

Commercial Kitchen Ventilation Emission Control Solutions



ESP | Electrostatic Precipitator Technology



UL867 and
compliant to
NFPA96, NFPA90A
and NFPA90B



CADEXAIR
EXPERTISE & INNOVATION

LEADING MANUFACTURER IN COMMERCIAL KITCHEN VENTILATION SYSTEMS

Cadexair is a leading provider of commercial kitchen ventilation systems, offering a broad range of products and services to businesses in the Americas and beyond. With a strong focus on quality, innovation, and customer service, Cadexair has established itself as a trusted partner for clients in a variety of industries, including hospitality, healthcare, and foodservice for more than 38 years.



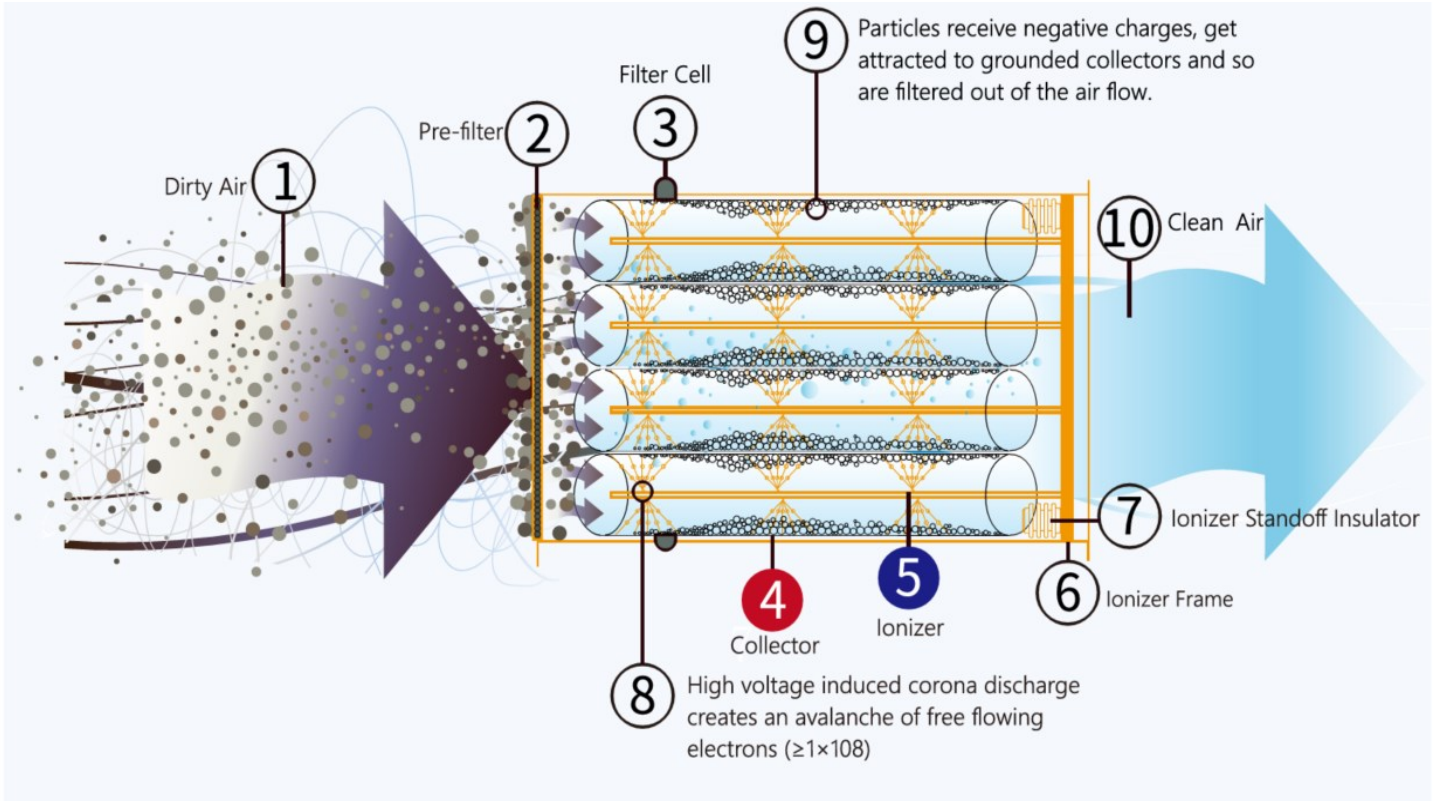
Cadexair provides state-of-the-art ventilation systems that meets your needs no matter what the challenges and requirements demand



HONEYCOMB CYLINDRICAL FILTER CELL



ELIMINATES 98% OF SMOKE PARTICLES



FEATURES AND BENEFITS

Specially Designed For Commercial Cooking Establishments

Safe

Hard-core Safety Features

Primary electrical isolation, access door interlock, keylocking latch, IP55 Electrical Enclosure, the list goes on.

Eliminates up to 98% of Smoke Particles

Smokeless emission at street level, lowered cooking odor, reduced grease build-up in the duct, minimal smoke pollution to the neighbourhood, you name it.

Optional Auto-Clean Function

Improved filtration efficiency, and significant savings in labor and money in a long run.

Versatile Handling Capacity

Single filter handling capacity ranges from 2000 to 72000 m3/h and above, i.e. it can be configured to accommodate almost any air flow.

Efficient

Smart

Flexible

Electrical Safety Guaranteed

Best-selling filters are UL listed and CE certified. All filters are configured with multiple protection schemes.

User-Friendly Interface

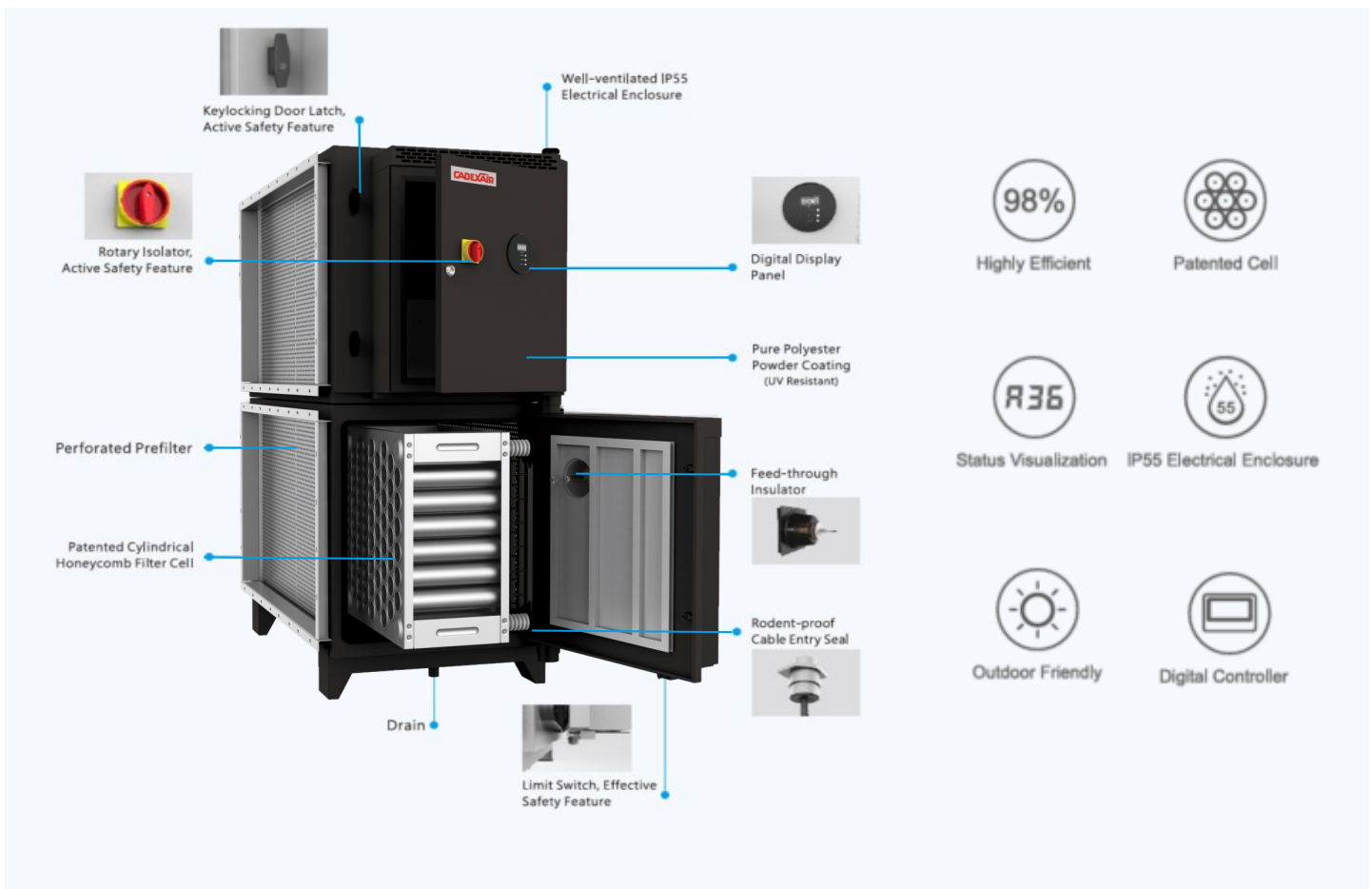
Real-time status readings, intuitive diagnostics and controls, selective operating modes, BMS connectivity, remote control capability, etc are made available.

Bidirectional Airflow Direction

A hassle-free alternative to traditional filters with fixed airflow direction.

"Pick and Mix" Solution

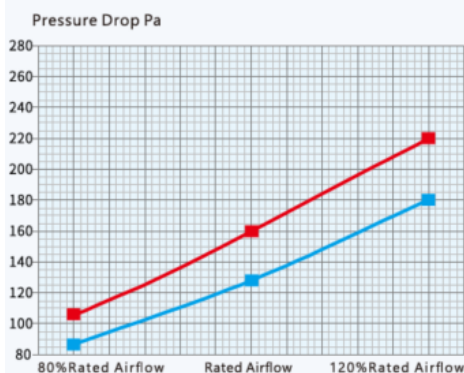
Stackable filter structure and modular selection of add-on features enable contractors to create bespoke integrated solutions.



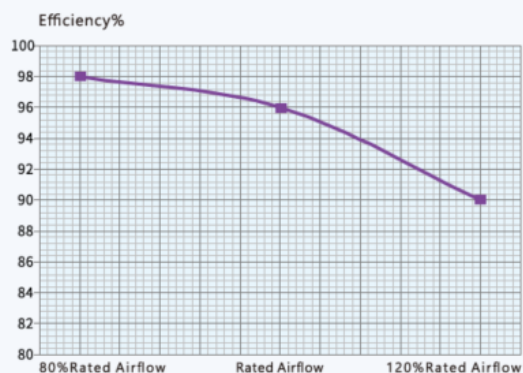
MODELS & CONFIGURATIONS

Series	Model		Dimensions D x H x L (po)	Weight (lbs/kg)	Power (W)
SIMPLE PASS UNIT					
KAC-1-2000	1000 à 2000	CFM	34 x 35 x 29	220 / 100	677
KAC-1-4000	2000 à 4000	CFM	57 x 35 x 29	309 / 140	730
KAC-1-4000(S)	2000 à 4000	CFM STACK	34 x 64.25 x 29	441 / 200	1354
KAC-1-6000	4000 à 6000	CFM	80 x 35 x 29	430 / 195	809
KAC-1-6000(S)	4000 à 6000	CFM STACK	34 x 93 x 5 x 29	661 / 300	2031
KAC-1-8000	6000 à 8000	CFM	57 x 64.25 x 29	542 / 246	1460
KAC-1-8000(S)	6000 à 8000	CFM STACK			
KAC-1-14000	8000 à 14000	CFM	80 x 64.25 x 29	778 / 353	1618
KAC-1-14000(S)	8000 à 14000	CFM STACK	57 x 93.5 x 29	928 / 421	2190
KAC-1-20000	14000 à 20000	CFM	80 x 93.5 x 29	1153 / 523	2427
KAC-1-20000(S)	14000 à 20000	CFM STACK			
DOUBLE PASS UNIT					
KAC-2-2000	1000 à 2000	CFM	34 x 35 x 57.75	441 / 200	1354
KAC-2-4000	2000 à 4000	CFM	57 x 35 x 57.75	617 / 280	1460
KAC-2-4000(S)	2000 à 4000	CFM STACK	34 x 64.25 x 57.75	882 / 400	2708
KAC-2-6000	4000 à 6000	CFM	80 x 35 x 57.75	860 / 390	1618
KAC-2-6000(S)	4000 à 6000	CFM STACK	34 x 93 x 5 x 57.75	1322 / 600	4062
KAC-2-8000	6000 à 8000	CFM	57 x 64.25 x 57.75	1084 / 492	2920
KAC-2-8000(S)	6000 à 8000	CFM STACK			
KAC-2-14000	8000 à 14000	CFM	80 x 64.25 x 57.75	1556 / 706	3236
KAC-2-14000(S)	8000 à 14000	CFM STACK	57 x 93.5 x 57.75	1856 / 842	4380
KAC-2-20000	14000 à 20000	CFM	80 x 93.5 x 57.75	2305 / 1046	4854
KAC-2-20000(S)	14000 à 20000	CFM STACK			
TRIPLE PASS UNIT					
KAC-3-2000	1000 à 2000	CFM	34 x 35 x 86.75	660 / 300	2031
KAC-3-4000	2000 à 4000	CFM	57 x 35 x 86.75	927 / 420	2190
KAC-3-4000(S)	2000 à 4000	CFM STACK	34 x 64.25 x 86.75	1323 / 600	4062
KAC-3-6000	4000 à 6000	CFM	80 x 35 x 86.75	1290 / 585	2427
KAC-3-6000(S)	4000 à 6000	CFM STACK	34 x 93 x 5 x 86.75	1983 / 900	6093
KAC-3-8000	6000 à 8000	CFM	57 x 64.25 x 86.75	1626 / 738	4380
KAC-3-8000(S)	6000 à 8000	CFM STACK			
KAC-3-14000	8000 à 14000	CFM	80 x 64.25 x 86.75	2334 / 1059	4854
KAC-3-14000(S)	8000 à 14000	CFM STACK	57 x 93.5 x 86.75	2784 / 1263	6570
KAC-3-20000	14000 à 20000	CFM	80 x 93.5 x 86.75	3459 / 1569	7281
KAC-3-20000(S)	14000 à 20000	CFM STACK			

ESP Pressure Drop Curve



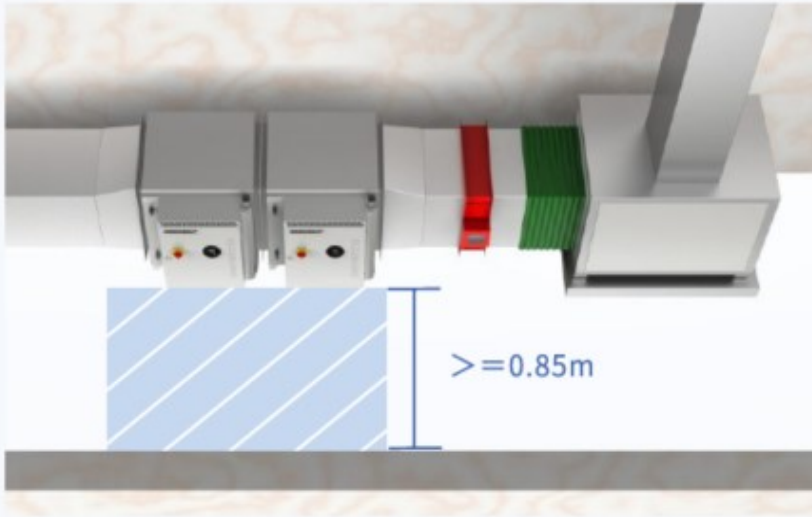
ESP Efficiency Curve



■ KAC Series 4K-8K
■ KAC Series 12K-72K

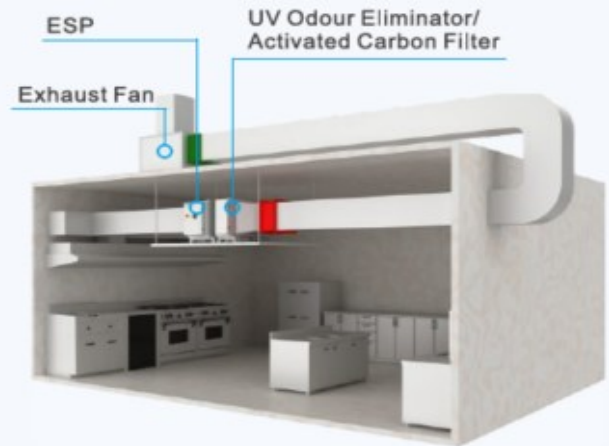
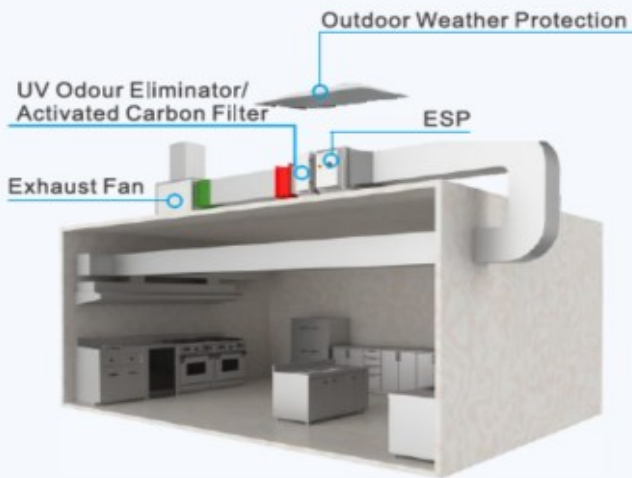
■ KAC Series

INSTALLATION SCENARIOS

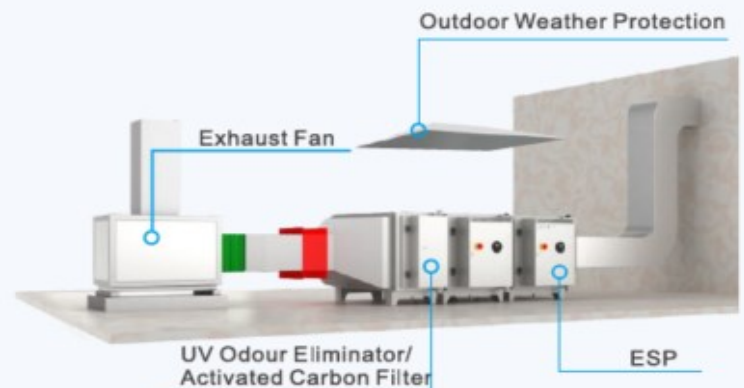
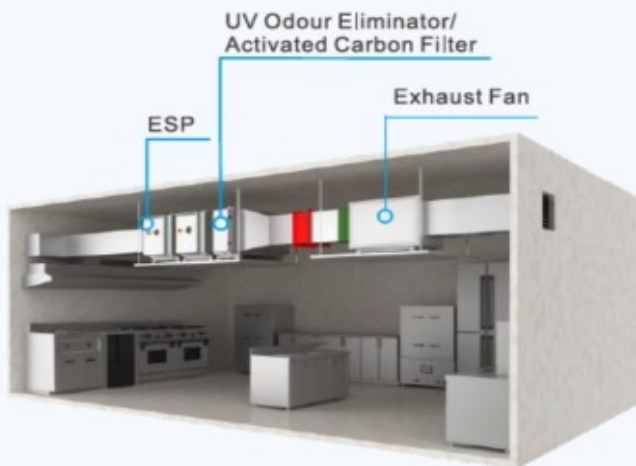


Minimum Clearance
for Servicing and Maintenance

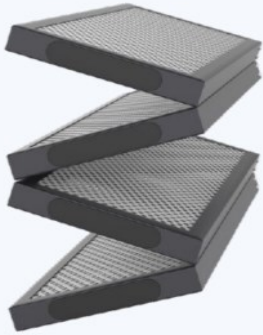
High Level Discharge ESP/ Indoor Installation



Low Level Discharge ESP/ Outdoor Installation



OPTIONAL | ACTIVATED CARBON FILTER



Modular V-bank Carbon Filter

The carbon-rechargeable panels brings in lots of savings in a long run. The V-shape allows for larger receiving surface and longer dwell time; The modular design provides ease of installation and maintenance for the serviceman.

The aluminium alloy carbon casing is light-weighted and highly durable.



V Shape Carbon Panels



Aluminium Alloy Carbon Casing



Modularized Construction



Coal-based Cylindrical Carbon



Carbon Refill with Ease

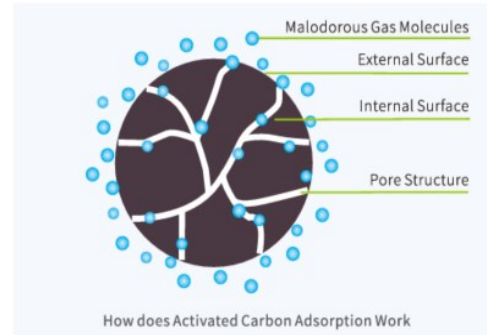
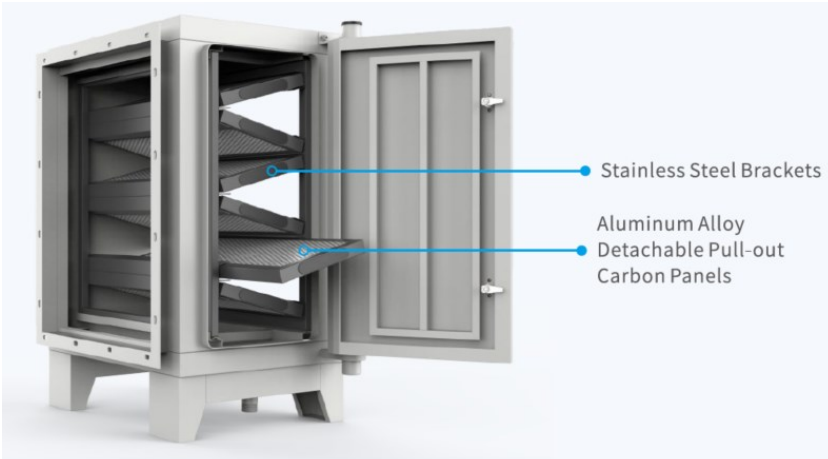


Highly Effective in Odor Removal



Coal-based Cylindrical Activated Carbon

Series	Model	Length in inches (mm)	Weight in lbs (kg)
KAC-X-2000	1000 to 2000CFM	20.75 (528)	104 (47)
KAC-X-4000	2000 to 4000CFM	20.75 (528)	207 (94)
KAC-X-4000(S)	2000 to 4000 CFM (Stack)	20.75 (528)	207 (94)
KAC-X-6000	4000 to 6000 CFM	20.75 (528)	311 (141)
KAC-X-6000(S)	4000 to 6000 CFM (Stack)	20.75 (528)	311 (141)
KAC-X-8000	6000 to 8000 CFM	20.75 (528)	414 (188)
KAC-X-14000	8000 to 14000 CFM	20.75 (528)	725 (329)
KAC-X-14000(S)	8000 to 14000 CFM(Stack)	20.75 (528)	725 (329)
KAC-X-20000	14000 to 2000 CFM	20.75 (528)	1039 (470)



OPTIONAL | AUTO CLEAN SYSTEM (in development, coming soon)



OUR ELECTROSTATIC TECHNOLOGY DEPLOYMENTS



Sugar Marmalade (Ottawa)



Restaurant Alya (Montreal)



Geibs Dining Hall (Moncton)



Ristorante Donato (Westmount)



La Poule Mouillée (Montreal)



Chez Lionel Brasserie (Brossard)



Bacaro Pizzeria (Montreal)



Microbrasserie Pavillon Noir (La Baie)



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