

TM
ESPAIR
ODOR REMOVER



Activated Carbon V Bank
(For Kitchen Odor Removal)
EACF Series

ESPAIRTM

ODOR REMOVER

ACTIVATED CARBON V BANK (ODOUR CONTROL SYSTEM)

EACF SERIES

ESPAIRTM EACF4000 and EACF6000 Carbon V bank are designed to remove and control gas / vapor contaminants. Both models can be incorporated to the **ESPAIRTM** KET Series Electrostatic Air Cleaner units specifically for the control of cooking odour.

GENERAL CHARACTERISTICS

Activated carbon is acknowledged in the industry as a tried and tested gas adsorbent with various applications. Organic compounds are retained on the surface of the carbon by the Van der Waals forces or weak inter-molecular forces. Activated Carbon is manufactured by the controlled burning of such carbon rich materials as coal, wood and nut shell, Then through steam or chemically activated carbon.

ESPAIRTM activated carbon filters shall be CTC activity of above 60% (CCl4) measured by ASTM standard test method D3467-88. A CTC activity value of 60% shall absorb 60% of its weight in CCl4.

Chemically impregnated carbons are available to better control of both acid and base gases such as H₂S, SO₂, NO_x, HCl, HF, Methyl Mercaptan, active sulphur composites, ammonia, formaldehyde and highly volatile radioactive organic iodides in Air and CO₂.



ESPAIRTM ACTIVATED CARBON MEDIA

ESPAIRTM activated carbon are coal-based carbon with CTC activity rate at least 60% and iodine rating of 1050mg. Various Impregnated carbon are used for different applications to remove specific or various vapours or fumes.

ECA1: Organic Vapours and odours

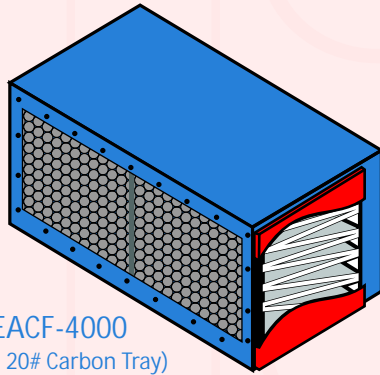
ECA2: Impregnated carbon for Acid fumes

ECA4: Impregnated for acid, alkaline and various fumes

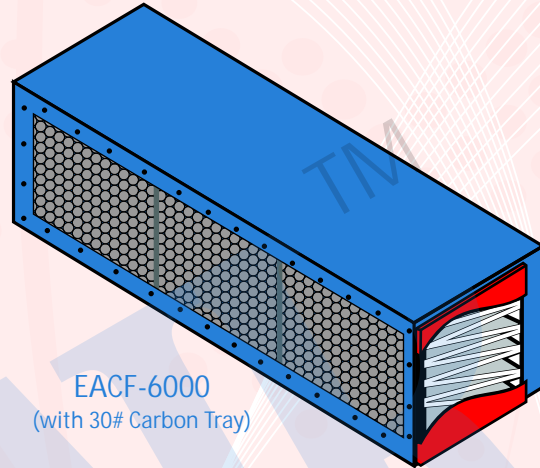
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EACF-4000
(with 20# Carbon Tray)



EACF-6000
(with 30# Carbon Tray)

MODEL	EACF-4000	EACF-6000
Unit	H: 534mm, W: 1025mm, L: 800mm	H: 534mm, W: 1525mm, L: 800mm
Cabinet	1.6mm MS Powder Coated / SS	1.6mm MS Powder Coated / SS
Gross Weight	115 KG	170 KG
Weight of Carbon	80Kg (with ECA1), 130Kg (with ECA2/4)	120Kg (with ECA1), 190Kg (with ECA2/4)
Nos. of Carbon Tray	20 pcs	30 pcs
Sizes of Carbon Tray	625 x 500 x 22 mm	625 x 500 x 22 mm
Filter Frame Material	GI / Al / SS	GI / Al / SS
Air Flow Capacity	Max. 4000 cfm	Max. 6000 cfm
Residential Time	0.1 to 0.2 Sec	0.1 to 0.2 Sec
Air Flow	Left to Right, Right to Left	Left to Right, Right to Left
Initial Resistance	90 Pascal	90 Pascal
Final Resistance	250 Pascal	250 Pascal
CTC Adsorption	Above 60%	Above 60%
Prefilter	MERV-8	MERV-8

Option : Honeycomb Activated Carbon Filter Trays can also be offered in place of Flat Bed Pelleted Carbon Trays. These are designed with Honeycomb Carbon with PP netting at upstream and downstream side. The corrugated honeycomb design ensures higher airflow with equal carbon bed thickness.

For over 15 years, Espair Corporation have designed and manufactured air cleaners for commercial, industrial, residential and special purpose application.

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ESPAIRTM
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