

VORTEX 1000



HEPA FILTRATION AIR CLEANING DEVICE

PRODUCT DESCRIPTION

AIRBOX Vortex 1000 is a versatile, multi-use, industrial-grade air cleaning system which uses a 4-Stage Filtration System, including Advanced Molecular Adsorbent filters for heavier concentrations of unwanted gases, to provide Equivalent Clean Airflow (V_{ACS}) for indoor install types. The Vortex 1000 can be utilized as an independent single room recirculatory air cleaning system. The Vortex 1000 utilizes a multi-stage filtration configuration designed to target and reduce high levels of airborne particulates/aerosols and molecular contaminants such as VOCs (volatile organic compounds) in commercial and industrial environments. The AIRBOX Vortex 1000 is equipped with the AirBox Advanced Operating System (AOS) platform, which allows AIRBOX units to run on differing schedules and keeps track of actual filter life and other maintenance needs, such as the direct drive ECM Fans used for maximized efficiency. In addition, the VORTEX 1000 qualifies the space for ASHRAE Standard 62.1 IAQP (Indoor Air Quality Procedure) by cleaning the air with recirculation, which could allow for a reduction in the amount of outdoor air required and HVAC energy if all specified Design Compounds (DCs) are maintained below their design limits specified in ASHRAE Standard 62.1.

COMPLIANCE AND PERFORMANCE SPECIFICATIONS

ASHRAE 241-2023	Compliant*
UL Listed	Listing in Progress
IEST-RP-CC007	Certified 99.99% @ 0.3 microns HEPA Filter
US DOE-STD-3020-2015	
UL900	
Bioaerosol Testing	Available upon Request
Efficacy Testing	Available upon Request

*Compliance Testing and Certification in progress



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TECHNICAL SPECIFICATIONS

Unit Size	14" H x 24.75" W x 46" L
Weight	200 lbs
Maximum Nominal Air Flow Rate	1,000 CFM
Controls	Standard manual control and AirBox Advanced Operating System (IOT) allowing for remote adjustment.
Enclosure Material and Finish	Aircraft Grade Aluminum Alloy Outside Skin with Structural Steel Frame
	Powder Coat Finish
Duct Sizes	12" x 16" Rectangular Duct
Additional Features	Differential Pressure and TVOC sensors for concentration and filter life monitoring.
Warranty	Transferable Limited Lifetime Warranty. Lifetime Warranty on material and workmanship. 5 Year warranty on fan and motor package inclusive of electrical.

*V1000 includes recommended 15-inch equivalent diameter duct flanges

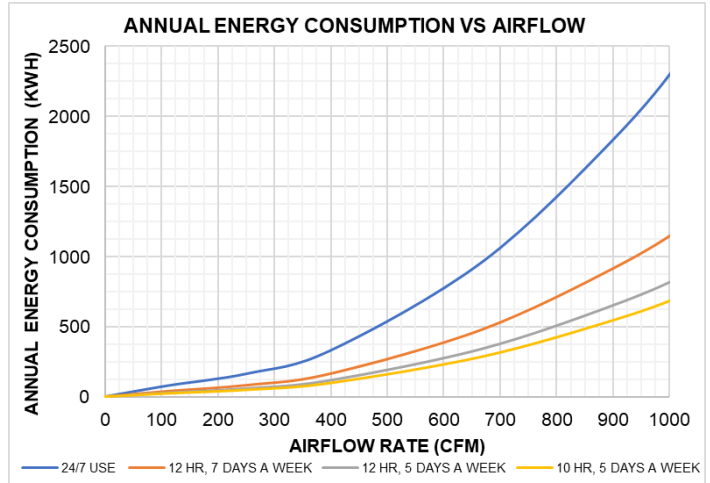
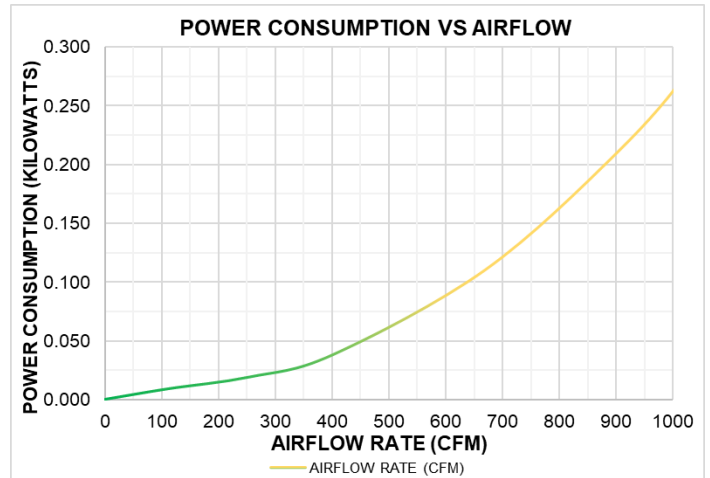
ELECTRICAL SPECIFICATIONS

Operating Voltage	110/120 VAC
Maximum Power	900 W
ECM Fan	5x 115VAC, 50/60HZ, Ball Bearing, IP54 Rated UL Listed: File Number E319742
Connectors	Deutsch DT, IP68 Rated

FILTRATION SPECIFICATIONS

First Stage	Antimicrobial Filter
	MERV 9 4" Radial Pleated Polyester Filters treated with Microban Aegis Microbe Shield®
Second Stage	Molecular Adsorbent Media Filter
	Filters with Proprietary Blend of Adsorbent Media
Third Stage	Antimicrobial Filter
	MERV 9 4" Radial Pleated Polyester Treated with Microban Aegis Microbe Shield®
Fourth Stage	HEPA Filter
	Certified 99.99% Effective 12" Pleated Glass Media Treated with Microban Aegis Microbe Shield®

AIRBOX is regulated by the US Environmental Protection Agency and state governments as a pesticidal device. Accordingly, our air cleaners are packaged and labeled in accordance with EPA regulations under FIFRA section 2(q)(1) and 40 CFR Part 156.
EPA Registered Establishment No.: 97081-NC-1



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VORTEX 1000 CLEARANCE VIEWS

