

SPIRALTEC INCLINED CYLINDRICAL SCREEN

The ALL in One Spiral Screw Solution



All-in-one
screening and
dewatering



Protect
membranes



Minimal
maintenance



Call Us Today
1-855-650-2214



Email Us
info@aqualitec.com

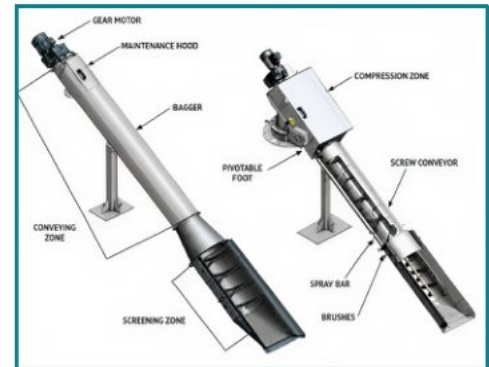


Aqualitec Corp. - 3415 S, Sepulveda Blvd,
Suite 1100, Los Angeles, CA 90034

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.



FEATURES & BENEFITS

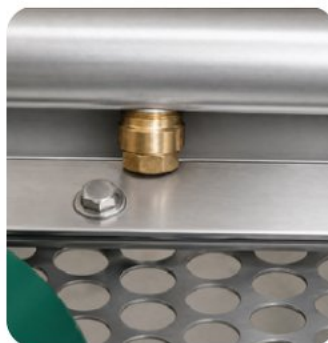


All In One Solution

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.

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.



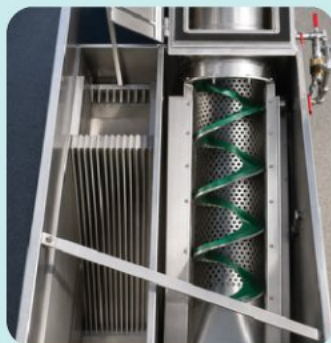


Tiltable

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.

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.



Minimal & Easy Maintenance

Weekly maintenance involves visually inspecting the drum and the nozzles on the spray bars. When necessary, the nozzles can.

Odor Control

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



PERFORMANCES

DESIGN FLOW

Up to 6mgd

VOLUME REDUCTION

Greater than 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

Installation angle : 35°

Depth : 2' to 6'

Width : 8" to 28"

MOTOR CHARACTERISTICS

Absorbed power : ½ hp (0.37KW)

Voltage : Custom to site - 3 phases

Frequency : 60 Hz



Moss Creek, South Carolina



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