

High-Speed Tubular Bowl Centrifuge

This separating equipment uses centrifugal force to separate liquids of different densities, forming outer and inner rings that are discharged through respective outlets. Micro solids accumulate on the bowl wall and are manually removed after shutdown.



Overview

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This high-speed tubular bowl centrifuge is engineered for the efficient separation of complex suspensions and emulsions. Utilizing a robust centrifugal force field generated by an overspeed-rotating bowl, it effectively clarifies liquids and separates phases based on density differences. It is an essential tool for industries requiring high-precision separation of fine solids and immiscible liquids, such as pharmaceuticals, biotechnology, and chemical processing.

Technical Specifications

Centrifugal Force

15025 G

Centrifugal Force

Bowl Inner Diameter	105 mm
Operating Speed	16000 RPM
Maximum Throughput	1200 L/h
Solid Holding Capacity	5.5 L
Motor Power	2.2 KW

Physical Dimensions

Dimensions (LxWxH)	800 x 700 x 1400 mm
Net Weight	400 kg

Applications

Model Capability

Model	Primary Use
GF	Liquid-liquid separation and liquid-liquid-solid separation
GQ	Clarification of suspensions with fine solid particles

Suitable Industries	Pharmaceutical, Biotechnology, Chemical, Food & Beverage
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