



Centrifugal mobile unit



The decanter is designed to perform separation operations for mixtures having high solid concentrations (from 1 % up to 30 %).



Operating Principle

The feed solution is introduced into a cylindrical-conical bowl which is rotating. The liquid is accelerated at high speed and divided into 2 phases by centrifugal force.

A screw conveyor, which rotates at a differential speed, ensures the evacuation of the accumulated solids to the tapered outlet. The clarified liquid flows in counter-current and is discharged by overflow.

It is possible to monitor the dryness by modifying the differential speed and consequently the retention time of the solid inside the bowl. Our decanters are able to extract particles which size varies from 2 μm to 40 mm with an hydraulic outflow reaching up to 20 m^3/h .



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Mobile Units

We have complete centrifugal mobile unit, available for rent to meet your punctual needs or to carry out on-site testings. The unit is compact and includes the decanters, electrical cabinet, inlet and outlet, pumps, polymer flocculent, power generator, located in a removable container. Our technicians can assist you for the commissioning and the operations.

Technical Data	W1D351
Hydraulic flow (m^3/h)	20
Production flow (m^3/h)	7
Bowl diameter (mm)	350
Rotation speed (rpm)	3600
Acceptance of solid concentration	up to 30 %
Main Engine power (kW)	15
Secondary Engine power (kW)	5,5
Dimensions (l * w * h in cm)	5550 * 2440 * 2500
Consumption (LPH)	9



Mobile unit W1D351



Main Applications

Our products are designed to effectively perform clarification, concentration and separation operations. Our range covers a multitude of applications in many industries such as pharmaceuticals, cosmetics, food and beverage, oil and water treatment, renewables, etc.



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