



The sand classifier OMEGA CSB is ingenious tailor-made and effective equipment for trapping and settling sand particles and conveying them well dewatered.



ADVANTAGES

- Full enclosure
- Integrated drainage valve
- Can be coupled with an hydrocyclone
- Capture rate up to 95%
- Separation down to 200 microns
- Capacity up to 125 m³/h
- Construction 304L or 316L stainless steel





OPERATING PRINCIPLE

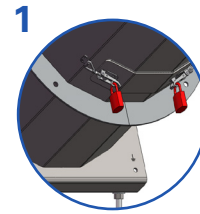
The CSB sand classifier is a very compact unit consisting of one tank and one integrated screw conveyor for the extraction of sand and heavy particles.

The sandy raw effluent, a mixture of sand and water is fed through one integrated flange.

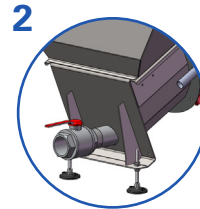
The mixture then flows down. Solids sink down to the lower section of the classifier whereas light organic matter is carried with the water and returned to the wastewater by overflow.

Heavy particles are picked up by one especially designed EMO screw conveyor. This inclined SCV screw conveyor removes particles slowly right to the discharge chute and thus drained by gravity.

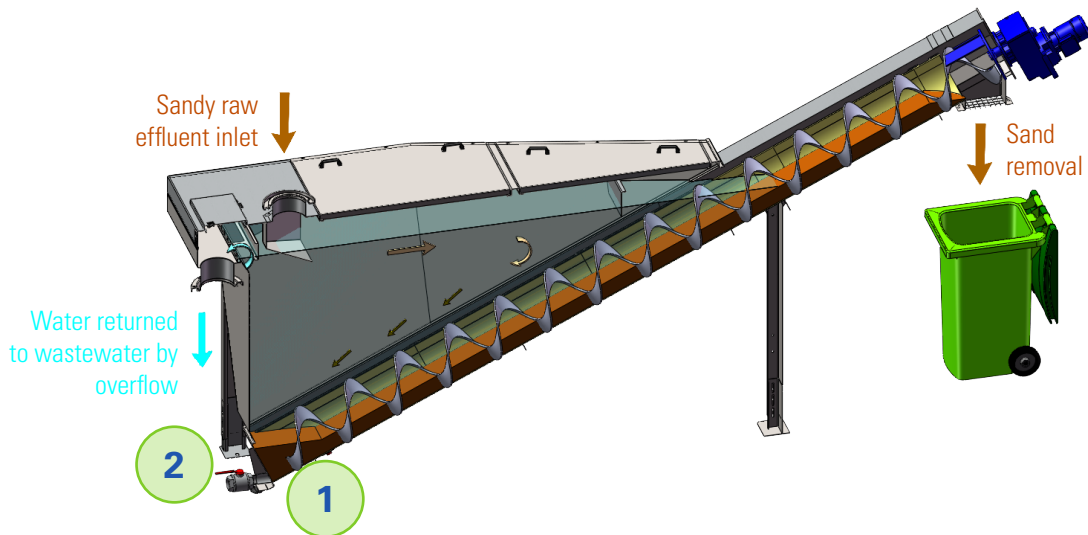
Classified sand then drops from the screw conveyor into one garbage container.



1
Inspection hatch
Easy visual check of the HDPE parts located at the bottom of the trough



2
Draining valve
Operator comfort and easy maintenance



RANGE & OPTIONS

Description	
Type CSB	from 020 to 125
Flowrate	up to 125 m ³ /h
Spiral diameter	from 190 to 360 mm

