TTX ENVIRONMENTAL
A Division of Therma-Tron-X, Inc.

TTX INCLINED PLATE CLARIFIERS

Taking the Waste out of Wastewater

TTX Inclined Plate Clarifiers are designed and manufactured to provide years of reliable service.

As a component of a complete wastewater treatment system, **TTX Environmental** Clarifiers maximize performance by concentrating high settling area in a compact footprint. Combined with top-quality materials and a maintenance-friendly design, Clarifiers from **TTX Environmental** are designed and manufactured to provide many years of reliable operation.

Inclined plate clarifiers make use of density differences between suspended solids and wastewater or process solutions to effect a separation of the two phases. Gravity settling permits removal of particles which have densities greater than that of the bulk stream. Separation is accomplished by optimizing retention time, vertical velocity, and plate surface area.

*Wastewater treatment requirements for every company depend on the specific nature of their business. **TTX Environmental** will evaluate your waste stream and recommend the best combination of physical and chemical treatment processes to bring your plant into compliance with federal, state and local discharge standards.*

General Specifications

- 10-80 GPM Sizes In Stock - Larger Sizes Available
- Stainless steel construction
- Scratch resistant stainless steel plates
- Integral flocculation chamber with mixer mount
- Double outlets in cone bottom facilitate cleaning
- Several alloys available
- Maximum plate area realized in minimal footprint
- Flow rates based on 0.20 GPM/Sq.Ft. horizontally-projected settling area.

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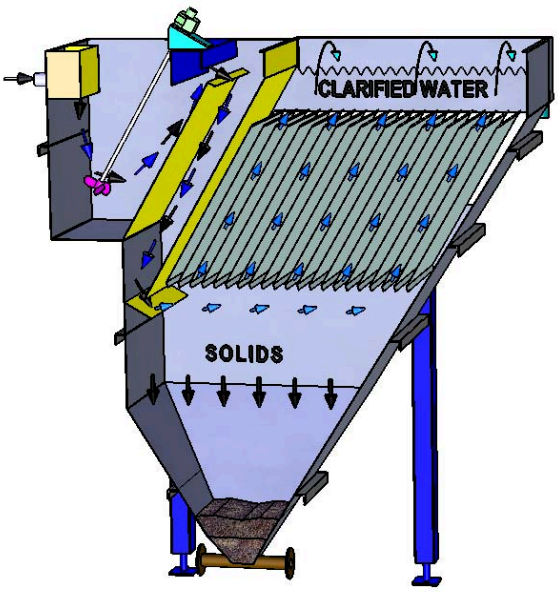
TTX Inclined Plate Clarifier



THE PROBLEM:

- Suspended solids in a wastewater stream.
- Minimal floor space available for solids separation.
- Rising energy costs are increasing the operational costs of solids separation devices.
- Solids need to be separated from wastewater stream economically, and reliably.

THE SOLUTION:

- TTX Inclined Plate Clarifiers are conservatively designed to provide reliable solids separation in a low maintenance package.
- Economic design principles allow models to handle a variety of process water and wastewater applications in a compact footprint.
- TTX Inclined Plate Clarifiers make use of physical properties of your process. Additional energy is not required to facilitate separation.
- Plate surface area helps facilitate the removal of blockages whole maximizing performance with minimal maintenance.

Standard Sizes

10 GPM System

1,340 lb. gross weight
7' L x 4' W x 8' H
Flash Mix Tank: 100 U.S. Gallons
Total Capacity: 572 U.S. Gallons

20 GPM System

1,750 lb. gross weight
7'-9" L x 4'-6" W x 9'-2" H
Flash Mix Tank: 119 U.S. Gallons
Total Capacity: 837 U.S. Gallons

30 GPM System

2,095 lb. gross weight
9'-4" L x 4'-6" W x 9'-2" H
Flash Mix Tank: 177 U.S. Gallons
Total Capacity: 1,136 U.S. Gallons

40 GPM System

2,425 lb. gross weight
9'-4" L x 5'-0" W x 9'-2" H
Flash Mix Tank: 202 U.S. Gallons
Total Capacity: 1,296 U.S. Gallons

60 GPM System

3,000 lb. gross weight
11'-4" L x 7'-0" W x 9'-6" H
Flash Mix Tank: 408 U.S. Gallons
Total Capacity: 2,236 U.S. Gallons

80 GPM System

3,480 lb. gross weight
11'-4" L x8'-6" W x 9'-6" H
Flash Mix Tank: 502 U.S. Gallons
Total Capacity: 2,436 U.S. Gallons

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