

Cocofil™ Odour Control Solutions

Elixir Enviro Systems (P) Ltd (EES), provides complete solution for odour emissions Process Industries, Sewage Treatment Plants, Municipal Solid Waste Treatment Plants, and commercial establishments. EES undertakes turnkey supply and installation of biological gas treatment system for odour control.

An odour control system has two main components

- Exhaust collection and ventilation system
- exhaust gas treatment system

EES custom designs and installs exhaust ventilation and exhaust gas treatment for each application.



64,000 m³/h capacity Biofilter

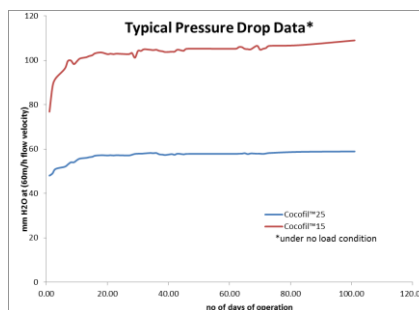
Odour is the result of complex mixtures of volatile gas compounds. The compounds containing odour are destroyed in Gas Biofilters and Gas Bioscrubbers. EES selects a system most suited for an application considering factors such as required odour removal efficiencies, flow and inlet odour concentration, type of chemical species in the odour, variability in flow and load, space requirements and infrastructure (power, drainage, etc). Elixir Gas Biofilter **Cocofil™** is the most cost effective and eco-friendly option in many cases. Elixir Gas Biofilter **Cocofil™** does not consume chemicals, produces no waste products and has very low energy consumption.

Depending on the industry, the exhaust air is pre-conditioned with water scrubber, chemical scrubber or a bioscrubber before the **Cocofil™** Gas Biofilter. EES studies the requirement and selects the pre-conditioning required for the specific industry. **Cocofil™** Gas Biofilter employs bacteria to remove undesirable components from the waste gases. The waste gases are pumped through **Cocofil™** pre-inoculated with sufficient microbial biomass. Upon absorption in the filter material, microorganisms break down the polluting components and transform them into harmless products - carbon dioxide, mineral salts and water. **Cocofil™** is fully active and start-up is immediate at switch on.



20,000 m³/h capacity Biofilter

Cocofil™ is formulated to remove mineral salts formed during treatment of nitrogen, sulphur and chlorine containing volatile organic compounds. **Cocofil™** has long life, as it is a very stable but organic material, provide the most hospitable moist surface for microbial growth. **Cocofil™** is available in low pressure and higher pressure variants suitable for high strength emissions. EES works with users to select the product suitable for their application.



Product name	Application	Removal efficiency	Pressure drop	Life
Cocofil™15	For high intensity odour streams	H ₂ S > 99% Odour >95%	Less than 140 mm W.G. at 60 m/h velocity	3 years
Cocofil™25	For low intensity odour stream	H ₂ S > 99% Odour >95%	Less than 75mm W.G. at 60 m/h velocity	3 years