

AspenAir Versus 1" Electronic Air Cleaners

PERFORMANCE CATEGORIES	AspenAir High-Efficiency Electronic Air Cleaner	Dynamic Polarized Media Electronic Air Cleaner	Respicaire CG (Carbon Graphite)	Cimatec AirClean Model 1500 1" Electronic Air Cleaner	Totaline Model CG 1000 1" Electronic Air Cleaner
CLEANING PERFORMANCE					
Particulate Removal Efficiency	99% to 0.1 Microns	97% at 0.3 Microns	95% at 1.0 Microns	No Claims Made	95% at 1.0 Microns
Bacterial Kill Rate	99% within 1 hour	No Claims Made	No Claims Made	No Claims Made	No Claims Made
Ozone Production	No Ozone	No Claims Made	No Claims Made	No Ozone Claimed	No Claims Made
AIR FLOW PERFORMANCE					
Initial Pressure Drop	.11"W.G.@ 300 fpm, .245"W.G.@ 500 fpm	.26"W.G.@ 500 fpm	.17"W.G.@ 300 fpm	.13"W.G.@ 300 fpm	.18"W.G.@ 275 fpm
Pressure Drop @ 100 grams of Dust Load	.165" W.G. @ 300 fpm, .3" W.G. @ 500 fpm	No Claims Made	No Claims Made	No Claims Made	No Claims Made
Dust Loading Capacity	5 lbs @ 1"W.G.	No Claims Made	No Claims Made	No Claims Made	No Claims Made
ENERGY SAVINGS					
Heating & Cooling Utility Savings	Up to 30% Independent Lab Test Certified	No Claims Made	No Claims Made	Claims up to 15% based on in-house study	No Claims Made
Fan Energy Saving - ECM	50%	No Claims Made	No Claims Made	No Claims Made	No Claims Made
Output Voltage (Cleaning Power)	24,000V DC	6,500V DC	No Claims Made	No Claims Made	No Claims Made
Input Voltage	24 VAC	24 VAC	24 VAC	24 VAC	24 VAC
Power Consumption	2 Watts	2 Watts	2 Watts	2 Watts	2 Watts
MEDIA PERFORMANCE					
Media Type / Depth	Encapsulated fiberglass collection media / 2.25" total depth	Two pads of fiberglass media/ .625" total depth	Two pads of fiberglass media/ .625" total depth	One "Electro-Fibre" media pad & one plain media pad / .625" total depth	Two pads of fiberglass media/ .625" total depth
Media Loading Characteristics	Dust loads evenly throughout depth & breadth of media	Surface & pattern loading common	Surface & pattern loading common	Surface & pattern loading common	Surface & pattern loading common
Media Compression	No	Yes, particularly around edges & corners of frame	Yes, particularly around edges & corners of frame	Yes, particularly around edges & corners of frame	Yes, particularly around edges & corners of frame
Maintenance Frequency	Once or twice a year	Every 3-4 Months	Every 3-4 Months	Every 3 Months	Every 3 Months
Maintenance Difficulty	Simply replace media and wipe grids with a dry cloth, if necessary. Five minutes total, no tools required	Unplug, de-install unit from housing, open unit, remove old media, replace new media pads, close unit without damaging powering unit, plug in unit, reinstall	Unplug, de-install unit from housing, open unit, remove old media, replace new media pads, close unit without damaging powering unit, plug in unit, reinstall	Unplug, de-install unit from housing, open unit, remove old media, replace new media pads, close unit without damaging powering unit, plug in unit, reinstall	Unplug, de-install unit from housing, open unit, remove old media, replace new media pads, close unit without damaging powering unit, plug in unit, reinstall
Media Available Online	No	Yes	Yes	Yes	Yes
Media Retail Price	\$20 -\$40	\$84 plus freight	\$40 plus freight	\$60 plus freight	\$40 plus freight
INSTALLATION SAVINGS					
Standard Sizes	23	32	16	20	17
Custom Sizes Available	Yes	Yes	Yes	Yes	Yes
Permanent Installation	Yes, in under 1 hour	No - Risk of noise, electrical shock and personal injury or damage to unit should it fall from overhead when grill door opens	No - Risk of noise, electrical shock and personal injury or damage to unit should it fall from overhead when grill door opens	No - Risk of noise, electrical shock and personal injury or damage to unit should it fall from overhead when grill door opens	No - Risk of noise, electrical shock and personal injury or damage to unit should it fall from overhead when grill door opens

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Total System Depth	3" - fits space for 1" media filter	1"	1"	1'	1'
CLEANING TECHNOLOGY					
Filter Operation	Electronic Bi-Polarization via positively & negatively charged Macon-D infused co-polymer power grids	Electro-static polarization	Electro-magnetic attraction	Electronic polarization	Electro-static polarization
ADDITIONAL NOTES					
Lab tests readily available to support performance claims	Yes	No	No	No	No
Industry Awards	2008 & 2009 Dealer Design Awards	Unknown	Unknown	Unknown	Unknown
Direct internet sales	No	Yes	Yes	Yes	Yes
Made in the USA	Yes	Unknown	No	No	Unknown
Warranty	Limited 5 Year	Limited 5 Year	Limited 5 Year	Limited 5 Year	Limited 2 Year
Other Brand Names	N/A	Nature's Home			