

Kitchen Exhaust Air Cleaning Systems





Keeping Pace

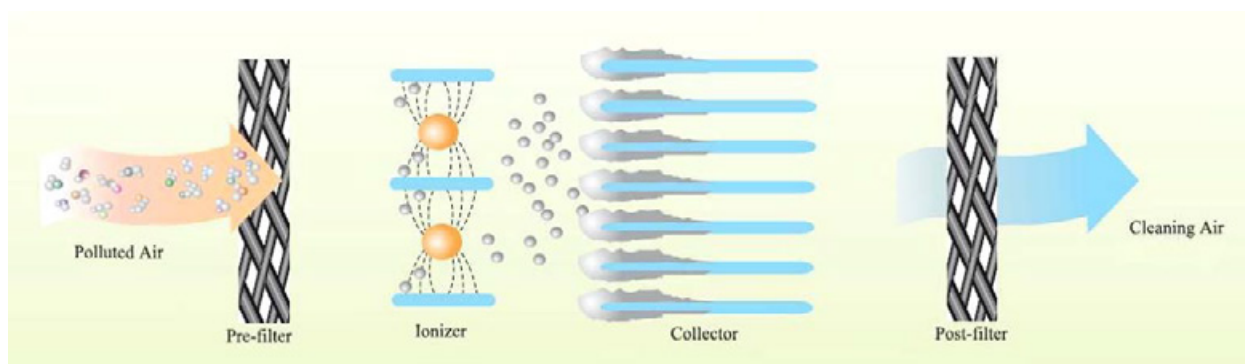
In today's busy world, more people are going out to eat. For restaurants this growing trend not only increases traffic and revenues but the kitchen hazards associated with this new volume. As kitchen cooking production grows, restaurants will exhaust more smoke, grease, and odors into the air. Local neighbors may raise concerns about air quality, and restaurants may put their roofs at risk with grease pooling that attacks roof materials.

To help restaurants keep pace, [Aeronaire](#) offers its Kitchen Exhaust Air Cleaning Systems. These systems use a proven dual-stage electronic air cleaning technique—electrostatic precipitation—to remove smoke, grease, mist, and other particulates from the air.

Eliminating Emissions

Dual-stage electrostatic precipitators include two parts: the charging and the collecting sections. In the charging section, the incoming smoke, grease, mist, and other particulates pass through an ionization section which imparts a positive electrical charge to these contaminants. The charged particles are then drawn into a secondary electric field where they are collected on a series of metal plates.

Electronic Air Cleaning





Making a Choice

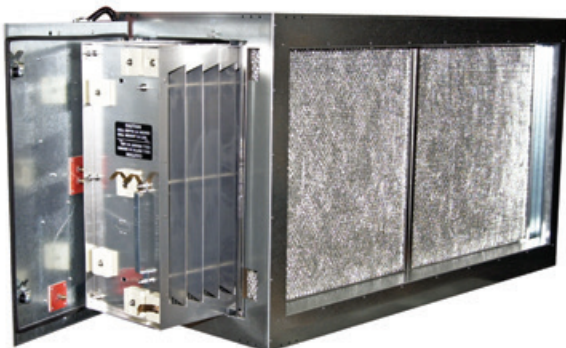
AutoClean™



“ For the ultimate quality and features, choose the AutoClean™—a premier, multi-jet, programmable self-washing system. ”

AutoClean™

- + Self-wash cycle to eliminate filter replacement and electrostatic precipitator cell cleaning
- + Energy efficient units minimize electrical costs
- + Superior quality and construction virtually eliminates maintenance costs
- + Stackable customized modules provide design and installation flexibility for any size installations
- + Up to 99% efficient to ensure clean air
- + Optional carbon filters control odors



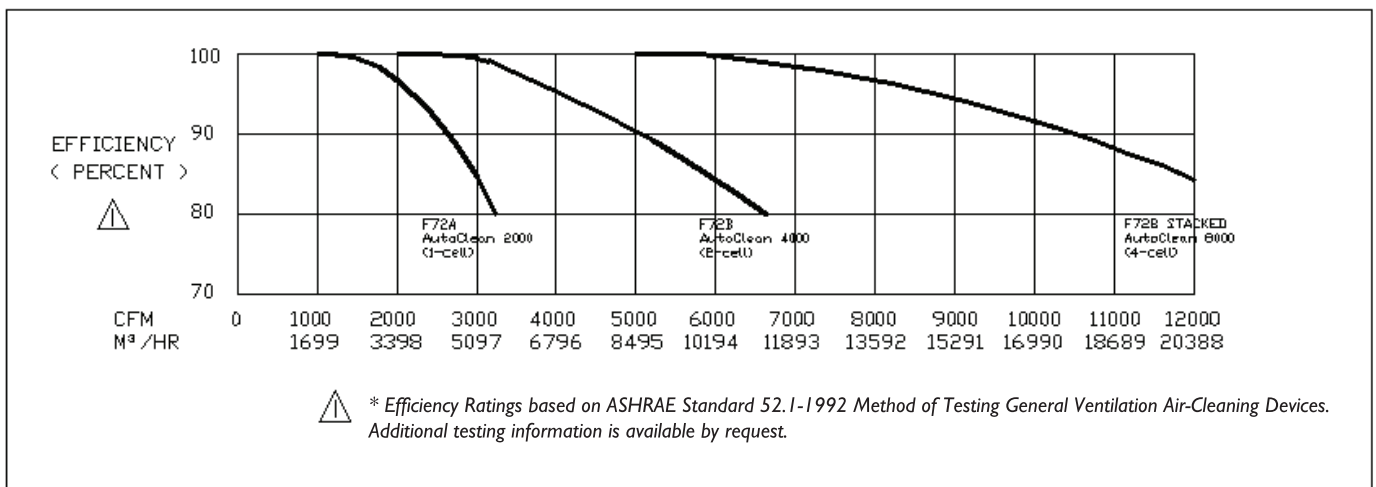
- + Available in galvanized or painted finish
- + Side access door for easy maintenance
- + Stackable customized modules provide design and installation flexibility for any size installations
- + Up to 99% efficient to ensure clean air



Specification

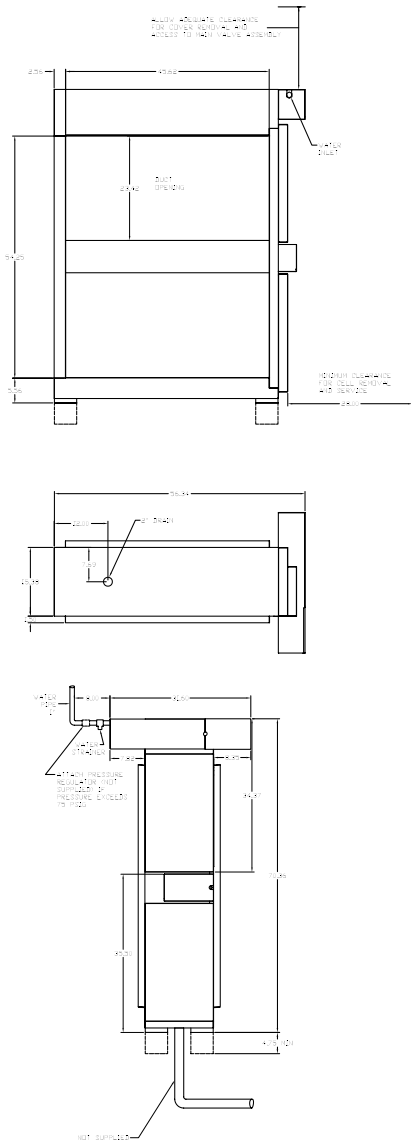
Air Volume (CFM)			Efficiency* (%)	Pressure Drop (Inches Water)
AutoClean™ 2000	AutoClean™ 4000	AutoClean™ 8000		
1000	2000	4000	99	0.06
1500	3000	6000	99	0.12
2000	4000	8000	95	0.22
2500	5000	10000	90	0.33
3000	6000	12000	80	0.49

* Efficiency Ratings based on ASHRAE Standard 52.1-1992 Method of Testing General Ventilation Air-Cleaning Devices. (See more standard details on page 11.) Additional testing information is available by request.



AutoClean™ Electronic Air Cleaner Capacity and Efficiency.

Specifications subject to change without notice.



AutoClean™ 8000

Air Volume (CFM)	4,000	6,000	8,000	10,000	12,000
Minimum Efficiency*	99%	99%	95%	90%	80%
Pressure Drop (in.wg.)	0.06	0.12	0.22	0.33	0.49
Dimension	56.34" W x 75.11" H x 31.6" L				
Duct Opening	45.62" W x 54.25" H				
Unit Weight	530 lbs. installed, 600 lbs. shipping				
Cabinet	16 Gauge welded steel cabinet with a powder coat finish				
Power Supply	100% Solid state Input: 120V, 50/60 Hz, 1 Phase or 240V, 50/60 Hz, 1 Phase Output: Ionizer 9,400 VDC / Collector 4,700 VDC				
Ambient Temperature Rating	Air flow through cells: 40 F minimum, 125 F maximum				
Electronic Cell Specification	Cell Dimensions: 24.25" L x 24.25" W x 10.75" D Collection Area: 240 square feet Voltage Gradient: 20000 volts per inch Ionizer Wires: 11 wires per cell, 0.010 inch diameter tungsten				
Number of Electronic Cells	4 Cells				
Cell Cleaning Method	Programmable Self-Washing System				
Placement Preparation	Hot Water Supply Line: copper pipe 1" Waste Drain Minimum clearance for cell removal: 28"				
After filter (Optional) for Odor Control	Activated Carbon Module which are refillable black powder coated steel panels, 32 panels configure in V-Shaped. Activated Carbon weight 18 pounds per panel. Pressure drop is approximately 0.50" wg at 50 fpm.				
Unit Standard	ETL Listed to: UL 867¹ Standard for Electrostatic Air Cleaners UL 710² Standard for Exhaust Hoods for Commercial Cooking Equipment ASHRAE 52.2-2007³ Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size				



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