



**Aqualitec**  
Wastewater Treatment Equipment

**SPIRALTEC**  
INCLINED CYLINDRICAL SCREEN

## SPIRALTEC:

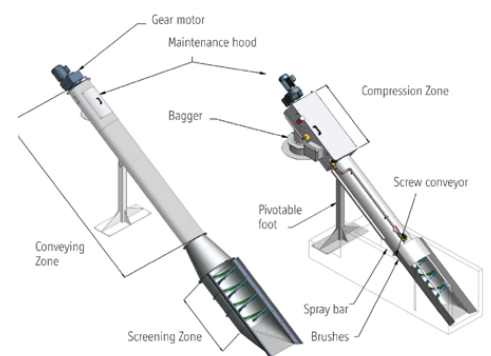
The ALL In One Spiral Screw Solution .

By Aqualitec.



### OPERATING MODE:

Spiraltec is specifically designed to remove debris from wastewater, utilizing an inclination of 35° from horizontal for optimal performance. The system features a perforated screen that effectively retains debris during operation. Once the debris are captured, a spiral screw conveys, dewateres, compacts, and discharges it upward and into a dumpster, ensuring efficient and reliable processing of the collected material.



Aqualitec Corp. - 3415 S,  
Sepulveda Blvd, Suite 1100,  
Los Angeles, CA 90034



Tel, 1-855-650-2214,  
info@aqualitec.com



[www.aqualitec.com](http://www.aqualitec.com)

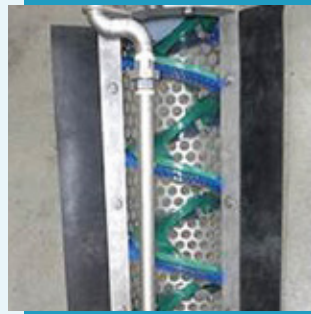


**Aqualitec**  
Wastewater Treatment Equipment

**SPIRALTEC**  
INCLINED CYLINDRICAL SCREEN

## FEATURES & BENEFITS

### 1. All In One Solution



A stationary perforated plate basket located at the bottom of Spiraltec retains all screened debris. A spiral screw then conveys, dewateres, compacts, and discharges the screened material into a dumpster.

### 2. Easy Brush Replacement



Spiraltec's efficient cleaning and particle transport system relies on brushes bolted onto the shaftless spiral.

To ensure hassle-free maintenance, the brushes are divided into one-foot sections. This design allows for easy replacement of individual brush sections, minimizing downtime and reducing the need for specialized tools or expertise.

### 3. Tilttable



Spiraltec is designed for easy maintenance and servicing. In the event of maintenance needs, the unit can pivot on its feet, allowing convenient access to the interior for inspection, cleaning, or repairs. This feature reduces downtime and streamlines the maintenance process, resulting in more efficient operations and cost savings over time.



**Aqualitec**  
Wastewater Treatment Equipment

**SPIRALTEC**  
INCLINED CYLINDRICAL SCREEN

## FEATURES & BENEFITS

### 4. In Tank Built Option



Spiraltec can be built in-tank, making it compatible with virtually any wastewater structure. This feature enables easy retrofitting of existing systems and reduces the need for costly modifications. In particular, an in-tank Spiraltec installation is well-suited for septage receiving station applications, providing efficient and reliable solids separation in a compact footprint.

### 5. Minimal & Easy Maintenance



Weekly maintenance involves visually inspecting the drum and the nozzles on the spray bars. When necessary, the nozzles can be easily removed for cleaning or replacement.

### 6. Odor Control



For a total odor control, the frame of the spiral screw is totally enclosed.

## PERFORMANCES

Design flow: Up to 6 mgd

Volume reduction > 50%

Dry solid concentration =30%

## DESIGN GUIDELINES

Spiraltec is customized based on specifications and/or structural constraints. Below are some guidelines of the design requirements.

### MATERIALS

304 or 316 stainless steel

Space opening: 1/64" to 5/64" (500~m to 2mm) with mesh

5/64" to 3/4" (2 to 20mm) with perforated screen

### SPACE REQUIREMENTS - FOOTPRINT

Depth: 2' to 6'

Width: 8" to 28"

Installation angle: 35°

### MOTOR CHARACTERISTICS

Absorbed power: 1/2 hp (0.37KW)

Voltage: Custom to site - 3 phases

Frequency: 60 Hz



Moss Creek, SC



Aqualitec Corp. - 3415 S,  
Sepulveda Blvd, Suite 1100,  
Los Angeles, CA 90034



Tel, 1-855-650-2214,  
info@aqualitec.com



[www.aqualitec.com](http://www.aqualitec.com)