

The compact desanding plants for separating solids and liquids

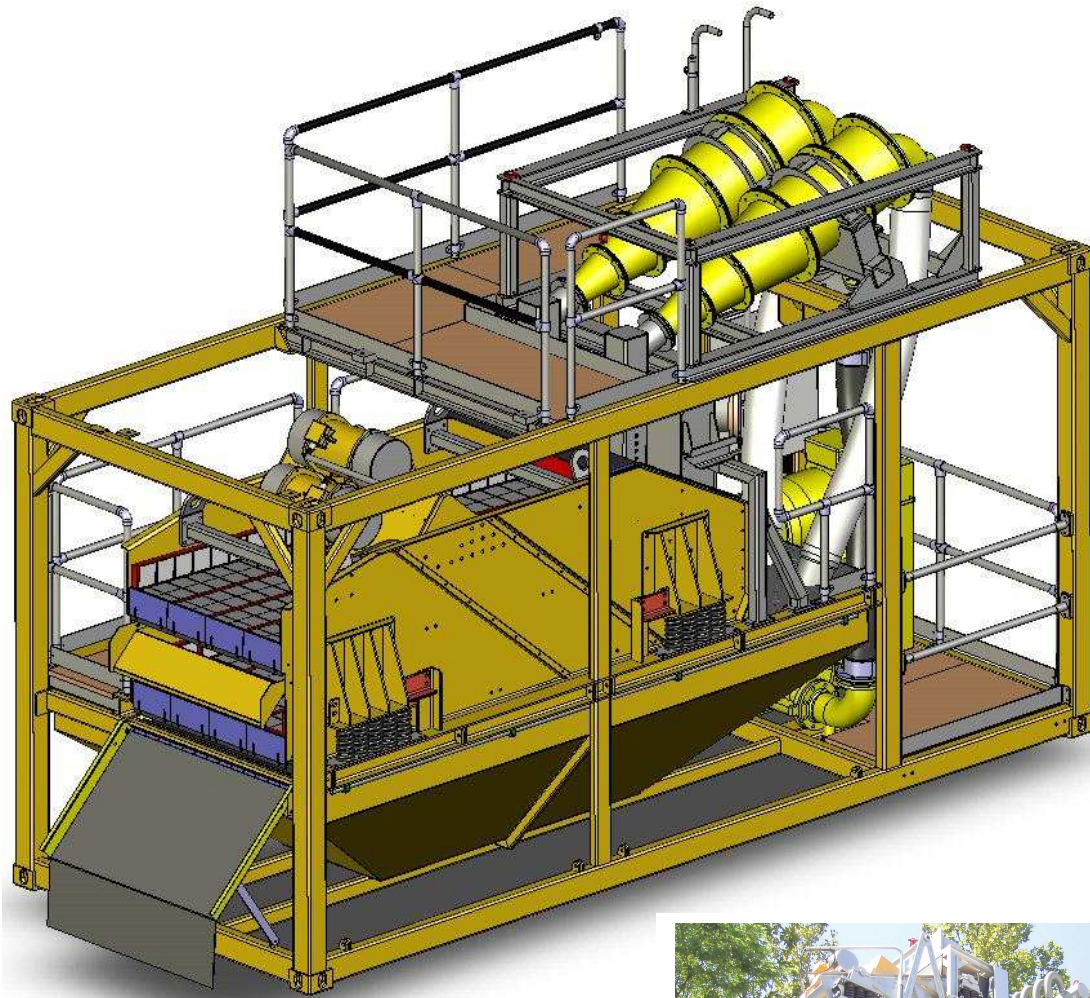


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FIELDS OF APPLICATION:

- Slurry supported grab works for piles and diaphragm walls
- Deep drilling
- Microtunneling
- Aggregate processing
- Mining Industry



We reserve the right to make technical modifications without prior notice and without assuming any obligation with respect to equipment previously supplied. The equipment shown may include optional special features. Technical data does not take into account operational efficiency. Error and misprints reserved.

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Desanding plant Type BE-425-60 with 2 x 18" - Cyclone

Description of Plant:

The Desanding plant consists of the following main component assemblies:

- 1 Base- und protective frame in container dimensions design with twistlock corners and tank
- 1 Double-Decker screen assy complete with vibration motor
- 1 Cyclone frame with 2 x 18 " cyclone
- 1 Deflector box
- 1 Pump unit with conveyor line
- 1 Walkway assembly with ladder
- **1 Electrical Control System**

for manual operation of the entire desanding plant.

The control system is installed in fully operational condition in a steel-sheet control cabinet, wired, and function-tested in accordance with the regulations of the Association of German Electrical Engineers (VDE).

All control and indicator elements required for operating and monitoring the plant are functionally arranged in the front door of the control cabinet.

Main Functions:

- Main Switch
- EMERGENCY STOP
- Pump "ON / OFF"
- Coarse sieve "ON / OFF"
- Dewatering screen "ON / OFF"
- TROUBLE alarming

Technical Specifications:

Transport dimensions approx. L x W x H:	6 058 x 2 438 x 2 896 mm
Weight approx.:	8850 kg
Transport dimensions Cyclone top approx. L x W x H:	2 250 x 1 602 x 1 024 mm
Weight Cyclone top approx.:	850 kg
Complete plant dimensions approx. L x W x H:	6 632 x 2 438 x 4 160 mm
Complete weight approx.:	9700 kg
Plant power input approx.:	89 kW
Mains AC supply voltage:	400 V (+/- 5%)
Frequency:	50 Hz
Capacity:	425 m ³ /h
Pump motor:	75 kW
Vibration motor:	2 x 7 kW
Cut point d₅₀:	0,060 mm
Coarse sieve:	Mesh width 5 x 25 mm (*1)
	Sieve area 5,25 m ²
Dewatering sieve:	Mesh width 0,4 x 16 mm (*1)
	Sieve area 4,50 m ²
Cyclon diameter:	450 mm

(*1) = Mesh width depending on the properties of the slurry.

Interface Specifications:

- | | |
|--|---|
| 1. Mains AC Power Supply | 1x Terminal bar |
| 2. Mains AC Power Supply optional vibrator or Coarse sieve | 2x CEE standard inlet plug 5-pole; 16 A |
| 3. Charging- interface | 1x DN250, PN10 |

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Optional:

Prescreener to separate the coarse fractions:

- GS-425-V (AN50020017)

Desilter module for additional fine separation:

- BDS-250-20-K (AN50020037)
- BDS-250-30-K (AN50020036)

Pump unit Typ BP-250:

- BP-250 (AN500068) Control with additional functions
- BP-250 (ANAN50020035) Control without additional functions (button Pump ON / OFF)

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