

FilterBin™

Portable On-site Filtration



PORTABLE ON-SITE FILTRATION

FilterBin™ was developed and patented by Bioaction to provide an efficient and cost effective solution for operators and contractors to safely manage industrial and environmental wastewater disposal and reduce the incidence of potential environmental contamination.

The applications for on-site filtration includes:

- Infrastructure manholes and in-ground manway accesses
- Drainage pits
- Retention and settlement ponds
- Liftwells
- De-watering contaminated sites
- Oil tank retention tanks and bunds

The system offers significant cost benefits over traditional wastewater removal costs, hazardous waste disposal costs and the reduction of downtime. Designed to use standardskip bin transport, the FilterBin™ can be delivered directly to the point of processing.



FLOW RATE & CAPACITY

FilterBin™ has been designed for simple site management whereby flow rates and capacity can be managed by untrained staff. Inflow is predetermined by a control restrictor which allows the wastewater to be pumped with a range of pumping options. FilterBin™ can be setup in series to increase capacity or in parallel to increase flow volume. Once set all the FilterBins™ operate at the same rate. The standard FilterBin™ format can process up to 200 litres per minute within overall capacity of 300,000 litres depending on the contaminate and its loading.

FilterMedia™ ORGANIC FILTER MEDIA

Bioaction have advanced the application of organic media for a range of environmental filtration applications. FilterBin™ has been designed to apply this media and the "bottom-up" filter design means that there is even infiltration throughout the filter bed to maximise the contact time with the media. Further advances have been made in amending the filter media for specific filtration needs. These amendments are natural mineral and organic inputs that match the media so not to create stratas or disaggregation.

REDUCE ENVIRONMENTAL CONTAMINATION

FilterBin™ minimises the risk of environmental contamination which is a responsibility of any contractor or operator. FilterBin™ provides a significant management process to manage risk and deal with many of the common wastewater contaminants:

- Hydrocarbons
- Ammonium - Organic
- High level BOD's
- Acid Sulphate Soil leachate
- Suspended solids

