

PRODUCT BULLETIN

PURASHIELD™ SMART

Key Features:

- Quickly and effectively removes many aerosols carrying harmful viruses, bacteria, mold, and smoke from the air
- Equipped with a filter layer protected by PuraWard® technology using copper & silver ions†
- Disposable PK Modules containing up to 200 lbs of Purafil's patented[§] molecular filtration media
- HEPA filtration for harmful particulate matter
- LED display with touch controls and replacement alerts
- Built-in sensors provide real-time air quality data
- Also removes toxic and damaging gaseous pollutants
- Compact design with casters for mobility
- Works with standard wall outlets

Ideal For Use In: Educational Institutions, Hospitals, Medical Facilities, Dental Offices, Dental Labs, Senior Living Facilities, Office Buildings, and Laboratories.

Specification	Smart 500	Smart 1000
Voltage	110V US / 220V EU	110V US / 220V EU
Power	262W ± 5W	670W ± 5W
Weight	~204 lbs Loaded	~520 lbs Loaded
Dimensions	16.5" x 26.4" x 44"	27" x 26.4" x 70"
Material	Steel	Steel
Media Loading	50 lbs	200 lbs
High Speed Airflow	400 CFM / 680 m ³ /h	1,100 CFM / 1,868 m ³ /h
Medium Speed Airflow	300 CFM / 510 m ³ /h	600 CFM / 1020 m ³ /h
Low Speed Airflow	200 CFM / 340 m ³ /h	450 CFM / 765 m ³ /h
Noise (High/Med/Low)	56 / 50 / 45 dBA	60 / 55 / 51 dBA
Pollen CADR	387	1027
Smoke CADR	347	815
Dust CADR	354	840

Removes 99.99% of Aerosols Carrying Viruses*



Smart 500

Smart 1000

LCD DISPLAY



PURAWARD FILTER IS PROTECTED FROM VIRUSES AND BACTERIA:

Virus	Reduction Rate	Time
H1N1	99.91%	5 Min.
H7N9	99.98%	5 Min.

Bacteria	Reduction Rate	Time
S. Aureus	99.95%	1 Hr
E. coli	99.96%	1 Hr

PURASHIELD MEDIA REMOVES 99.46% OF SOLUTIONS CONTAINING SARS-CoV-2, THE VIRUS THAT CAUSES COVID-19‡

Virus	Reduction Rate	Time
SARS-CoV-2	99.46%	2 Hr

ALL PICTURES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY. ACTUAL PRODUCT MAY VARY DUE TO PRODUCT ENHANCEMENT

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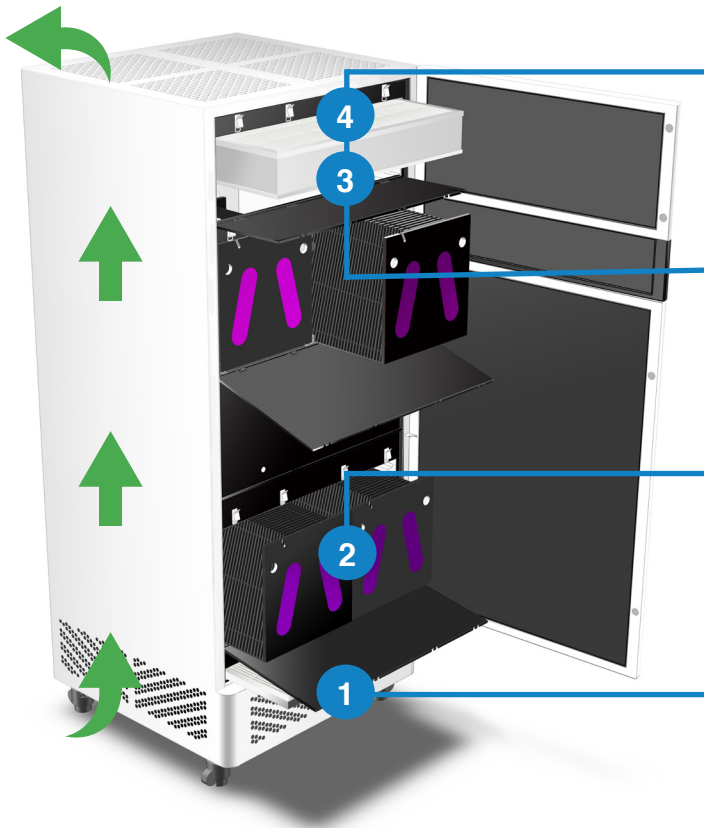
PURASHIELD SMART

PuraWard Filters†:

A high efficiency filter protected by an embedded micro-technology containing an EPA registered antimicrobial additive using copper and silver ions to combat many bacteria and viruses.

Molecular Filtration:

Developed and manufactured in the USA, our patented molecular filtration media removes molecular contaminants from the air, safely oxidizing the molecules, while removing toxic and harmful gases.



HEPA Final Filter

Captures PM_{0.3}, PM_{2.5} and other particulates, allergens, bacteria and viruses.

PuraWard Filter

The PuraWard filter is protected from many viruses, bacteria, and mold using copper and silver ions†.

Molecular Filtration

Patented§ molecular filtration media removes aerosols carrying viruses from the air, safely oxidizing the molecules, while removing toxic and harmful gases.

Pre-filter

Traps dust, pollen and other large particulate matter. Unit includes four total pre-filters for 12 months of operation.

Product Code	Description	Each/Box
SMART-1000-1	PURASHIELD SMART 1000 - 1,100 CFM, USA	1
SMART-1000-KIT-VIRUS	ANNUAL SMART 1000 FILTER REPLACEMENT KIT (1 PER UNIT)	1
SMART-500-1	PURASHIELD 500 Smart - 400 CFM, USA	1
SMART-500-KIT-VIRUS	ANNUAL SMART 500 FILTER REPLACEMENT KIT (1 PER UNIT)	1

*Laboratory testing demonstrated 99.99% reduction of aerosols carrying MS2. † MRIGlobal Project No. 311686.01.001

Copies of the full test reports are available upon request. † Filter protected by an EPA-registered antimicrobial additive. §Patent number US 9,370,763 B2

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