MANUEL

TECHMI Group

Global solutions for a growing world

TECHNICAL SPECIFICATIONS CENTRIFUGE



DHC300 INDUSTRIAL DISC CENTRIFUGE

The Techmi Group disc centrifuge is designed for the efficient separation of solids and liquids using centrifugal force. Its internal disc system accelerates particle settling, resulting in fast and effective separation.
It features an automatic solids discharge system, variable frequency drive, and components in contact with the product made of stainless steel. It is suitable for applications in the biotechnology, food, chemical, and petrochemical industries.

Technical specifications:

- Type of equipment: Disc separator centrifuge
- Drum diameter 300 mm
- Rotation speed 8,000 rpm
- Motor power 4 kW
- Equivalent sedimentation surface 17.2×10^7 cm^2
- Number of discs: 108
- Material in contact with the product: Stainless steel
- Maximum solids concentration 0.5%
- Automatic unloading system, via hydraulic drive
- Liquid phase outlet via centrifugal pump
- Transmission system Motor with frequency converter
- Touchscreen control and solenoid valves

Main features:

- High separation efficiency: disc assembly that optimizes solid-liquid separation.
- Automatic solids discharge: simplifies operation and reduces operator intervention.
- Progressive start: frequency inverter that promotes uniform acceleration.
- Durable construction: materials in contact with the product are made of stainless steel.
- Stable operation: design aimed at reducing vibrations and noise during operation.

Applications:

Separation and clarification of liquid suspensions, recovery of solids and processing of products in the biotechnology, food, chemical, pigment and petrochemical industries.

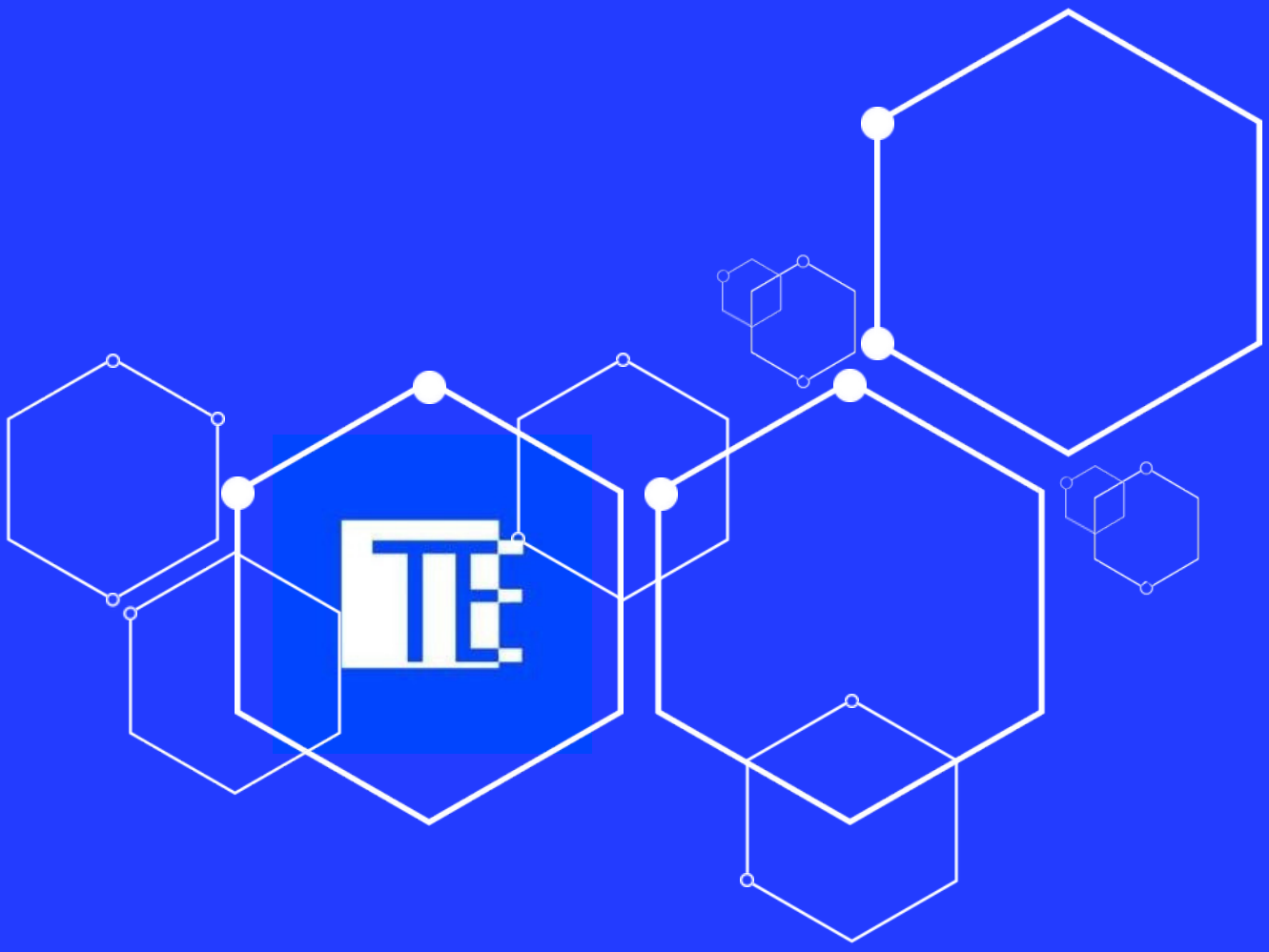








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