

WavTex™ by ENTEX Technologies

Engineering
a Clean Water
Environment

Moving Flex Media



WavTex

is a moving woven media system using Entex's patent pending EnTextile™ media for use in Integrated Fixed-film Activated Sludge (IFAS) and Submerged Fixed-Film (SFF) systems.

Independently moving EnTextile media sheets continually wave in the aeration basin in a random motion, ensuring excellent oxygen and substrate transfer.

WavTex is a cost-effective solution for existing activated sludge plants that need more advanced treatment. Because little or no additional tankage is required, WavTex is ideal for plants with limited room for expansion.

It is also an excellent choice for space efficient, high performance new plant designs.

Entextile Media

EnTextile media provides an exceptionally high effective biological surface area, and the narrow thickness of the media provides excellent transfer of waste and oxygen to the thin biological film, providing high rate treatment.



WavTex means Simplicity

WavTex requires no in basin retention or drain screens and can be used with existing fine bubble diffuser grids for maximum energy efficiency and minimum retrofit costs.

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WavTex by ENTEX Technologies, continued

WavTex means Versatility

Unlike traditional moving media systems, WavTex moving flex media can be used effectively in both fine bubble and coarse bubble systems, without the need to remove existing efficient fine bubble diffuser systems.

Increase capacity & biomass

WavTex moving flex media provides extensive surface area for biomass growth. The attached biomass population can more than double the effective MLSS concentration. The vigorous motion of the EnTextile media in the aeration basin provides a high shear on the surface of the EnTextile media, maintaining a thin biological film. The thin film provides for high rate biological kinetics.

Eliminates Screening

Never worry about plugging of retention screens. The WavTex system also allows for a broader range of tank dimensions, since the system eliminates the potential for media “bunching” at the back end of long basins.

Nitrification & Denitrification

WavTex provides stable growth platforms for slow-growing nitrifiers. Nitrifying plants perform better; non-nitrifying plants are able to nitrify. Plants needing to convert to nitrification can do so at a far lower cost than adding basins.

High Performance Media

Developed based on over 20 years of experience using attached growth media for wastewater treatment, EnTextile media provides high biomass surface area designed to maximize random turbulence and open pathways to create optimum conditions for substrate and oxygen transfer while maintaining biomass density control.

Cost Effectiveness

WavTex improves water treatment with little or no addition of aeration basins or clarifiers. It's a significantly less expensive way to upgrade activated sludge plants.

Advanced Systems. Proven Solutions.

ENTEX engineers have been involved in hundreds of plant installations. We'd like to be involved in yours.