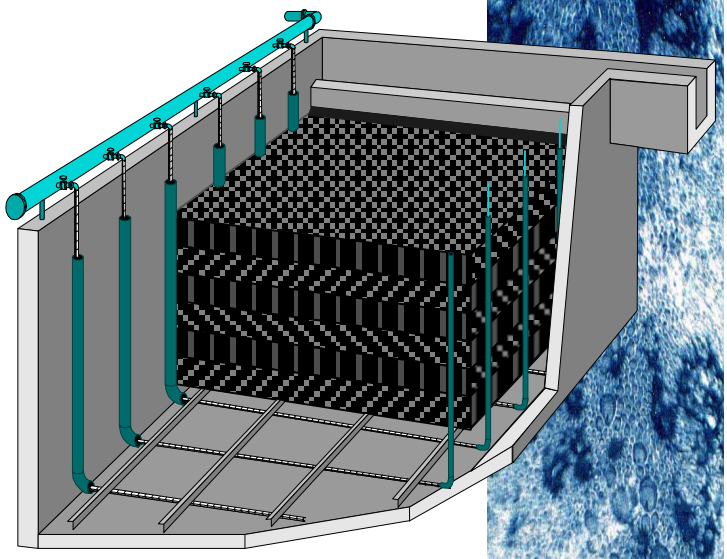
STETBIOpak
Media Pack

APPLICATIONS

STETBIOpak biological treatment media has numerous applications in wastewater treatment. The shape of the media has a significant influence on application and must be considered along with specific surface area and void ratio. Applications included upgrading existing rock filters, BOD/COD reduction, complete secondary treatment, trickling filter/solids contact, roughing of pre-treatments, nitrification, de-nitrification, odour scrubbers and anaerobic treatment.

PERFORMANCE ADVANTAGES

STETBIOpak features include - large voidage of >97%; high specific surface area up to 240m²/m³; low dry weight of 30kg/m³; proven efficiency at depths below 6.0m; UV stabilised material; 4 times higher retention time due to cross flow configuration; effective in removing BOD at hydraulic wetting rates below 0.6m³/m³/hr to over 7.0m³/m/hr; self-supporting media; cross flow configuration ensures increased contact time and minimum recirculation; excellent wetting and thinner biological growths lead to zero fly nuisance; high resistance to plugging.



Typical BAF/SAFF plant with STETBIOpak installed over aeration system

FB10.12 STETBIOpak

WHY USE STETBIOpak?

STETBIOpak media is directly equivalent to the BIOdek media commonly available in the UK and Europe.

It is normally available from stock and is generally at significantly lower cost.

It is quick and easy to install and is available in a range of grades and sizes.

MEDIA CONFIGURATION

STETBIOpak	FB10.27	FB10.19	FB10.12	FB33.27	FB33.01	FB53.01
Specific Surface Area	102 (31.1)	157 (47.9)	243 (74.1)	93	140	105
Void Ratio m²/m³	>97	>97	>97	>97	>97	>97
Standard Dimensions	L = 1200mm W = 600mm H = 600mm	L = 1200mm W = 600mm H = 600mm	L = 1200mm W = 600mm H = 600mm	L = 1200mm W = 600mm H = 600mm	L = 1200mm W = 600mm H = 600mm	L = 1200mm W = 600mm H = 600mm
Maximum Width of Support	100mm	100mm	100mm	100mm	100mm	100mm
Dry Weight	30kg/m³	40kg/m³	50kg/m³	30kg/m³	35kg/m³	30kg/m³
Material	PVC	PVC	PVC	PVC	PVC	PVC
Application	BOD/COD reduction in Trickling Filters, Anaerobic Filters/ Digesters	BOD/COD reduction, Nitrification in Trick-ling Filters, SAFF systems, Anaerobic Filters/Digesters	Nitrification, water degassification, oxygen concentration in Trickling Filters, Scrubbers	BOD/COD reduction in Anaerobic Digesters, high rate Trickling Filters/Bio-towers and in BAF/SAFF Reactors		BOD/COD reduction in Anaerobic Digesters

SUPPLIERS OF MEDIA FOR WASTEWATER TECHNOLOGY