



# ACTIVATED CARBON FILTER

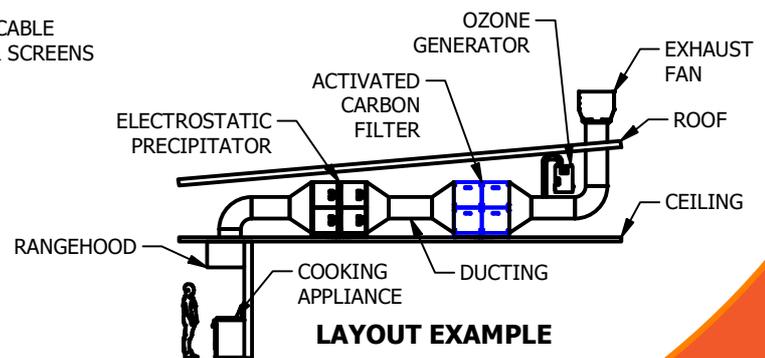
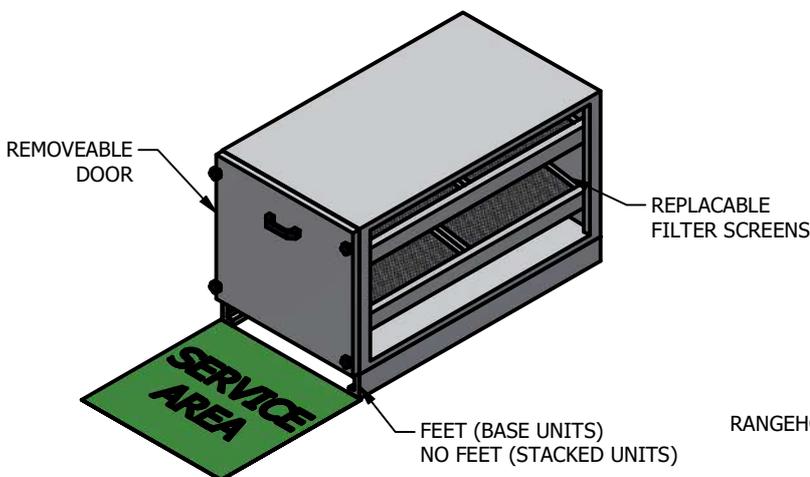
Cavalier's activated carbon units are specifically made for the control of the emission of cooking odour. The activated carbon bank is designed to control and eliminate gas and vapour contaminants in the removal of harmful odours and chemicals.

Carbon filters operate through the process of absorptions, as the structure of carbon is a natural absorber. The nominal pore diameter of activated carbon granule is 0.4 nanometre.

Carbon filtration units are manufactured from raw materials. We use target specific activated and blended carbon in granule form. This process purifies the once contaminated air from commercial kitchen, leaving air pollution to a minimum at the discharge location.



Activated carbon granule with a nominal pore diameter of 0.4 nanometer can absorb large molecules of soot & odour.



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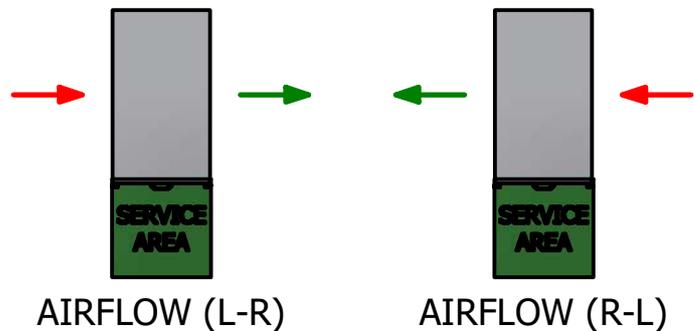
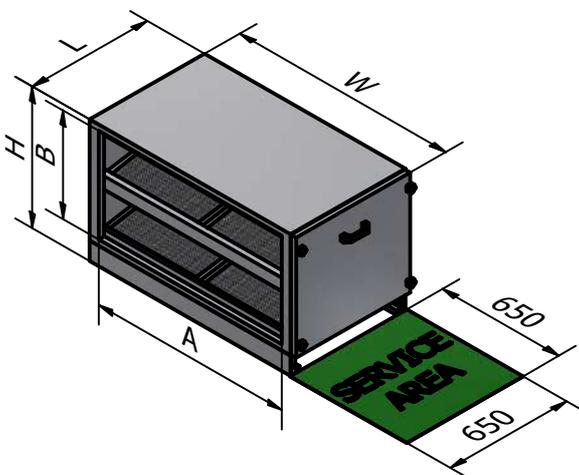
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## ACTIVATED CARBON FILTER

Model	CV-ACF-1S	CV-ACF-2S	CV-ACF-3S	CV-ACF-4S
Cabinet Size L*W*H (mm)	640*615*690	640*1150*690	640*1690*690	640*2220*690
Flange Size A*B (mm)	485*530	1020*530	1560*530	2090*530
Airflow (CMH)	300-1000	600-2000	900-3000	1200-4000
Gross Weight (kg)	60	115	160	200
Carbon Net Weight (kg)	14	28	42	56
No. of Carbon Tray (PCS)	4	8	12	16
Cabinet Material	Carbon Steel (1.2mm)			
Finishing	Powder Coated (White)			
Carbon Iodine Value (mg/g)	1000			
Carbon Tray Size (mm)	570*540*25			
Airflow Direction	Left-Right / Right-Left			
Static Pressure (Pa)	200			
Maintenance Space (mm)	650*650 (Minimum)			

(Design factors for your layout may alter the values shown)

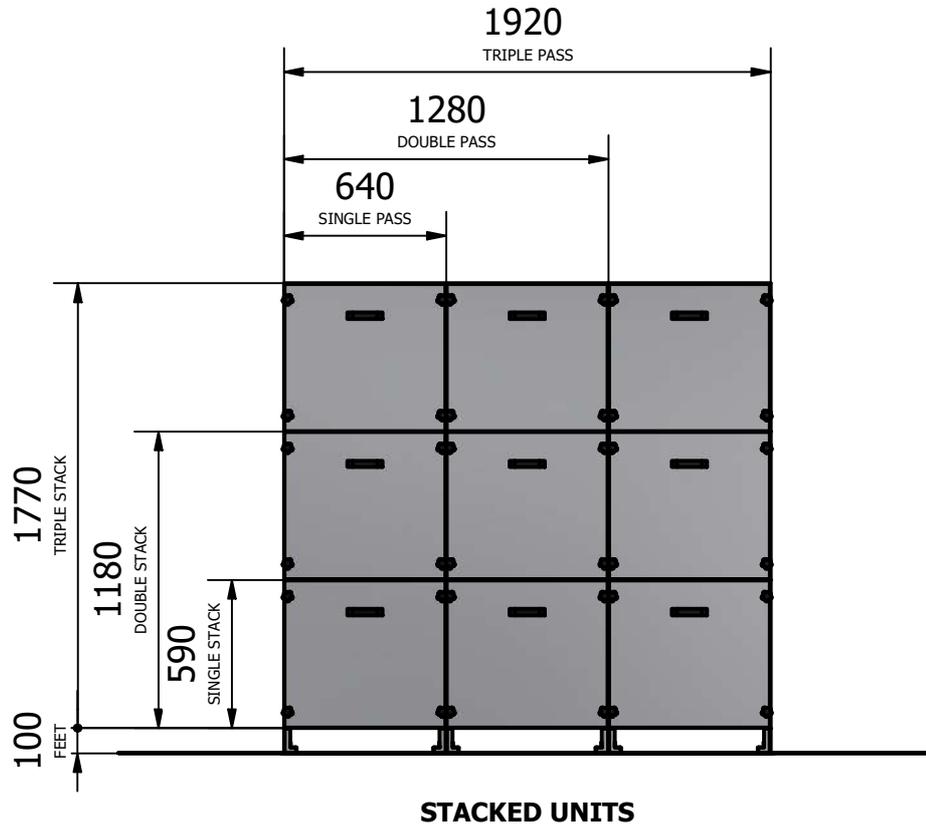


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Cavalier's Carbon Filters are modular in design and can be attached to our Electrostatic Precipitator units.

## REPLACEMENT PARTS AVAILABLE



**CARBON TRAY**  
CAVAIR-ACF-CBT



**DOOR KNOBS**  
CAVAIR-ACF-NOB



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