TECHNICAL BROCHURE

PULP DESINTEGRATOR

model DSG-21



Disintegration is a fundamental step in the preparation of pulp suspensions for laboratory testing and analysis. When performed correctly, it ensures complete sample representativeness and the reliability of the subsequent results obtained.

The DSG-21 Pulp Disintegrator was specifically designed to promote efficient fiber separation, preserving the original fiber characteristics and morphology while strictly complying with the main applicable international technical standards. Its automatic control system and robust construction ensure high repeatability, operational safety, and convenience in the daily laboratory routine.

KEY FEATURES

- **Robust construction designed for long-term reliability**, ensuring consistent performance in laboratory and industrial environments.
- **Robust stainless steel and corrosion-resistant construction** ensures long service life, even under intensive use.
- **Programmable digital revolution counter,** with automatic shutdown at the end of the test.
- **Vessel presence sensor** that enhances operational safety and prevents accidental start-up.
- **Regmed equipment:** a global reference for over 65 years in laboratory solutions for physical testing of pulp, paper, and packaging materials.

MAIN APPLICATIONS

- Pulp preparation for laboratory handsheet forming tests
- Sample preparation for drainability and refining tests (Schopper-Riegler and Canadian Standard Freeness)
- Controlled separation of recycled and virgin fibers without structural alteration, ensuring reproducible results
- Material preparation for quality control and process development in pulp and paper laboratories

TECHNICAL STANDARDS

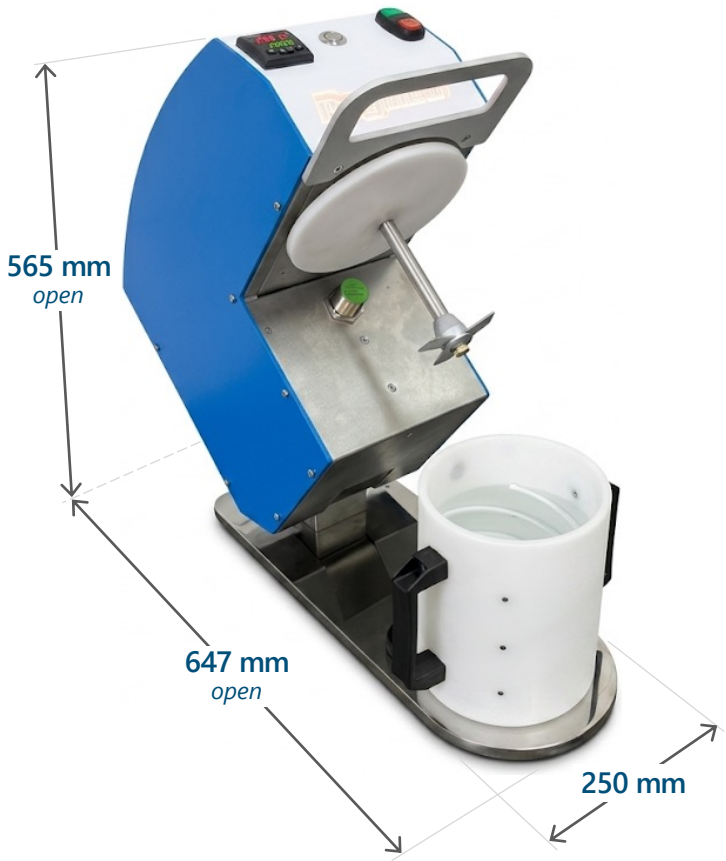
- ISO 5263-1
- ISO 5263-2
- TAPPI T-205

** Due to continuous development, this equipment is subject to change without prior notice.*

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DIMENSIONS





SPECIFICATIONS

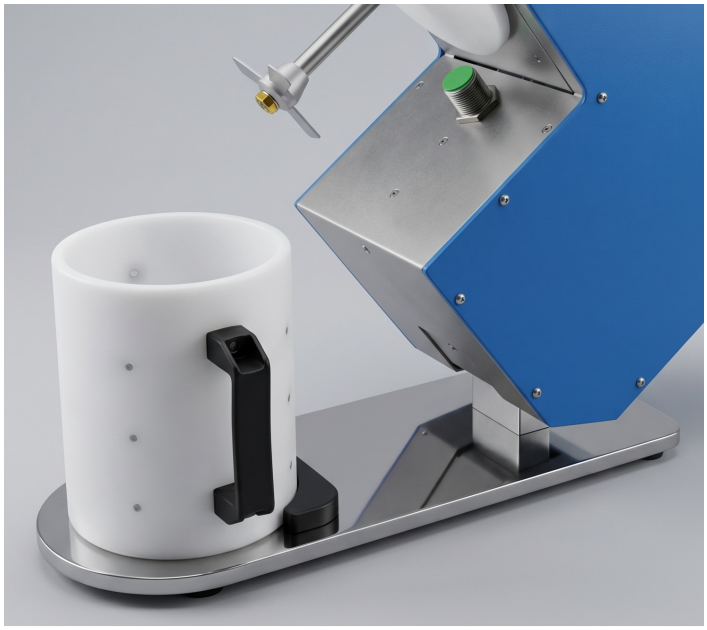
Total vessel volume	3.4 L
Disintegration propeller speed	2,900 RPM
Maximum revolution counter capacity	999,999 revolutions
Revolution count setting	1 – 999,999
Power supply	220 VAC, 50/60 Hz, single or two-phase, 350 W
Weight	40 kg

All parts in contact with the suspension are made of corrosion-resistant materials. Tilting system for vessel access.

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ADDITIONAL IMAGES



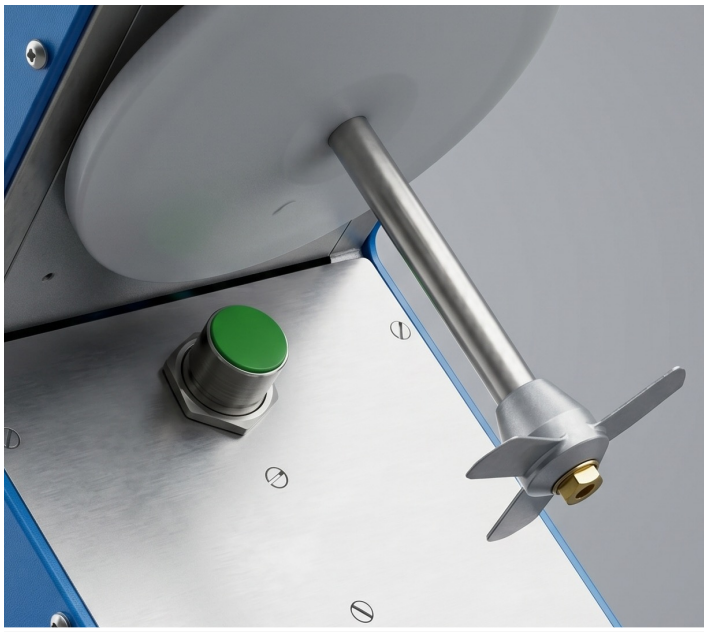
Tilting lift system

Counterbalance system that ensures smooth opening and closing of the equipment.



Baffled vessel

Supplied with a baffled vessel made of Nylon and PLA, lighter and more durable than metal models.



Safety sensor

Ensures the disintegration propeller does not move while the equipment is open or the vessel is not correctly positioned.



Verification gauge

Supplied with a gauge for verification and angular adjustment of the disintegration propeller blades.

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