



DEEP BED MEDIA FILTRATION (DBMF)

Efficient deep bed media (polishing) filters engineered for enhanced suspended solids removal and turbidity reduction.

OVERVIEW

Enviro Concepts Deep Bed Media Filtration Kits are designed to be the polishing stage for pre-settled and oil-separated wastewater.

The Deep Bed Media Filter uses the latest generation in filtration media which has proven capacity to screen impurities down to as low as 3 to 5 μm (micron). It also reduces turbidity down to <0.1 NTU. It does this by having special filtration abilities such as physical and electrostatic adsorption and ion-exchange.

The high surface area and extensive porosity of the specialised media makes it the perfect filtration media for any application where solids removal is essential to the process.

APPLICATIONS

- Mine Vehicles and Equipment Wash Effluent
- Wash Effluent Treatment for Industrial Wash and Mechanical Workshops
- Storm and Ground Water Treatment
- Mine Accommodation Waste Treatment
- Logistics and Hire Companies
- Quarantine and Weed/Seed Hygiene
- Light and Heavy Vehicle Wash Facilities
- Sea Water Desalination Pre-Treatment
- Recycled Water Treatment

SPECIFICATION

Feed Water Source:	Pre-settled and clarified effluent (after dissolved air flotation or oil water separation)
Flow Capacity:	20-250 L/min
Filtration Capacity:	As low as 3 micron particle size, and 0.1 NTU of turbidity
Filter Head:	Automatic Filter Head with Flow Controllers
Valve Material:	Brass
Pressure Vessel Capacity:	115 L to 490 L
Pressure Vessel Material:	Polyethylene Lined with Fibre Reinforced Plastic External Shell
Media:	Natural Zeolite (Clinoptilolite Zeolite)
Polish Tank Capacity:	1000 L - 10,000 L
Polishing Tank Material:	Low Density Polyethylene