

High Capacity Clarifier

The High Capacity Clarifier removes particles, dirt and other contaminants from a variety of liquids and efficiently and cost-effectively separates solids from liquids.

The clarifier uses gravity to settle heavier particles, allowing the lighter particles to pass through. This ensures the liquid is completely free of any unwanted contaminants.

Features a two section tank—upper and lower—and a tilted plate baffle system that provides extremely efficient solids removal.



FEATURES

- 45,000 gallon capacity
- Tilted plate baffle system, settled
- Solids conveyance system and effluent overflow trough system
- Discharge of a clean effluent
- The tank has two sections for ease of transportation
- The flange joining the two sections provides for fast, leak free assembly

APPLICATIONS

- Handles higher flow rates in dredging and dewatering projects
- Clarifier bypass
- Pond bypass
- Pond closure
- Dredging
- Solids thickening



DIMENSIONS

Trailer

53'x11.8'x20' (LxWxH)
(without stairs)

Operating Weight

466,300 pounds

Shipping Weight

44,000 pounds*
(bottom unit)

47,000 pounds*
(top unit)

**Crane is required for
placement and assembly
of equipment.*

PRODUCT WATER

Flow Rate

Up to 3,000 GPM*

Effluent

90% solids removal*

**Laboratory testing
required. Water sample
evaluated on case-by-case
basis to determine removal
efficiency.*

CONNECTIONS

Inlet/Outlet

12" flange/camlock

Product

18" flange/camlock

Waste

8" camlock/flange

REQUIREMENTS

Max. Water Temp.

120° F

Max. Inlet Pressure

80 PSI

Inlet TSS

10% w/w (100,000 ppm)

Electrical

480 VAC, 21 AMP SP
4 Conductor size 10
Marine Cable

INSTRUMENTATION

VFD Auger

Optional accessories:

Chemical Dosing Systems
Sludge Forwarding Pump
Inlet Mixing Tank
Inlet Forwarding Pump
Sludge Drying Equipment
Post-Filtration
Clearwell with Forwarding
Pump

