



AIRCLEAR POLLUTION CONTROL PTE LTD

乙弘环境污染净化设备

1 Yishun Industrial Street 1, #06-11, A'Posh Bizhub, Singapore 768160

Telephone : 6458-2868 Fax : 6458-7828

Website : www.aircleanpc.com Email : sales@aircleanpc.com



Activated Carbon Filter (ACF) Units

Description:

From the design & fabrication to tank & piping installation at site, we offer turn-key solutions to your air pollution control needs.

Our activated carbon Filters (ACF) are custom design suitable for various application, such as VOC, Acid / Alkaline Fumes, and Odour Controls. They are installed for process exhaust system, where removal is carried out by adsorption principle.

Our FRP constructed carbon filter can be custom designed to suit site requirements where space might be a concern.

All our ACF units come with Single and/or Double carbon bed configuration depending on the specified applications. Accessories such as View Ports and Manhole are also available for easy access maintenance.





AIRCLEAN POLLUTION CONTROL PTE LTD

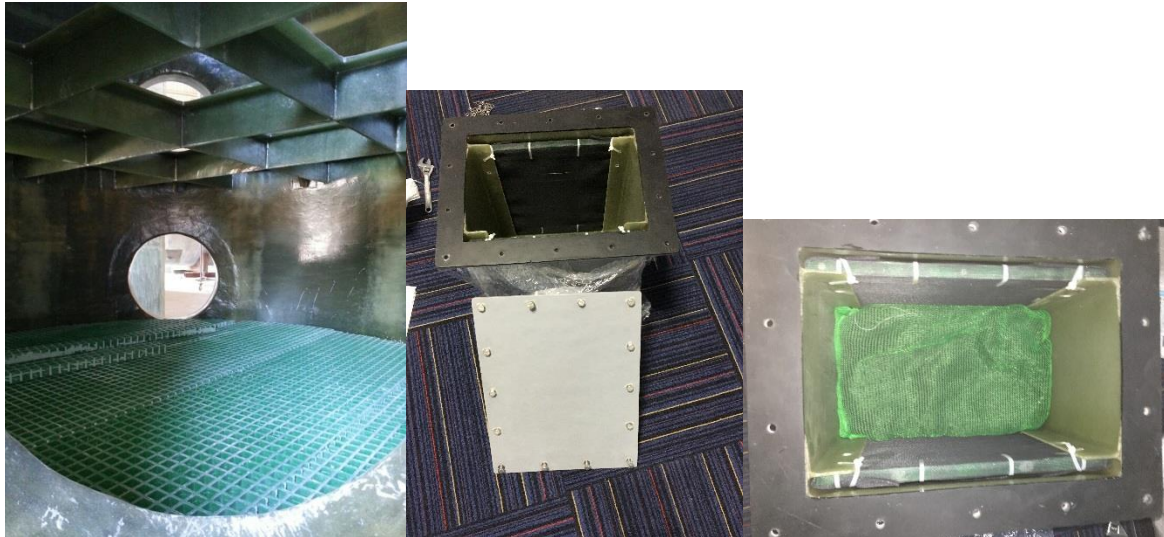
乙弘环境污染净化设备

1 Yishun Industrial Street 1, #06-11, A'Posh Bizhub, Singapore 768160

Telephone : 6458-2868 Fax : 6458-7828

Website : www.aircleanpc.com Email : sales@aircleanpc.com

ACF Internal (Single and Double Beds)



Technical Specification (General)

Product	: Activated Carbon Filter Units
Application	: Gas Adsorption (process from various Industries)
Capacity	: 20 to 100,000 m ³ /hr (CMH)
Shape	: Round / Square / Rectangular or Custom.
Thickness	: Approx. 4 mm (Minimum)
Type of Fabrication	: Handlay method
Material of Construction	: FRP (Fibreglass Construction), VE / ISO & FR Resin available.
Optional Accessories	: Internal supports / View ports / Manholes / Sampling Ports etc.



Carbon Media (GTW-206, Alkaline Base)

Technical Data Sheet



Impregnated Gas Filter Media--GTW 206

Alkali Impregnated Activated Carbon

GTW 206 alkali impregnated gas filter media is palletized carbon made from selected activated carbon, which is based higher quality Bituminous coal, activated under steam process control conditions to yield a strong, dense, very active product. It is specially designed vapor phase adsorption. The resultant product incorporates activity, selectivity and stability, and provides good catalysis and all purpose protection. It has big specific surface area, suitable pore structure and high mechanical strength. It can withstand high temperatures and high pressures. It cannot easily be tattered. It can be easily regenerated and long using lifetime. Special impregnation technologies are developed in Singapore with enhanced capacities of removing pollutants.

Specification:

Chemical Content	NaOH or KOH, 7%
Appearance	Black cylinder shape pellet
Iodine number	>1000mg/g
Butane number	>25
Carbon tetrachloride	>60%
Moisture	<15%
Hardness	>95%
Ash	<6%
Bulk Density	0.55~0.65kg/l
Referred Capacity	>50% HF by wt >50% HCl by wt >45% BrCl by wt >40% Acetic acid >14% H ₂ S by wt >6% SO ₂ by wt >7% NO ₂ by wt >20% Toluene by wt >20% Trichloroethane by wt >10% chlorine by wt

Size:

φ1.5±0.2mmxL2-6mm; φ3.0±0.3mmxL3-12mm

φ4.0±0.2mmxL4-12mm; φ5.0±0.3mmxL5-12mm

Application areas:

Pulp & Paper Mills, Refineries and Petro-chemical Plants, Steel and Aluminum Manufacturing Plants, Power Generation Plants, Mining and Metallurgy Industries, Sewage Treatment Plants and Pumping stations, Laboratories and Pharmaceutical Plants, Commercial Printing Plants, Clean Rooms, Food Processing Plants, Office Buildings, Museums ,Hospitals, Casinos, Schools, Cafeterias, Convention Facilities, Airport Terminals, Specialty Storage Areas