

INSPIRING TRENCHLESS TECHNOLOGIES



TRACTO-TECHNIK

KOOPERATIONSPARTNER



# 500R COMPACT PROCESSING

RECYCLING SYSTEM



COOPERATION PARTNER



# 500R

## RECYCLING SYSTEM

- **Processing unit for Bentonite drilling fluid**  
L x W x H (as container setup): 3,00 m x 2,44 m x 2,59 m  
Weight of unit: 5.000 kg
- A flow rate of approx. 500 l/min. at a max. solid content of 25 % and a flow time of approx. 60 sec. are realistic.
- With low solid content a flow rate of up to 600 l/min. is possible.

The system's capacity depends on the solid content and the viscosity of the drilling fluid to be processed, as well as on the screen facings used.

### BASIC EQUIPMENT

- 1 piece 10ft container:  
as substructure for the screens with three-chamber tank system, triple-coated with synthetic resin-bound corrosion protection system, galvanized walking grid, central switch cabinet for operating the system, lighting, float switching
- 1 piece centrifugal pump for feeding the 4" hydrocyclone, mounted on pump skid, firmly installed inside the container  
Drive: 15 kW engine with mechanic seal
- 1 piece centrifugal pump for delivering the processed drilling fluid to the drill rig /suction chamber  
Drive: 7,5 kW Motor with mechanic seal
- 1 piece screen machine  
Type AMC 823 HGDD as primary screen  
Vibration: linear movement  
Vibrator type: Vibramotor, 2 x 2,2 kW/50 Hz  
Cage angle: -2°, +8°, mechanical angle adjustment  
No. of screens: 2 x 3 screens  
Screen type: flat, pre-stressed on metal frame  
Screen size: 42 „x 28“  
Screen fixture: quick-release fastening  
Screen surface: 6 PC. = 5,2 m<sup>2</sup>  
Coating: Polyurethane.
- Hydrocyclone unit 0/5  
5 pieces 4"-Hydrocyclone  
Flow rate: 1.150 l/min. at approx. 40 Micron firmly mounted on AMC Shaker

### Optional extension with downstream centrifugal module SRUM100

to achieve a separating cut of < 10 Micron

### Centrifugal module SRUM100

- Sub tank: 2 cbm with  
1 piece 2,2 kW immersion pump for circulation and transfer pump
- Feeding pump Seepex BN 10
- SPS controlled, filling level and engine power monitoring
- Detachable transport frame with  
200/980 mm decanter centrifuga  
Type AlfaLaval CDN X 100

- Mud type: drilling mud
- Flow rate: 6-9 m<sup>3</sup>/h
- Solid haulage: max. 150 kg TS/h
- Afflux concentration: up to 10 %
- Eccentric spiral pump BN 10
- Switch cabinet control unit

System power requirement:

- Electric connection 400V / 50 Hz (13 kW)
- Power connection 1 x 63 A

Transport dimensions:

- LxWxH: 2,60 m x 1,80 m x 2,10 m  
Weight: approx. 1.800 kg

### Performance data

#### Recycling system as container setup

Length [mm]	3.000
Width [mm]	2.440
Height [mm]	2.590
Weight [[kg]	5.000

<b>Max. cleaning performance [l/min.] *</b>	<b>600</b>
Cleaning performance at 25 % solid content and a flow time of 60 sec. [l/min.] *	500

<b>Separating cut [Micron] *</b>	<b>ca. 70</b>
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<b>Separating cut [Micron]</b>	<10
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#### with downstream centrifugal module SRUM100 \*

Tank capacity [m <sup>3</sup> ]	3,5
Power rating	400 V, 50 Hz, (50 kVA) 1 x 63 A
Power rating	400 V, 50 Hz, (60 kVA) 2 x 63 A

#### with downstream centrifugal module SRUM100

\* depending on soil conditions

Data subject to change

