

## Bin Store Ventilation c/w Air Filtration System

A solution to odour controlled mechanical ventilation for bin / refuse stores.

- A Solution to mechanical ventilation in Bin / Refuse Stores
- Includes Particulate and Gas Filtration for the reduction of nuisance odours.
- Speed Controllable EC Fan included.
- Double Skinned and Insulated Pentapost Construction offering a low noise solution.
- Can be used as part of a nuisance mitigation solution for local authority / environmental health requirements for new bin / refuse stores.



### Applications

Bin / refuse Stores require sufficient ventilation to minimise the build-up of gases and odours which arise from rotting waste and bacteria.

By ventilating a bin store appropriately, the environment is improved for users of the bin store, and potential odour nuisance issues for local residents can be avoided.

Where natural ventilation is insufficient, or not an option, the Airclean Bin Store Filtration System offers a Fan + Filter Solution for extracting air removing harmful particulates and gases before discharging the air to atmosphere.

The Bin Store Filtration System can be installed inside the bin / refuse store and be ducted to discharge filtered clean air to atmosphere. Particulates and Gas Air Filters are easily accessible for future maintenance.



### How does it work?

The Bin Store Air Filtration System is fabricated using an Aluminium Pentapost construction with double skinned and insulated panels to dampen breakout noise from the system. The outer panels are finished in a leatherette plastic coated steel, meaning the overall box can be wiped down and cleaned easily.

Air is drawn through an intake double deflector grille, and then passes through a particulate filter, and then a series of deep bed of Airclean Type 1 Activated Carbon Filters operating at a 0.2 second contact time ensuring the significant reduction of odorous and harmful gases associated with bin stores. Air is discharged from the bin store filtration system through a 150 Diameter spigot which can then be joined to a ducted system to discharge clean air outside.

### Technical

Power : 80 Watts, Single Phase, 240V, 1amp  
 External Pressure at Rated Airflow : Approx. 100Pa  
 Intake – Double Deflector Grille  
 Discharge – 150 Diameter  
 Filter Life – Particulate Filters – 6-12 Months Max Approx.  
 Gas Filters – 1-2 Years Max Approx.

Part Number	Description	Airflow (m <sup>3</sup> /hr)		Weight	Dims. (mm)				Included Filters
		Rated	Boost		H	W	L	Spigot*	
1908853	Bin Store Filtration System - <b>STD</b>	180	400	65kg	290	350	1350	150	PM10 + GAS
1908854	Bin Store Filtration System - <b>XL</b>	360	550	80kg	290	650	1350	150	PM10 + GAS

\*Spigots are a male connection on Outlet (e.g. manufactured 5mm less than the dimension stated). Deflector Grilles on Inlet.