

Trio

PORTABLE

Product Specifications



FIELDCONTROLS

The Trio 3-in-1 Air Purification System

The Trio Portable includes multi-stage filtration and PRO-Cell™ Technology, odor and VOC reduction. The Trio Portable is ideal for homes and offices without forced air ductwork or for extra protection in any room.



Patented

Key Features

- Four stages of filtration, including HEPA, trap dust, dander, pollen and other airborne particles.
- High intensity UVC germicidal lamp neutralizes and reduces airborne mold, bacteria, and viruses.
- PRO-Cell™ catalytic grid transforms odors and VOCs into fresh, breathable air.
- Advanced electronics monitor and communicate system operation.
- VOC sensor automatically increases the fan speed when harmful gases are present.



Applications

- Home or Office
- Healthcare Environments
- Print Shops
- Salons
- Fabric & Carpet Stores

Testing

Tests were performed in accordance with ANSI/AHAM AC-1-2006 entitled "Association of Home Appliance Manufacturers method for measuring performance of portable household electric room air cleaners".

Model/Configuration	Test Particulate	Natural Decay Rate	CADR (FT ³ /Min)	CADR STDEV.	Power (Watts)
Trio -1000P, Unit 1, High Speed, UV Light On, 115 Volts, 60 Hertz	Smoke	0.00304	91.0	0.6	85.7
	Dust	0.01245	123.6	0.5	100.6
	Pollen	0.10556	142.2	5.4	100.3
Trio -1000P, Unit 2, High Speed, UV Light On, 115 Volts, 60 Hertz	Smoke	0.00302	68.1	0.4	101.7
	Dust	0.00702	108.8	1.1	100.1
	Pollen	0.11419	116.3	8.3	100.1
Trio -1000P, Unit 3, High Speed, UV Light On, 115 Volts, 60 Hertz	Smoke	0.00322	103.9	0.9	100.5
	Dust	0.00996	124.7	0.7	100.6
	Pollen	0.10693	117.7	8.9	100.3

Test Results

Test Sample	Test Voltage	Test Frequency	Ambient Test Temperature °F	Ambient Humidity %RH	Dust CADR	Watts	Dust CADR/Watt
1	115	60	70	40	123.6	100.6	1.2
2	115	60	70	40	108.8	100.1	1.1
3	115	60	71	39	124.7	100.6	1.2

Tests were performed in accordance with ANSI/AHAM AC-1-2006 entitled "Association of Home Appliance Manufacturers method for measuring performance of portable household electric room air cleaners". This standard method has defined limits of measurability. The practical limits of measurability are: Dust 10 to 400 CADR, Tobacco smoke 10 to 450 CADR and Pollen 25 to 450 CADR. The statistical validity of test results outside of the stated practical limits is questionable and unevaluated. Clean Air Delivery Rates (CADR's) were determined using tobacco smoke, AC fine test dust, and paper mulberry pollen.

Additional requirements for energy taken from IEC 62301 Ed. 2 entitled, "Household Electrical Appliances – Measurement of Standby Power".

Monitored particle size ranges for the three particulates were as follows: Smoke - 0.10-1.0 microns; Dust - 0.5-3 microns; Pollen - 5-11 microns.

SPECIFICATIONS

Model	Trio PCO Portable UVC Purification System 120v
Dimensions	21.5" wide x 18" high x 8" deep
Weight	23 lbs
Maximum Airflow	265 cfm
Power Consumption	100 watts
Voltage	120v / 1ph / 60hz
Blower	Backward-curved motorized impeller - sealed bearings
UVC Germicidal Lamp	10 watts
Microwatts at surface per cm ²	16,000
Microwatts at surface per cm ² @ 1 ft	540
UVC Germicidal Wavelength	254 nanometers
Stage 1 Pre-Filter	5 micron
Stage 2 HEPA Filter	.30 micron hospital grade
Stage 1 Gas Absorption Layer	Activated charcoal
Stage 2 Gas Absorption Layer	Activated charcoal
Application Range	1,000 square feet (automode)
Service Interval	1 Year lamp and filter replacement
Catalyst	TiO ₂ Anatase
Warranty	10 Year limited (excluding lamp and filters)
Filter Efficiency %	99%
Sound Level dBA	48 to 68

Agency Compliance

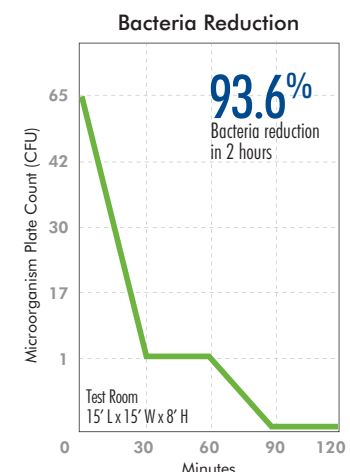
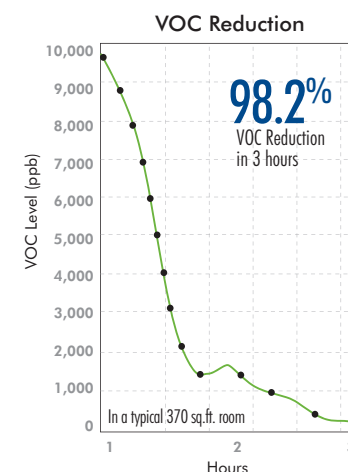
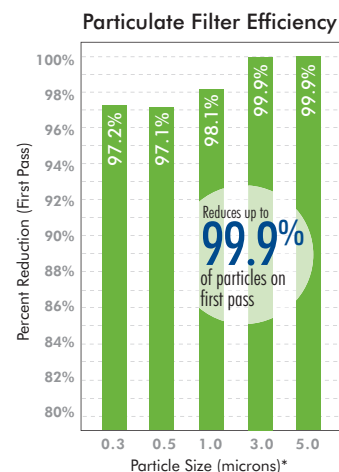


COST OF OPERATION

Annual Replacement Lamp and Filter Set

Part#	Model	Description	MAP (Retail Minimum Advertised Price)
46650100	1RK005	Replacement UVC Lamp and Filter Set for Trio-1000P	\$200.69

Performance Data



FIELD CONTROLS

www.fieldcontrols.com