

# 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

