

# ACCU-PAC TUBE SETTLERS



*City of Myrtle Beach, South Carolina*



*Sha Tin Water Treatment Works, Hong Kong, China*



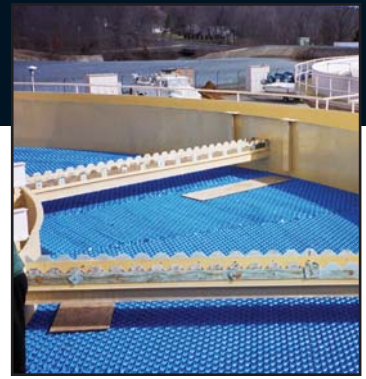
*Structural Ribs*



**AccuPac®**  
6000-Series Tube Settlers  
improve plant efficiency and  
quality for water clarification in  
potable water and wastewater applications.

**BRENTWOOD**  
INDUSTRIES

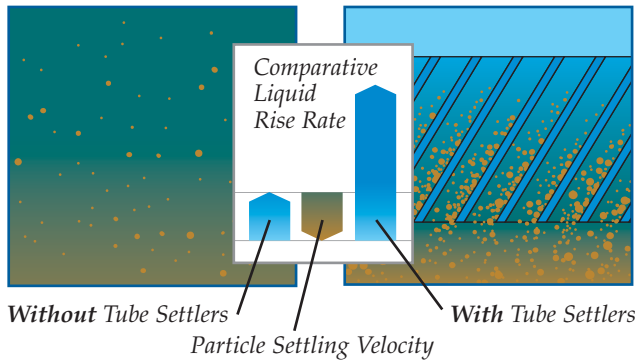
# ACCU-PAC® TUBE SETTLERS



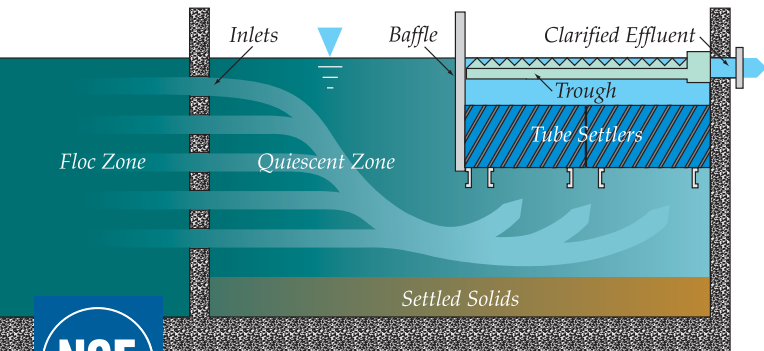
New Jersey-American Water Co.  
Tinton Falls, New Jersey

## WHY TUBE SETTLERS?

Brentwood tube settlers offer an inexpensive method of upgrading existing water treatment plant clarifiers and sedimentation basins to improve performance. They can also reduce the tankage/footprint required in new installations or improve the performance of existing settling basins by reducing the solids loading on downstream filters.



Tube settlers capture the settleable fine floc that escapes the clarification zone beneath the tube settlers and allows the larger floc formed to travel to the tank bottom in a more settleable form. The tube settler's channel collects solids into a compact mass which promotes the solids to slide down the tube channel.



Made of lightweight, NSF-certified PVC, Brentwood tube settlers can be easily supported with minimal structures that often incorporate the effluent trough supports. They are available in a variety of module sizes and tube lengths to fit any tank geometry, with custom design and engineering offered by Brentwood as well.

## BRENTWOOD INDUSTRIES

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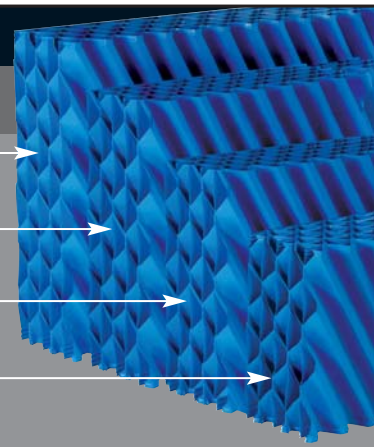
## ADVANTAGES OF TUBE SETTLERS

The advantages of tube settlers can be applied to new or existing clarifiers/basins of any size:

- Clarifiers/basins equipped with tube settlers can operate at 2 to 4 times the normal rate of clarifiers/basins without tube settlers.
- It is possible to cut coagulant dosage by up to half while maintaining a lower influent turbidity to the treatment plant filters.
- Less filter backwashing equates to significant operating cost savings for both water and electricity.
- New installations using tube settlers can be designed smaller because of increased flow capability.
- Flow of existing water treatment plants can be increased through the addition of tube settlers.
- Tube settlers increase allowable flow capacity by expanding settling capacity and increasing the solids removal rate in settling tanks.

## 6000-SERIES

TUBE SETTLER	VERTICAL HEIGHT	TUBE LENGTH	DESIGN APPLICATION RATE
IFR-6041	41" (104 cm)	47" (119 cm)	3.5 gpm/ft <sup>2</sup> (8.5 m/hr)
IFR-6036	36" (91 cm)	42" (107 cm)	3.0 gpm/ft <sup>2</sup> (7.3 m/hr)
IFR-6030	30" (76 cm)	35" (89 cm)	2.5 gpm/ft <sup>2</sup> (6.1 m/hr)
IFR-6024	24" (61 cm)	28" (71 cm)	2.0 gpm/ft <sup>2</sup> (4.9 m/hr)



## COMPLETE TUBE SETTLER SYSTEMS

Brentwood provides complete engineered tube settler systems, including tube settlers, supports, baffles, troughs & weirs, and protective surface grating. The advantages of a Brentwood installation are:

- **Single source responsibility.** Avoid problems with coordination of engineering, installation, and pricing of different components.
- **Save money** by purchasing an economical, packaged system.
- **Exclusive products and features**, like AccuGrid Protective Surface Grating and integrated structural ribs, provide unique benefits to the tube settler system.
- **Extensive engineering experience** in both plastics design and water treatment technologies are utilized in every system we design.