

C100 WATER AND SOLIDS SEPARATOR

SIMPLE, SMART, AND SIZED FOR CORE DRILLING

Water is a critical component of every drilling operation, but its use can have a costly impact.

Ideal for small, environmentally sensitive and remote drilling operations, Premier Mining Products offers a solution designed for the diamond drilling contractor:

- recovers over 95% of your drilling fluid
- reduces total volume of waste
- ensures environmental compliance
- lowers transportation costs

Our water solids separator is compact yet powerful enough to handle the demands of a typical core drilling operation by processing the required volumes of drilling fluids efficiently, and maximizing solids separation.

- Helicopter portable and robust design for ease of mobilization/de-mobilization
- Variable bowl speed differential and pond dam to maximize solids separation
- High G-Force and removal efficiency
- VFD drive for efficient, safe operation and control
- Made with high quality, tough materials for durability and long life
- Minimal vibration and noise emissions
- Field proven in both surface and underground applications



*Performance and innovation
for the mining industry!*

Many drill sites restrict the volume of water used from local sources, so limiting the amount of water used and wasted on site becomes a critical consideration when planning a project. The cumbersome and inefficient use of settling pits, sumps and tanks on a typical core drilling site is becoming a barrier to running an efficient and compliant operation.

The oilfield has long used sophisticated centrifuge systems to remove drill cuttings. These systems are overly sized and expensive for core drilling. Premier Mining Products' Water Solids Separator is a centrifuge system, sized for core drilling. It delivers over 95% fluid recovery and solids separation to efficiently capture and reduce waste disposal volumes.



Waste is easily captured, bagged and transported.



10,000 m of H cuttings recovered from the drilling fluid are bagged and ready for removal from site.

MAXIMUM OPERATING PARAMETERS:

Capacity*	100 l/m (26 gpm)
Operating Speed*	4500 rpm
G-Force*	2500 G

* Actual parameters vary and are determined by site conditions.

SPECIFICATIONS:

Length	2261 mm (89 in)
Width	1118 mm (44 in)
Height	2286 mm (90 in)
Bowl Diameter	220 mm (9 in)
Bowl Length	670 mm (26 in)
Top Assembly	816 kg (1800 lb)
Bottom Assembly	454 kg (1000 lb)
Separation Point	2-5 micron
Motor	8 kW (10 hp)
Water Tank	760 L (200 g)
Input Power (Single Phase)	240 VAC
Short Circuit Current Rating (SCCR)	65 kA

PREMIER
MINING PRODUCTS

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