

### Transport dimensions

Plant component	Length x Width x Height [mm]	Weight [kg]
Tank	6000 x 2396 x 2500	4630
Platform	3500 x 3325 x 1150	1001
Screening machine 3P2D	2490 x 1755 x 1925	1912
12" Cyclone unit	1800 x 1350 x 1680	350
Centrifugal pump	1900 x 650 x 800	680

## Technical Specifications

**Capacity** (as per spec. below)\*<sup>1</sup>:  
max. 170 m<sup>3</sup>/h (max. SG: 1.25 kg/l)

**Power consumption** (entire plant): approx. 45 kW

- **Hydro vacuum cyclone - unit**
  - Number: 2 Hydro vacuum cyclones
  - Dimensions: 12 inch (305 mm)
  - Cut-point ( $d_{50}$ ): 45  $\mu\text{m}$ <sup>\*1</sup>
- **Double deck screening machine 3P2D**
  - Hookstrip screen deck (upper deck)
    - Number: 1 Hookstrip screen
    - Screen area: approx. 1.4 m<sup>2</sup>
  - Panel screen deck (lower deck)
    - Number: 3 panel screens
    - Screen area: 2.4 m<sup>2</sup>
    - Angle adjustment: -3° to +7°
  - Screen area (total): approx. 3.8 m<sup>2</sup>
  - Power: 2 x 1.86 kW (lower & upper deck) = 3.72 kW
  - Voltage: 400 V / 50 Hz
- **Cyclone feed pump**
  - Wear-resistant Centrifugal pump, 6 x 5 x 14
  - Speed: 1500 rpm
  - Power supply: 37 kW / 400 V / 50 Hz

\*<sup>1</sup> Changing parameters (density, viscosity, ground conditions, particle size distribution and size of mesh) lead to changed performance. This can vary to the upper or lower end of performance range.

- **Tank (2 chambers)**
  - 1. Chamber: Underflow 3P2D
  - 2. Chamber: Overflow Hydro vacuum cyclones
  - Tank capacity: approx. 36 m<sup>3</sup>

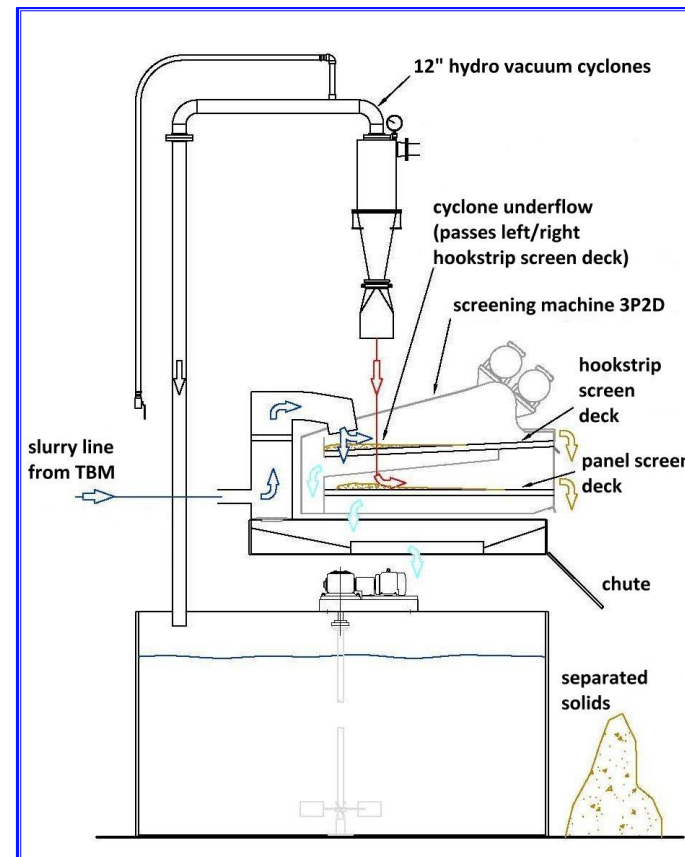


Illustration: Separation process TSP170