

Mobile Clarifier

Treats water with high turbidity to serve as pretreatment for reverse osmosis systems, stormwater discharge and pond remediation.

Utilizes recirculating sand to decrease settling time in the water source, as well as dual cyclones to boost the rate of solids removal.

Functioning at a maximum of 1,000 gpm, mobile clarifiers allow for quick delivery, setup and remote operation.

FEATURES

- Road-legal design for quick delivery and setup
- Hydraulic jacking legs
- Tip-up hand rails
- Single-point electrical hookup
- Recirculating sand decreases settling time
- Dual cyclones for increased solids removal
- VFD-controlled components
- Up to 1,000 gpm flow rate
- Complete automated design
- Touch-screen controls
- Remote monitoring

APPLICATIONS

- RO pretreatment
- Clarifier bypass
- Stormwater discharge treatment
- Heavy metals precipitation
- Ash pond remediation
- Wastewater treatment



DIMENSIONS

Height

12'11" Shipping/
15'9" Operation

Width/Length

8' 5"/54'

Shipping Weight

56,000 lbs

Operational Weight

175,000 lbs

System Capacity

14,000 gallon

12,800 gallon (Clarifier)

1,200 gallon (Filtrate)

PRODUCT WATER

Flow Rate

Up to 1,000 gpm

Effluent

≤ 1NTU

CONNECTIONS

Inlet

8" Class 150 Flange

Product

8" Class 150 Flange

Waste

4" Class 150 Flange

REQUIREMENTS

Max. Water Temp.

120° F

Inlet Pressure

80 psi

Inlet TSS

1,000 PPM TSS

Electrical

200A 480VAC 3PH

Influent Flow

1,070 gpm

Effluent Flow

1,000 gpm

INSTRUMENTATION

Touch-screen controls

Remote monitoring

Inlet flow-control valve

Coagulant and flocculant-dosing systems

Acid/base pumps
for pH adjustment

Filtrate-storage tank

Forwarding pumps

Inlet and discharge
turbidity meters

