



Differences Between FX Industrial Wastewater Treatment System And Conventional Industrial Wastewater Treatment Systems

FX Industrial Wastewater Treatment System	Conventional Industrial Wastewater Treatment Systems
Standard design available – No time will be spent on furnishing a system design.	Standard design not available – Additional time is required to design systems according to project requirements.
Compact hardware design; Requires minimal civil engineering works; Process of manufacturing system is simple.	System manufactured according to different requirements; System design requires much excavation and extensive civil engineering works; Process of manufacturing system is complicated.
Modules can simply and easily be added or excluded to achieve desired treatment quality and volume; Should the original treatment process be revised, the modules can be changed and combined so that it will not be necessary to redesign the entire system which thereby reduces costs.	Civil engineering works involved in construction of the system does not allow for any changes in the system design; Should the original treatment process be revised, the entire system must be redesigned and reconstructed which thereby increases costs.
Modules can be stacked to reduce site area required for installation of system.	System requires large land area for operations.
Modularity in design allows for simple and easy installation; Its plug-and-use feature allows for immediate use of system upon connection of mains power on site.	Due to the large operations area it requires, system installation is relatively complex and time-consuming; System setup costs is hence also considerable.
Modules can be separated and easily transported.	Extensive civil engineering works required for system installation limits the mobility of system and cannot be easily transported; If factory is relocated, a new system must be reconstructed which thereby increases costs.
Nanotechnology can be used to improve the system's treatment range and effectively treat solvents in wastewater.	May not effectively treat solvents in wastewater.
Can be integrated with our other FLEXI products (for e.g., high concentration cyanide wastewater treatment systems, metal recycling systems, etc.) for complete treatment of industrial wastewater.	Difficult to be further customized.
Can be paired with FLEXI Continuous Monitoring System for offsite monitoring of chemical concentration values of the effluent in real time.	No offsite monitoring of chemical concentration values.

RESULTS THAT CAN BE ACHIEVED

Pollutants / Parameters	Max Concentration of Influent	Max Removal Rate
Cyanide	100 ppm	99.9%
Chromic acid	100 ppm	99%
Metal	100 ppm	99%
Suspended Solids	500 ppm	99%
COD	150 ppm	70%
Fluoride	100 ppm	95%

Never let tears be the last drops of water on earth 