

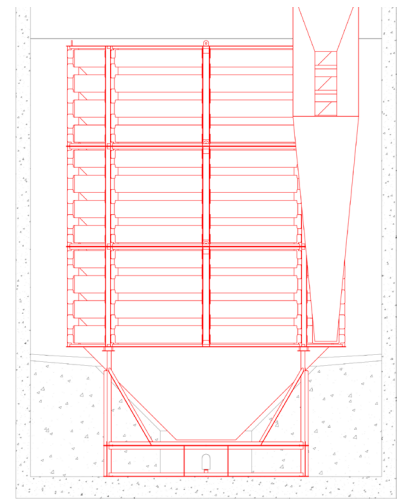
# Sand Shark Circular Stacked Tray (CST)

## Fine Grit Capture

### Sand Shark Circular Stacked Tray Grit Settler

The Sand Shark HP is a high-performance grit capture and removal process that can remove very fine grit, dewater and reduce organic content if needed.

<b>Grit Removal Capacity</b>	95% of 75 micron particles (2.65 g/cc) at avg flow
<b>Sizes</b>	6', 9' and 12' in diameter trays
<b>Peak Daily Flow Capacity</b>	To 20 MGD (876 L/s)
<b>Peak Instantaneous Capacity</b>	To 20 MGD (876 L/s)
<b>Materials</b>	304/316 stainless steel in concrete or stainless tank
<b>Configurations</b>	270 or 360 degree Inlet/Outlet



### Features & Benefits:

#### Technology & Materials

- Stainless steel supporting structure for long life, integrity, and corrosion resistance
- Integrated PE lamella trays for high-performance settling
- Optimized inlet plenum for even flow distribution
- SLOW Outlet Design – Singular Low-velocity Outlet Weir
- Seamless integration with screening, grit dewatering, and grit washing equipment

#### Operation

- No moving parts, no electrical requirements
- Minimal operator attention required
- Low O&M and long lifecycle for reduced total cost of ownership

#### Installation

- Designed for installation in square concrete vaults
- Fabricated in sections for simplified handling and placement
- Drop-in installation for faster, easier setup
- Available with manufactured base as an option to eliminate grout installation in vault

#### Performance


- Removes 95% of particles  $\geq 75$  microns at design flow rates (specific gravity 2.65)
- Low headloss – typically less than 12" at peak flow
- Handles small, medium, and large treatment plants with consistent efficiency



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