

100mm Odour Vent Filter

Designed for use in Vent stacks, holding tanks, pump stations and sump air vents
Suited for 100mm vent and can be adapted for different vent pipe sizes.
Our vent filters are designed for passive or ambient air flow and are not suitable for applications where blowers or fans push or force air.



Filter cartridge

Applications:

Odour vent filters operate by adsorbing and retaining chemical compounds, which may undergo chemical conversion and/or biological treatment. They provide a means of odour management by removing odours in waste air streams. Gases may contain toxic and odours compounds, including hydrogen sulphide gas, acidic gases, volatile organic compounds, and hydrocarbons. Different carbons can be added to our odour vent filters.



Technology background:

Carbon Filtration Solutions odour vent filters use a combination of 2 different coal base or coconut base activated carbons in 3/4mm pelletised carbon media, for the treatment of waste airstreams containing noxious gases.

What sets us apart:

Our vent filters have a replaceable PVC cartridge inside the body, which contain 2 grades of Highly activated cylindrical shaped carbon Pallets, each grade of carbon used is activated for the Hydrogen Sulfide molecule. (H₂S) or Volatile organic compounds (VOCs).

We also have a commercial grade carbon made from coconut shell-based carbon that has a higher sewer gas absorption capacity and is made for a longer life. It is perfect for heavy Hydrogen sulfide applications, also been made from coconut shell it is a renewable raw material source (Green Carbon)

Filter media cartridges:

All odour vent filters are supplied with a replaceable cartridge installed that can easily be changed by operators when the activated carbon cartridge is exhausted.

Carbon Filtration Solutions filter media cartridges are designed to:

- 65 grams of Activated carbon per filter cartridge
- Dimensions: 225mmH x 165mmW, (allow 30mm extra width for hat)
- Weight: 1.85Kg
- Support the filter media in separate layers
- Permit easy access for maintenance and filter media cartridge exchange
- Permit safe handling and replacement of filter media cartridge
- Suitable for emission flow rates up to 9L/s
- The spent cartridge can be disposed into landfill
- Inspection frequency every 6 months
- Media replacement 10-12 months

Commissioning and testing:

It is not possible to conduct treatment performance test on the odour vent filters prior to installation as each site will have unique and varying contaminant concentrations, flow rates and flow characteristics. Typical change over frequency of the odour vent filter housing is between three and five years. The filter media cartridge replacement frequency is dependent on the waste air inflow characteristics over its operational lifetime.

Once the filter is saturated replacement of the activated carbon cartridge are readily available from CARBON FILTRATION SOLUTIONS PTY LTD

E-mail: sales@carbonfiltrationsolutions.com.au