

# AMC Heli-Portable Solids Removal Unit™

AMC's award-winning solids control technology, in a modular and lightweight, heli-portable design.



The AMC Heli-Portable Solids Removal Unit™ (AMC HP SRU™) is an innovative alternative to fluid sumps, proving highly beneficial for the environment, on-site health and safety, operational efficiency as well as delivering significant cost savings in remote or isolated job sites. The closed-loop system of the AMC HP SRU™ is designed to improve efficiencies and reduce the environmental impact of the drill site.

## Improving Efficiency & Productivity

The unit's high speed decanting centrifuge is specifically designed for diamond drilling, operating at up to 3000rpm to remove solids down to as low as 5 microns, maintaining the drilling fluids optimum properties.

By maintaining a clean, low solids, non-abrasive drilling fluid, the AMC HP SRU™ is able to reduce mud and water consumption, reduce the risk of stuck pipe, reduce wear and tear on drilling components, reduce overall downtime and allow personnel to focus on drilling operations rather than monitor and maintain large volumes of drilling fluids.

## How Does It Work?

The AMC HP SRU™ works by circulating drilling fluid directly from the drill collar to be processed by the centrifuge, where drill solids are separated from the mud slurry and discharged via a waste chute. After being processed, cleaned drilling fluids flow into a tank for return to the drill rig. A conveniently positioned mixing system can be used to blend products into drilling fluid in this tank.

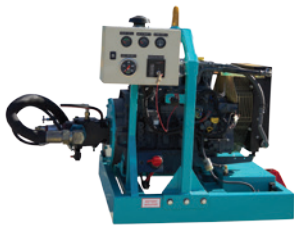
## Key Benefits

- Reduces water consumption, mud usage and cartage costs
- Reduces wear and tear on drill components
- Improves bit on bottom time
- Eliminates the costs of digging sumps
- Improves on-site health and safety, reducing slips and hazards due to mess, mud and water
- Increases drilling productivity KPIs
- Eliminates site re-mediation and environmental management costs
- Reduces site footprint
- Facilitates access to environmentally sensitive or remote and isolated drill sites
- Quick and easy installation
- Improves relationships with land owners.

## Transportable in Only Four Heli-Lifts

Each component of the AMC HP SRU™ weighs less than 700kg, so the unit can be transported with only four heli-lifts. The four components fit together easily on a base frame and are light enough to be transported in high wind conditions, ensuring the operation is not delayed due to adverse weather.

The modular design of the AMC HP SRU™ makes installation and assembly on site quick and easy. Each component is colour coded, with guide points to direct the pieces together. Hydraulic hoses are also colour coded to ensure correct connection in minimal time.



Engine (580kg)



Centrifuge (672kg)



Mixing tanks (384kg)



Base frame including hydraulics (650kg)

Manufactured under a quality system certified as complying with ISO 9001 by an accredited certification body. Results may vary due to fluid properties and solids contents, please consult your nearest AMC technical specialist to achieve optimum performance.

## TECHNICAL SPECIFICATIONS

DIMENSION	SIZE
Length	3,100mm (10.2ft)
Width	2,100mm (6.9ft)
Height	2000mm (6.6ft)
ITEM	WEIGHT
Base frame	650kg (1433lbs)
Engine	580kg (1279lbs)
Tank	384kg (847lbs)
Centrifuge	672kg (1482lbs)
Total weight	2,290kg (5049lbs)
ITEM	DESCRIPTION
Centrifuge	9" stainless steel bowl decanting centrifuge operating at 3000rpm
Fittings	All fittings 2" male camlock fittings
Process capacity	50 – 130L / min
Placement method	Heli-portable and skid mounted
Pump	Positive displacement pump
Mixing system	Jet hopper and agitator
Motor	Diesel / hydraulic
Tank capacity	2 x 950L chambers (approx.)



Check out our YouTube channel to see the full demonstration at [youtube.com/amcdrillingfluid](https://youtube.com/amcdrillingfluid)

## Further Information

For more information please go to our website [www.amcmud.com](http://www.amcmud.com) or contact your nearest AMC office.

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