

# AquaTron High-Rate Bio-Reactor

By: AquaTec, Inc.

## A Unique High-Rate Wastewater Processing Unit

The AQUATRON comprises an aerated chamber, in which compressed air is bubbled through a mixture of wastewater and micro-organisms, and an annular clarification section for solids separation and continuous high-rate recycle of mixed liquor.

The AQUATRON is a high strength and high efficiency biological treatment unit, capable of handling most types of wastewater commonly treated by conventional activated sludge plants.

AquaTec has installed several different types of AQUATRON Units. The common design is circular, however rectangular designs are available. This unique unit is an outstanding "pretreatment" unit, and uses less real estate than a conventional plant.

Ask AquaTec about pilot plant and/or existing process data that could benefit you.



**Steel Tank Modular Unit Shown Above**

**Concrete Tank Unit Shown at Right>>**

**Units Shown use High-Efficiency AquaTec Flexair Fine-Bubble Disc Diffusers.**

**Note Rapid-Recycle MLSS Return Design which is an AquaTec Exclusive.**



### Features:

- **Vigorous Mixing**
- **High Efficiency Aeration**
- **High MLSS Recirculation**
- **Superb Quiescent Settling**
- **Plug Flow Treatment**
- **No Internal Mechanical Parts**
- **Ease of Maintenance**
- **Process Flexibility & Control**
- **Consistently High Quality Effluents**

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