

Reef Packaged Headworks

Specifically Designed for High Screening and Grit Capture in a Compact Footprint

Screening & Compaction

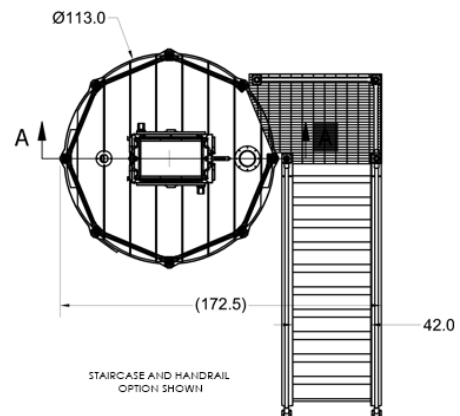
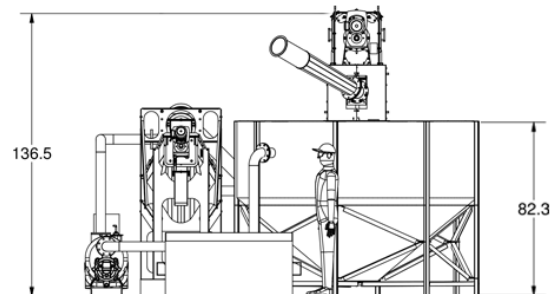
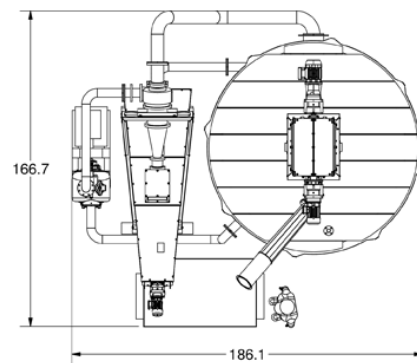
- Center flow screen provides superior solids capture
- Center flow screen design provides the best hydraulic profile
- Screening and grit removal combined into one tank
- Smallest footprint possible with a single tank design
- Compaction utilizes a dedicated motor for superior solids washing and dewatering

Grit Removal

- Simplified grit tank design for ease of maintenance
- Simplified grit tank design utilizes gravity only
- Center inlet to the grit tank to prevent short circuiting
- Center inlet is baffled by the screen to provide low inlet velocity
- Configuration is optimum for grit settling
- Radial grit tank weir design for lowest possible exit velocity

Standard Designs

- Peak flow rates up to 2.5 MGD (110 L/s)
- Air lift or pumped grit removal and transport to grit classifier
- Stainless construction for protection from biogenic corrosion
- USA based, designed, fabricated, assembled, and tested



To learn more visit: www.hydro-dyne.com
 sales@hydro-dyne.com | +1 (813) 818-0777

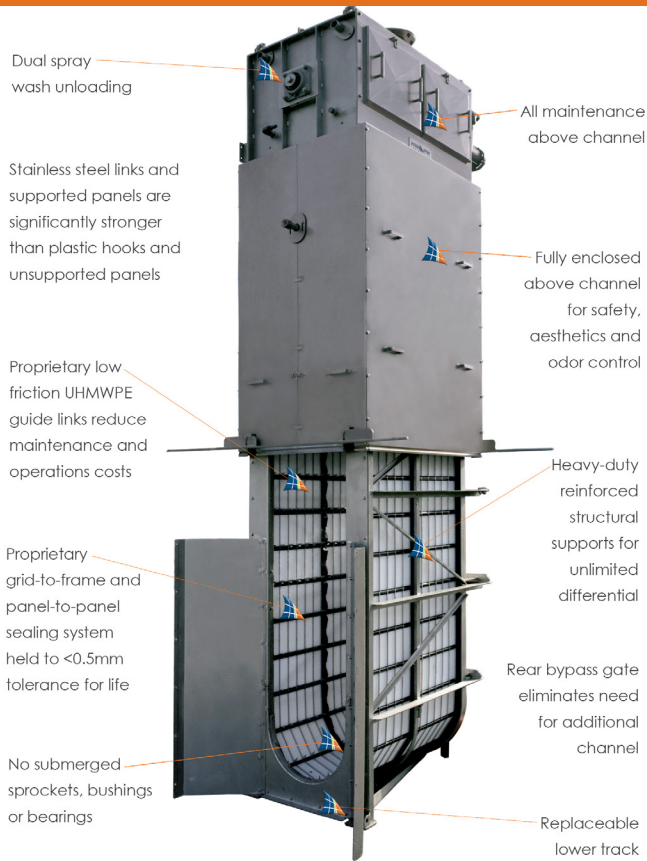
Coarse Screens | Fine Screens | Screenings Handling | Grit Removal Equipment

Designed & Manufactured in the USA 
 4750 118th Avenue North Clearwater, FL 33762

ISO 9001:2015 Certified

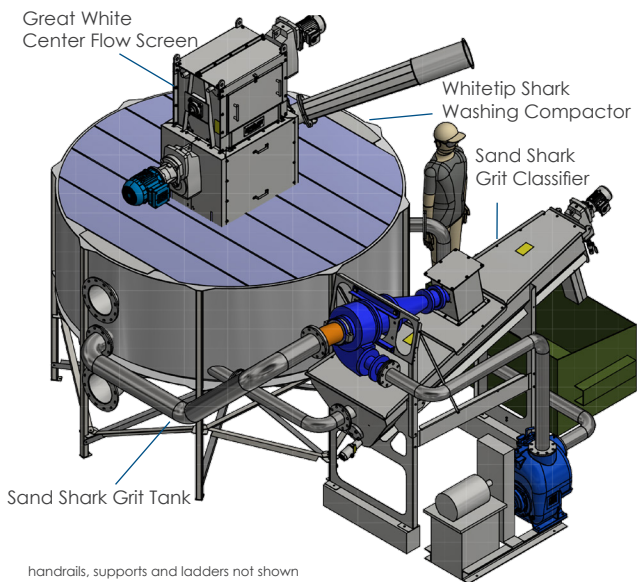
HYDRO-DYNE[®]
 ENGINEERING
 Designed to Protect. Built to Perform.[™]

Great White Center Flow Screen



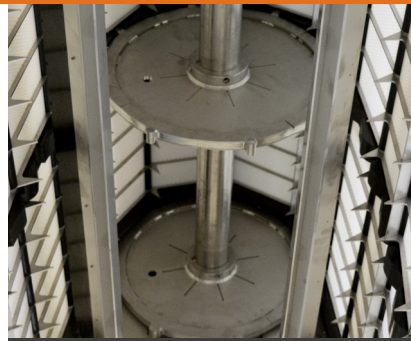
Optional Equipment

- Ladders, supports and handrails
- Cold weather/freeze protection
- Basic to sophisticated automation controls
- Sectional construction for restricted area assembly



Patented Drive Features

- Grid does not contact drive or unloading mechanism
- Direct drive uses no chains or sprockets
- Fully supports grid for negligible wear
- Uses fractional horsepower modes



Whitetip Shark Washing Compactor



The Whitetip Shark Washing Compactor features screenings drainage and compaction zones. Stainless steel flights and anti-rotation bars improve compaction and provide reliable equipment performance and life.

- Weight reduction up to 80%
- Screening volume reduction up to 85%
- Organic removal up to 95%
- Dewatered screenings dry solids content up to 40%
- Screenings meet strict landfill requirements (EPA 9095 Paint Filter Test)

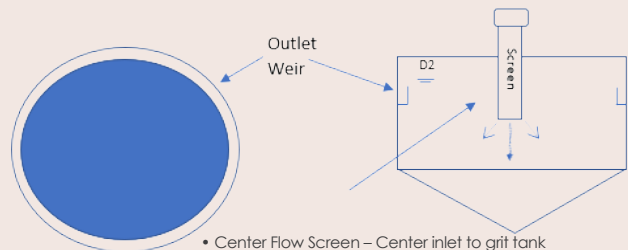
Sand Shark Grit Classifier



- Specifically designed for de-gritting wastewater
- Elevates, dewateres and disposes of grit
- Deposits dry grit directly into receptacle
- Lower bearing fully protected against the ingress of abrasive grit particles

Advanced Grit Removal Design

- Grit tank design optimized – mechanical components eliminated
- Radial weir outlet provides the lowest outlet velocity possible
- Center inlet eliminates possibility of short circuit
- Grit settling based on conservative surface overflow rates



- Center Flow Screen – Center inlet to grit tank
- Radial Outlet – Minimized exit velocity
- Configuration eliminates short circuiting
- Centrifugal mixing equipment eliminated
- Configuration optimized for velocities lower than traditional vortex design

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