

REINHELDT GmbH

Bathless Disintegration System Reinheldt RDS-250 New Gen

Model: RDS -250 (2-Station Semi-Automatic Park Out)

Manufacturer: Reinheldt GmbH



1. System Operational Highlights

The RDS-250 New Gen is designed to eliminate the need for traditional water baths, focusing on efficiency, visualization, and compliance.

- **Direct Heating Technology:** By removing the water bath, the system heats media approximately 30% faster than conventional testers. This results in significant savings on water, electricity, and process time.
- **Independent Station Control:** Features individual motors and heaters for each beaker. This allows users to test two different products at different temperatures simultaneously.
- **Enhanced Visibility:** The bathless design, combined with integrated green LED bottom illumination, provides a clear, unobstructed view of the disintegration process.
- **Automation (Park-Out):** Upon completion of the test timer, the basket assembly automatically lifts out of the beaker ("Park-out" feature).
- **Ergonomics:** Constructed with a robust Stainless Steel (SS) body and magnetically coupled baskets for easy loading and unloading.
- **Regulatory Adherence:** Fully compliant with USP, IP, BP, and Ph. Eur. pharmacopeial specifications.

2. ClearTouch™: Smart Interface & Compliance



The unit is equipped with the Clear Touch operating system to ensure data integrity and security.

- 21 CFR Part 11 Ready: Ensures compliance through limited system access and authority checks.
- Security: Supports multi-level security protocols, including biometric fingerprint authentication for up to 250 users (with 10 distinct roles).
- Data Management:
 - Internal storage for up to 10,000 test reports.
 - Electronic Instrument Log Book.
 - Product memory for 999 selectable products.
- Connectivity & Interface:
 - 7-inch capacitive touch screen display.
 - "D'light" technology for instant visual status updates.
 - Supports Serial 40/80 column printers and "TaaS" (Technology as a Service) architecture.
 - Audit Trail capabilities.

3. Technical Specifications

Parameter	Specification Details
Model	RDS-250
Vessel Capacity	1000ml (Glass Beakers)
Basket Configuration	2 Nos. (Each carrying 6 test positions)
Discs	Perforated cylindrical discs (6 per basket)
Display Interface	20 x 4 LCD
Connectivity	Serial Port RS232
Heating Power	100W x 2
Illumination	Green LED
Power Requirements	230V AC, 50Hz, 110V AC, 60Hz
Strokes per Minute	29 to 32
Stroke Height	55mm ±2mm
Temperature Range	Readable: 10°C to 45°C Controlled: 15°C to 40°C
Temp Resolution	0.1°C
Timer Capacity	99 hrs 59 min 59 sec (Individual per basket)
Dimensions	360 x 372 x 570mm (LxWxH)
Sensor Type	RTD (2 Nos. for individual beakers)

Description	Type	Ref No.	Part Number
Standard Accessories			
Guided Disc for six tube basket assembly (Set of 6)	Standard	RH-DIS-001	RDH-GDISC-6SET
Six Tube Basket Assembly with guided disc (Set of 2)	Standard	RH-DIS-002	RDH-BASKET-6T
Glass Beaker (1000 mL)	Standard	RH-DIS-003	RDH-BEAKER-1L
External Temperature Probe (for EDI-25A)	Standard	RH-DIS-004	RDH-TPROBE-EXT
Optional Accessories			
Three Tube Bolus Basket Assembly with guided disc (Set of 2)	Optional	RH-DIS-005	RDH-BASKET-3T
Magnetic Guided Disc (Set of 12)	Optional	RH-DIS-006	RDH-MAGDISC-12
Single Tube Bolus Basket Assembly with guided disc (Set of 2)	Optional	RH-DIS-007	RDH-BASKET-1T
PC Keyboard	Optional	RH-DIS-008	RDH-KEYBOARD
Printer (Epson LX-310 plus)	Optional	RH-DIS-009	RDH-PRINTER-EP

4. Components & Accessories

A. Standard Accessories (Included)

5. Warranty & Support Services

- Coverage: 2-year warranty on limited parts (subject to standard operational conditions).
- Documentation: Full IQ (Installation Qualification) and OQ (Operational Qualification) support is available.
- Training: On-site training provided during installation.

Note: The extended warranty covers specified parts only. Labour and service are chargeable. Warranty is void in cases of abnormal ambient conditions (water impact, rodent attack, etc.).

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