

# AMC ULTRA LIGHTWEIGHT SRU™

**IMDEX™**



**870 Kg**

## ASIA PACIFIC

Perth, Australia (Head Office)  
+61 8 9445 4000  
Indonesia  
+61 (0) 21 759 11244

## AFRICA

South Africa  
+27 (11) 908 5595

## EUROPE

Germany  
+49 4402 6950-0  
Norway  
+47 72 87 01 01  
United Kingdom  
+44 (0) 1273 483 700

## SOUTH AMERICA

Argentina  
+54 9 261 211 3676  
Brazil  
+55 (47) 3404 5020  
Chile  
+56 (2) 2589 9300  
Peru / Ecuador  
+51 (1) 322 8850

## NORTH AMERICA

USA / Canada  
+801-364-0233  
Mexico  
+52 (871) 680 7146

support@imdexlimited.com

# AMC ULTRA LIGHTWEIGHT SRU™

## Description

The AMC Ultra Lightweight Solids Removal Unit™ (AMC ULW SRU™) is a highly versatile drilling fluid recycling unit, designed for use in compact spaces or in remote locations. The unit's closed-loop system decreases the volume of water and mud, reducing operational costs and creating a safer work environment. Its size and shape allows for easy transport via helicopter, light vehicle, manually or in modular sections.

## Application

ULW SRU circulates drilling fluid from the drill collar to the centrifuge to separate drill solids from the mud slurry. The solids are then discharged via the unit's waste chute. After processing, cleaned drilling fluid flows into a storage tank. The fluid is returned to the mixing tank before being reused.

ULW SRU is very quick and simple to assemble onsite.

## Reducing Mud and Water Consumption and Disposal Costs

In operations where water management presents an operational challenge with high associated costs, the closed-loop system allows the recycling of water and fluids and eliminates the continual need to cart water for drilling operations. The ULW SRU can reduce water consumption by up to 90% and mud chemical consumption by up to 55%. In addition, it reduces associated costs such as surface sumps, additional pumping systems, and transfer and disposal of bulk mud volumes.

The 200mm stainless steel decanter centrifuge can remove solids as small as 4 – 7 microns from drilling fluids, keeping drilling fluids in good rheological condition. The ULW SRU can reduce the volume of residual mud by up to 75%. Solids are condensed and transformed into a semidry solids cake, which minimises the costs associated with disposal.

## Advantages

- Improves on-site health and safety by reducing manual handling and excessive mixing
- Reduces water consumption mud usage and cartage costs
- Easy to transport
- Reduces downtime
- Eliminates the cost of digging and rehabilitating sumps
- Increase productivity and KPIs
- Minimises site re-mediation and environmental management costs
- Reduces site footprint
- Facilitates access to environmentally sensitive or remote drill sites.

## Dimensions

Length	1850 mm
Width	910 mm
Height	1400 mm
Weight	870 kg

## Specifications

Centrifuge	200mm stainless steel centrifugal decanter generates a G-force of 2,164G at 5,300rpm
Process capacity	40 – 100L / min, adjustable flow by manual valve
Pump (1) dirty mud	1 hp submersible pump to move the mud from the well to the centrifuge, incorporating a level sensor for On - Off activation
Pump (2) treated mud	1 hp pump to return treated sludge to the mixer ponds of the drilling machine, incorporating a level sensor for On - Off activation
Motor	Three-phase 400v motor, electronically controlled by VFD (Variable Frequency Drive)
Tank Capacity	Unique pond of 750L (approx.)

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.

### ASIA PACIFIC

Perth, Australia (Head Office)  
+61 8 9445 4000  
Indonesia  
+61 (0) 21 759 11244

### AFRICA

South Africa  
+27 (11) 908 5595

### EUROPE

Germany  
+49 4402 6950-0  
Norway  
+47 72 87 01 01  
United Kingdom  
+44 (0) 1273 483 700

### SOUTH AMERICA

Argentina  
+54 9 261 211 3676  
Brazil  
+55 (47) 3404 5020  
Chile  
+56 (2) 2589 9300  
Peru / Ecuador  
+51 (1) 322 8850

### NORTH AMERICA

USA / Canada  
+801-364-0233  
Mexico  
+52 (871) 680 7146

support@imdexlimited.com