### Performances

**Applications:** Municipal & Industrial  
**Flow capacity:** up to 60mgd  
**Space bar opening:** 3/8” to 2” (1 to 60mm)

### Design

Screentec 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: up to 50’ (15m)  
- Width: 1.3’ to 6.56’ (400mm to 2000mm)  
- Discharge height: 4’ (1200mm)  
- Installation angle: 90°

**MOTOR CHARACTERISTICS**

- Absorbed power: ¾hp (0.56 KW)  
- Voltage: 240 or 480 VAC  
- Frequency: 60 Hz
Screentec:  
The Mechanical Vertical Bar Screen Solution for Headworks, Lift Stations, Deep Wells and Manholes.  
By Aqualitec.

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Aqualitec: Keep it Simple
Operating Mode

The mechanical vertical bar screen Screentec can be installed in many applications including Headworks, Lift Stations, Deep Wells and Manholes. Due to its vertical design, Screentec can retrofit any kind of structure with minimal or no changes.
Features & Benefits

1. Vertical Design

With a 90° angle installation, Screentec can fit in any kind of structure, up to 50’ deep.

2. Minimal & Easy Maintenance

Screentec does not have moving parts at the bottom of the frame. The weekly maintenance will only consist of a visual check of the top frame. The access is safe since operators can open the secure hood from the grate level.

3. Odor Control

The frame of the vertical bar screen is completely enclosed. Adding a washer compactor Compactec with a bagger system will maintain total odor control. Screentec can be installed in residential areas without risk of odor complaints.
Deep Well

1. Mendocino, California

**Context:** The Headwork’s structure is complex with a 12’ deep well. Inside, 2 narrow channels (1 communitor - 1 grinder) dealing with a peak flow of 1mgd.

**Solution:** With its vertical design, Screentec fits into narrow and deep structures such as the Mendocino deep well.
2. The Lower Township, New Jersey

**Context:** This lift station has an inlet pipe and a manual rack. Daily maintenance is required to manually remove the debris.

**Solution:** Screentec will be installed right at the influent inlet. No structural changes are required and the existing manual rack will be used as the overflow back up.
3. City of St. John’s, Washington

**Context:** The City of St John’s has to comply with the Biosolids Rule. They need to replace the grinder by a mechanical bar screen that will remove all the debris from the influent.

**Solution:** Screentec fits right into the existing channel.

**Design view, Upcoming installation, July 2012**

**Collects All Debris**
4. City of Orange, France

Context: With no screening operation, the pumps of the WasteWater Treatment Plant are clogged and damaged, resulting on a great deal of manual work and maintenance cost.

Solution: To protect the pumps, the only solution was to install the mechanical bar screen ahead of their pumps.

Screentec is installed into their manhole, collecting all the debris prior to reaching the pumps.