeze provides 99.97% filtration down 0.3 microns and has been tested to **IEST-RP-CC0034.4** standards.

HEPA filtration technology has been proven in many nationally published studies as an effective method for capturing airborne hazards such as bacteria, viruses, and other contaminants.

It is currently recommended by the CDC and EPA, as an effective solution for improving indoor air quality and lowering airborne contaminants.

UV LIGHT & OTHER NON-APPROVED FILTRATION METHODS

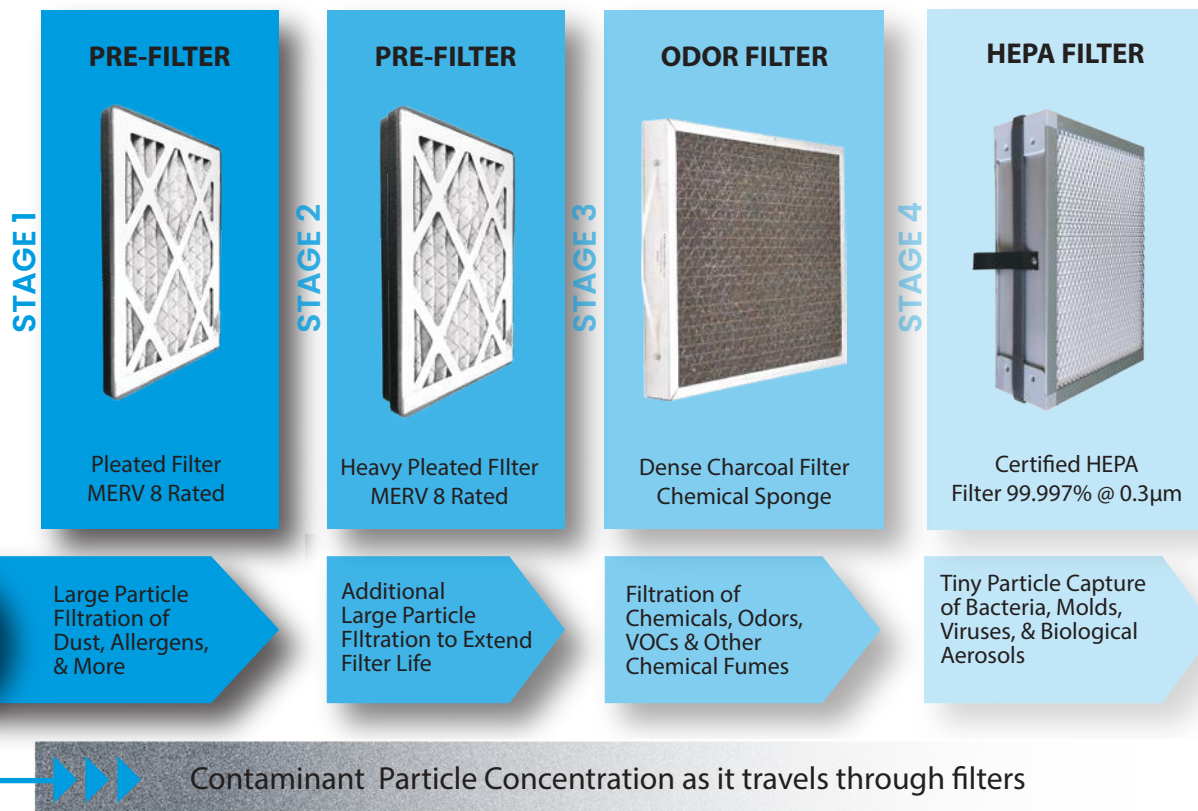
Currently, HEPA filtration is the only recommended method to be used inside portable air purification devices per the **CDC** and **ASHRAE IAQ standard 62.1**.

"Air-cleaning devices that generate ozone are prohibited."
-ANSI/ASHRAE Standard 62.1-2020



This is due to the danger of ozone emission which alternate filtration methods can produce. Additionally, these methods lack of sufficient research validating their efficacy inside portable air purifiers.

VANIMAN PURE BREEZE 4 STAGE FILTRATION



VANIMAN PURE BREEZE FEATURES

PURE BREEZE HEPA Air Purifier

Stage 4 Certified Ultra HEPA Filter

Filtration capture down to 99.997% @ 0.3 micron. Provides medical grade filtration of airborne contaminants. Equivalent to MERV18/H14.

Stage 3 Charcoal Odor Filter

A densely filled charcoal odor filter acts as a chemical sponge to capture VOCs, odors, and other fumes.

Stage 2 Heavy Pleat Filter

The heavy pleated stage 2 filter captures large particles and extends the life of the remaining filters. MERV 8 rated.

Stage 1 Pleated Particle Filter

The stage 1 particle filter captures the majority of airborne particles including dust and mold spores. MERV 8 rated.

Mobility

Easily moved when needed thanks to durable rolling caster wheels.

Durable Rolled Steel Frame

The rugged chassis frame creates a highly durable unit while also creating a tightly sealed system and aiding to suppress noise.

Industry-Leading Sound Suppression

High density sound absorbing foam is strategically installed throughout the unit. Operates at an extremely low 50dB.

3 Adjustable Speeds

A 3 speed control panel allows for easy air flow adjustment to suit a variety of room sizes.

Powerful High Flow Motor

A high quality 550 CFM turbine motor provides high volumes of air flow and long running life.

Easy Release Latches

Quick release latches make filter changing simple while tightly securing the access door.

WHY IS THE VANIMAN PURE BREEZE DIFFERENT?

Solving Two Big Problems

The biggest problems with most air purifiers on the market today are that they are not powerful enough and designed to be used for a home, or they are too loud and cause a disruption in the workplace.

Vaniman decided to solve these problems with a system that is both extremely quiet (**50dB on high**) and powerful enough for use in larger facilities and rooms.

Quality Manufacturing

The vast majority of air purifiers today are made overseas using cheaper components resulting in frequent maintenance and repair costs.

Our Pure Breeze is manufactured in the USA using high quality materials that last longer and perform better resulting in lower maintenance and costs overtime.

PURE BREEZE TECHNICAL SPECIFICATIONS

MECHANICAL & TECHNICAL DATA

| | |
|--------------------------|-------------------------------------|
| Country of Manufacturing | United States |
| Grade | Commercial |
| Dimensions | 18"L x 15"W x 29.4"H |
| Weight | 67 Lbs |
| Warranty | 1 Year |
| Power Requirements | 120V 10A |
| Amperage Draw | 1.75A/218.75W (High) |
| Frequency | 60 Hz |
| Case Material | 18 Gauge Rolled Steel |
| Mobility | Rolling Casters (4) |
| Configurations | Stand Alone or Wall/Ceiling Mounted |
| Speeds | 3 (Low, Medium, High) |
| Motor CFM (Low,Med,High) | 250, 375, 550 |
| Sound (Low,Med,High) | 34.8 dB/43.5 dB/50 dB @ 6ft |

FILTRATION DATA

| | |
|---------------------|---------------------------------|
| Filtration | 4 Stage True HEPA Filtration |
| Stage 1 Pre-Filter | Pleated Filter MERV 8 |
| Stage 2 Pre-Filter | Pleated Filter MERV 8 |
| Stage 3 Odor Filter | Charcoal Filter Chemical Sponge |
| Stage 4 HEPA Filter | HEPA Filter 99.997% @ 0.3µm |
| Maintenance | |
| Stage 1 Pre-Filter | Replace Every 3-6 Months |
| Stage 2 Pre-Filter | Replace After 3 Stage 1 Filters |
| Stage 3 Odor Filter | Replace Every 12 Months |
| Stage 4 HEPA Filter | Replace Every 12-18 Months |

GENERAL INFORMATION

CONTACT INFORMATION

| | |
|-------------------------|--|
| Company Name | Vaniman Manufacturing Co. |
| Address | 25799 Jefferson Ave |
| City | Murrieta |
| State | California |
| Zip Code | 92562 |
| Phone Number | (760) 723-1498 |
| Website | www.vaniman.com |
| Sales Contact | jmiller@vaniman.com (Jim) |
| | (760) 723-1498 ext 116 |
| General Inquiries Email | info@vaniman.com |

COMPANY HISTORY

Vaniman was founded in 1985 by Ed Vaniman, an engineer who had a passion for solving problems. The company's first product helped to improve the air quality and longevity of filtration devices and is still sold worldwide to this day.

Since then, Ed's son Don Vaniman has continued Ed's passion by continuously innovating and finding new solutions to some of the most challenging problems. All Vaniman products are made in the USA using quality materials and assembled by hand.

At Vaniman, we built products that solve problems.

