

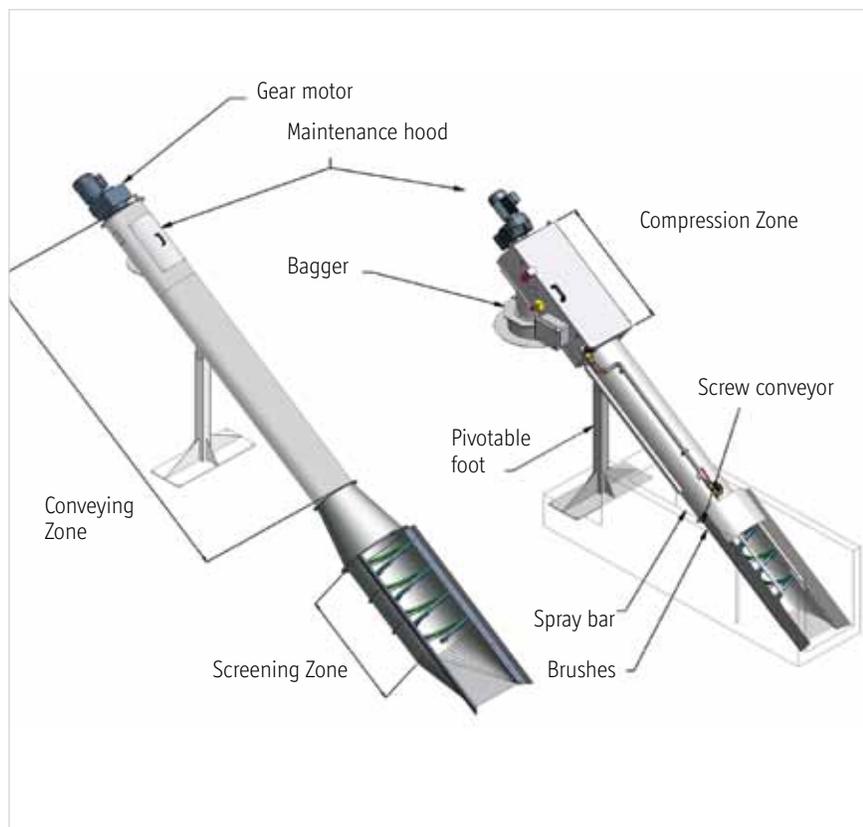


Aqualitec
Screening Equipment

SPIRALTEC
INCLINED CYLINDRICAL SCREEN

Spiraltec: The All In One Spiral Screw Solution.

By Aqualitec.



Operating Mode:

The mechanically inclined cylindrical screen Spiraltec has an inclination of 35° from horizontal and is designed to remove debris from wastewater. The screening system will operate by means of a perforated screen that retains debris. Then, the captured solids are conveyed, dewatered, compacted and discharged upward by the shaft less spiral into a dumpster. To retrofit any kind of structure Spiraltec can be built in tank.

Aqualitec Corp. - 610 W Carob Street, Compton, CA 90220
1-877-278-2214. Fax (323) 732 2815. www.aqualitec.com

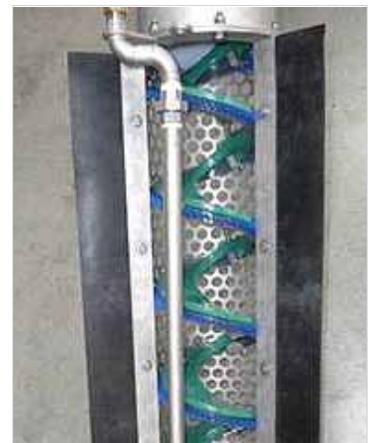


Features & Benefits

1. All in one solution



Located at the bottom, a stationary perforated plate basket retains all the debris. Then, a spiral screw convey, dewater, compact and discharge the screenings into a dumpster.



2. Easy Brush Replacement



Brushes are bolted on the shaft less spiral to provide cleaning and particle transport. Brushes are divided into one foot section to allow secure and easy maintenance.



3. Pivotable

In case of maintenance, Spiraltec can pivot from its feet.



Features & Benefits

4. In Tank built option



To retrofit any kind of structure, the Spiraltec can be built in tank with an integrated bypass.

The In Tank Spiraltec is also used for Septage Receiving Station.

5. Minimal & Easy Maintenance

Spray bars will assure the cleaning of the drum. The weekly maintenance will then consist of visual checking of the drum and the spray bar nozzles. Nozzles are easily removable for cleaning or replacement.



6. Odor control

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





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Performances

Design flow: Up to 10mgd

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

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

Dry solid concentration = 30 %

Volume reduction > 50 %

Design

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

MATERIALS

304 or 316 stainless steel

Surface treatment: Scouring, Passivation

T.I.G. welding techniques

SPACE REQUIREMENTS - FOOTPRINT

Depth: 2' – 12" (914mm)

Channel Width: 8" to 20" (200mm to 500mm)

Installation angle: 35°

MOTOR CHARACTERISTICS

Absorbed power: ½ hp (0.37KW)

Voltage: 240 or 480 VAC

Frequency: 60 Hz



City of Balma - France

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Aqualitec: Keep it Simple