

Tubular Separator Centrifuge

This high-speed tubular separator centrifuge is designed for separation, clarification, and liquid-liquid extraction in various industrial applications. It is suitable for processing liquids with low solid content and immiscible liquids with slight density differences.



Overview

High-Efficiency Tubular Separator Centrifuge

This industrial centrifuge is designed for high-performance liquid-solid and liquid-liquid separation processes. Utilizing strong centrifugal force generated by high-speed bowl rotation, it effectively clarifies liquids and settles solids in various industrial applications. The robust construction allows for reliable operation in sectors ranging from pharmaceutical processing to biotechnology and food production.

Technical Specifications

Key Performance Metrics

15570 RPM

Rotational Speed

15025 G

Centrifugal Force

3000 L/Hour

Max Throughput

10 L

Solid Holding Capacity

Physical Characteristics

Parameter	Value
Motor Power	3.0 KW
Bowl Diameter	142 mm
Weight	500 kg
Dimensions	1020 x 600 x 1558 mm

Design and Operation

Operational Details

- Manual solids discharge
- Supports liquid-liquid-solid or liquid-liquid separation
- Gravity-based centrifugal separation
- Manual discharging after machine stop

Materials

SS304, SS321

Applications

Typical Applications

- Oral liquid and beverage clarifying
- Protein and plant/herb extraction
- Molasses refinement
- Microbe settlement (yeast, E. Coli, lactobacillus)
- Purifying paint, dye, and resins
- Processing granular or fibrous suspensions
- IGY separation
- Algae separation