

# Activated carbon filters



Aromatrix carbon filters utilize activated carbon or other impregnated adsorbents to treat a wide range of gaseous pollutants such as hydrogen sulphide, mercaptans, dimethyl sulphide and other volatile organic compound (VOCs) that are emitted from municipal and industrial wastewater treatment systems. Aromatrix can design the filters using virgin activated carbon and impregnated chemical media for various gaseous pollutant components with higher than 99.0% treatment efficiency.

## Our Media

The most common adsorbents used in our systems include:

- Palletized Virgin Activated Carbon for a wide range of pollutants

- KOH or NaOH Impregnated Carbon for removal of acidic gases, e.g. hydrogen sulphide (H<sub>2</sub>S)
- KMnO<sub>4</sub> Impregnated Alumina for specific gas removal applications

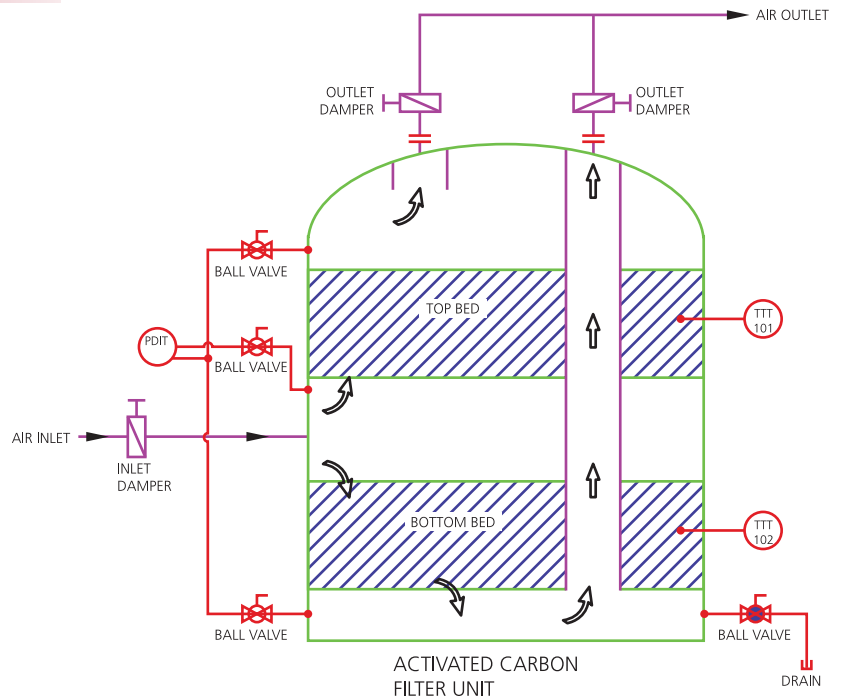
## Main Advantages of Aromatrix Activated carbon filters

- Immediate operation and guaranteed high treatment efficiencies
- Low pressure drop (Low electrical power consumption during operation)
- Low investment cost and easy installation
- Easy media replacement
- Use of FRP tanks provides excellent corrosion resistance

# Custom Design

ALL Aromatrix activated carbon filters are custom designed. This "tailor-made" approach allows us to design and deliver the most optimal and cost-effective solution that incorporate and prioritize key parameters such as capacity upgradability, treatment efficiency, ease of operation, safety, reduced footprint which result in low capital and operating costs.

Our comprehensive selection of activated carbon filters range from a simple plug-and-play skid mounted tower unit to a mission-critical system fully integrated with the plants' existing processes and automation logic, and able to provide for multiple operating scenarios.



# Applications

- Waste-water treatment plants,
- Refuse transfer stations
- Landfill & Leachate Treatment plants
- Sewage pump stations
- Emergency Gas Scrubbers
- Refineries and Chemical plants

# Worldwide Installations



▪ **Enquiry** : [sales@aromatrix.com.au](mailto:sales@aromatrix.com.au)

▪ **Web-site** : [www.aromatrix.com.au](http://www.aromatrix.com.au), [www.aromatrix.com.hk](http://www.aromatrix.com.hk)