



Dredge slurry dewatering system

SLURRY SEPARATION CAPABILITIES

Pumped directly from amphibious dredge

3 stage continuous process

Ability to dewater up to 450m³ / hr (90m³ / hr of solids)

Dewater material down to 25 microns

PREPARED BY ANTO PRATTEN

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General

- The equipment's unique self-contained solid removal technology separates solids from dredged slurry via a three-stage system down to 25 um
- Process slurries with high solids fed directly from the dredge
- In addition, the solids that are removed are dewatered to a stackable 'pass paint filter' state, which can be readily moved with front end loader, conveyor and/or dump trucks.
- The effluent or discharged fluid is pumped off by a centrifugal pump.
- The separation process is continuous and operates completely mechanically without any chemical enhancement. The entire system is designed onto a 'rock over' type trailer that is highway legal for ease of transporting



Unit that separates liquid and solids

- 3 - stage system
- Continuous

Components

- Fluid holding tank
- Scalping shakers
- 10" Hydro clones over secondary shakers
- 4" Hydro clones over shakers
- Fluid pumps (centrifugal)
- Fluid discharge pump

Agitators (internal)



Technical specifications and features

- Dimensions 16.15m L x 2.62m W x 4.14m at highest point
- Electrical requirements 460v, 60 Hz, 3Ph, 350 Amps
- Through put capacity 7,570 litres per minute
- Pumps three side pocket mounted 6x8 75Hp with hardened impeller

Yours sincerely



Anto Pratten
Dredging Systems Pty Ltd