

AirChef

Manual Wash

UTO.
A NEW AIR. A BETTER AIR

ESP Electrostatic precipitator

Electrostatic precipitation technology for the efficient removal of smoke, grease, and odors in commercial kitchen exhaust systems.



ESP AirChef

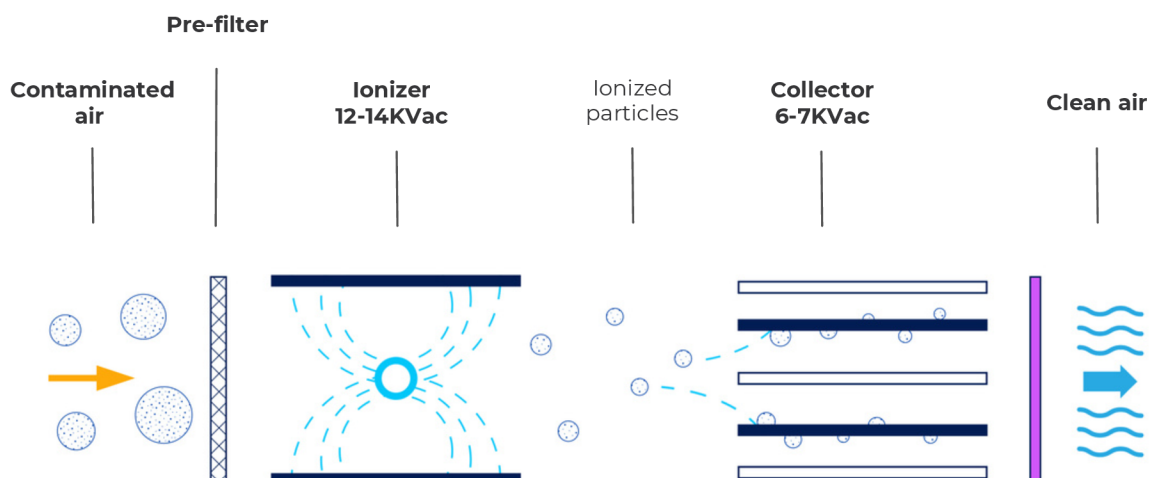
UTO AirChef Manual Wash units seamlessly integrate into kitchen exhaust ducts and can be modularly configured to adapt to any air volume requirement.



It features a washable aluminum mesh pre-filter, and its innovative ionizing section uses a high-intensity magnetic field to generate an electric charge of up to 14KVdc on dry and wet airborne particles. These charged particles are then attracted and collected by a set of collector plates with an electric charge of up to 7KVdc, which repel the particles toward grounded plates, where they adhere and remain until they are washed and removed.

It efficiently removes airborne particles as small as 0.01 microns with minimal pressure drop, making it widely used for capturing dust, oil mist, and kitchen smoke.

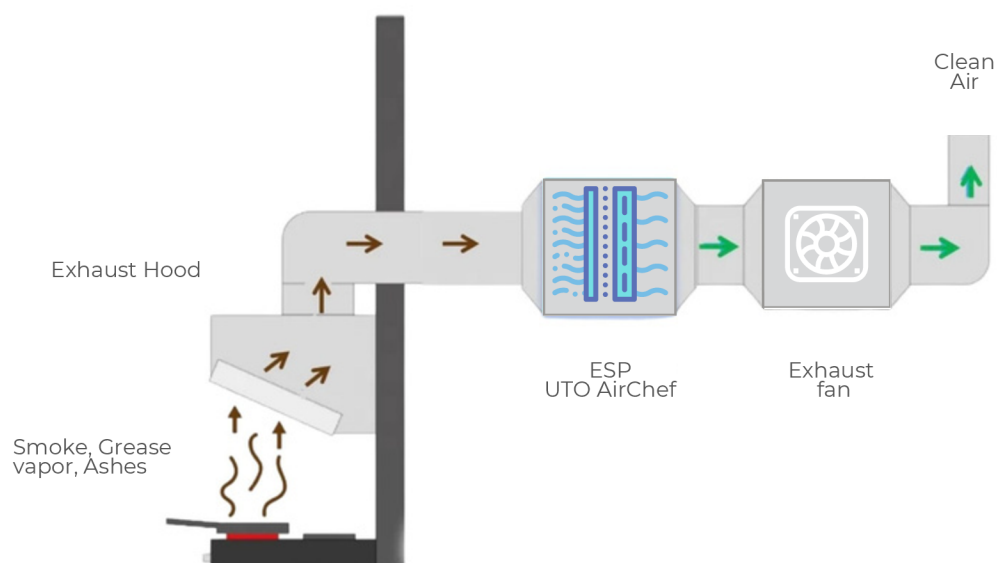
The **AirChef MW** allows for easy removal of the collector cells, simplifying washing and periodic maintenance. It also features an LED operation indicator, helping to maintain efficient cleaning routines.





- The only unit with an **intelligent autonomous system** that optimizes power based on ionization cell saturation.
- Easy access to collector cells for efficient maintenance.
- Easy interlocking with the ventilation unit
- PIL (Permanent Indicator Light): LED indicator for power status, faults, and cleaning alerts.

Installation Overview



Technical Specifications

	AirChef 2000	AirChef 4000	AirChef 6000
Airflow	800 - 2800 cfm	2800 - 5600 cfm	5600 - 8400 cfm
Static Pressure From	33 Pa / 0.13 inwg	33 Pa / 0.13 inwg	33 Pa / 0.13 inwg
Ionizer Voltage	12 a 14 KVdc	12 a 14 KVdc	12 a 14 KVdc
Collector Voltage	6 a 7 KVdc	6 a 7 KVdc	6 a 7 KVdc
Filtration Level	Merv 15	Merv 15	Merv 15
Particle Size	From 0.01 pm	From 0.01 pm	From 0.01 pm
Oil Mist Efficiency*	Up to 96% @ 2060 cfm	Up to 96% @ 4120 cfm	Up to 96% @ 6180 cfm
Odor Efficiency	Up to 90%	Up to 90%	Up to 90%
Number of Cells	1	2	3
Dimensions (LxWxH)**	(76 x 65 x 63) cm	(136 x 65 x 63) cm	(196 x 65 x 63) cm
Weight	54 Kg	88 Kg	120 Kg
Aluminum Cells	1 (16 Kg)	2 (32 Kg)	3 (48 Kg)
External Finish	Electrostatic Powder Coating	Electrostatic Powder Coating	Electrostatic Powder Coating
Pre Filter	Yes - Washable	Yes - Washable	Yes - Washable
Input Voltage (Power)	208-253 Vac 1 ph 60 Hz (50 W)	208-253 Vac 1 ph 60 Hz (75 W)	208-253 Vac 1 ph 60 Hz (105 W)
Detergent Tank	No	No	No
Level Sensor (Detergent)	No	No	No
LED Operation Indicator	Yes	Yes	Yes
Fan Interlocking	Yes	Yes	Yes
Airflow Sensor	Optional	Optional	Optional
Activated Carbon + UV Light Filter Bank	Optional	Optional	Optional
Notifications (Connectivity)	Optional	Optional	Optional
External Display (User Interface)	Optional	Optional	Optional

* May vary depending on the type of kitchen cooking.

** Dimensions can be adjusted according to project requirements, may change without prior notice, and must be confirmed at the time of ordering.



Intelligent Self-Regulation



Multiple Sizes



Low Maintenance Cost



Certified HV Power Supply



Technical Specifications

	AirChef 8000	AirChef 12000	AirChef 16000
Airflow	5600 - 11200 cfm	11200 - 16800 cfm	11200 - 22400 cfm
Static Pressure From	33 Pa / 0.13 inwg	33 Pa / 0.13 inwg	33 Pa / 0.13 inwg
Ionizer Voltage	12 a 14 KVdc	12 a 14 KVdc	12 a 14 KVdc
Collector Voltage	6 a 7 KVdc	6 a 7 KVdc	6 a 7 KVdc
Filtration Level	Merv 15	Merv 15	Merv 15
Particle Size	From 0.01 pm	From 0.01 pm	From 0.01 pm
Oil Mist Efficiency*	Up to 96% @ 8240 cfm	Up to 96% @ 12360	Up to 96% @ 16480
Odor Efficiency	Up to 90%	Up to 90%	Up to 90%
Number of Cells	4	6	8
Dimensions (LxWxH)**	(256 x 65 x 63) cm	(196 x 65 x 110) cm	(256 x 65 x 110) cm
Weight	150 Kg	216 Kg	290 Kg
Aluminum Cells	4 (64 Kg)	6 (96 Kg)	8 (128 Kg)
External Finish	Electrostatic Powder Coating	Electrostatic Powder Coating	Electrostatic Powder Coating
Pre Filter	Yes - Washable	Yes - Washable	Yes - Washable
Input Voltage (Power)	208-253 Vac 1 ph 60 Hz (125 W)	208-253 Vac 1 ph 60 Hz (210 W)	208-253 Vac 1 ph 60 Hz (250 W)
Detergent Tank	No	No	No
Level Sensor (Detergent)	No	No	No
LED Operation Indicator	Yes	Yes	Yes
Fan Interlocking	Yes	Yes	Yes
Airflow Sensor	Optional	Optional	Optional
Activated Carbon + UV Light Filter Bank	Optional	Optional	Optional
Notifications (Connectivity)	Optional	Optional	Optional
External Display (User Interface)	Optional	Optional	Optional

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