



DISSOLUTION TESTER - 14 STATION MANUAL SYRINGE SYSTEM (NEW GENERATION)

Dissolution Tester - 14 Station Manual Syringe System (New Generation)

Dissolution Tester - 14 Station Manual Syringe System (New Generation) is a high-precision dissolution testing apparatus designed for accurate and repeatable dissolution tests in pharmaceutical quality control and development laboratories.

This dissolution tester provides controlled temperature, agitation, and sampling conditions to evaluate how solid dosage forms release active ingredients over time. Built for compliance, reliability, and daily laboratory use, it supports regulated dissolution testing equipment workflows under USP, IP, Ph. Eur., and JP requirements.



APPLICATIONS

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Applications

- Pharmaceutical Quality Control: Performs routine dissolution tests to verify batch-to-batch consistency and product performance.
- Pharmaceutical Manufacturing: Supports in-process and finished product testing using standardized dissolution test methods.
- Research and Development: Evaluates formulation behavior for immediate-release and modified-release dosage forms.
- Stability and Comparative Studies: Enables long-duration and infinity testing for controlled and sustained release products.
- Regulatory and Validation Testing: Generates secure, traceable data suitable for audits and compliance documentation.

FEATURES

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Key Features

- 14-station dissolution tester configuration for high-throughput dissolution testing.
- Manual syringe sampling system for controlled and flexible sample collection.
- 7-inch TFT touch screen with intuitive user interface for easy method setup and operation.
- Fully compliant with USP, IP, Ph. Eur., and JP dissolution test apparatus standards.
- Integrated data integrity system supporting 21 CFR Part 11 compliance.
- Multi-level user security with password-protected roles and authority checks.

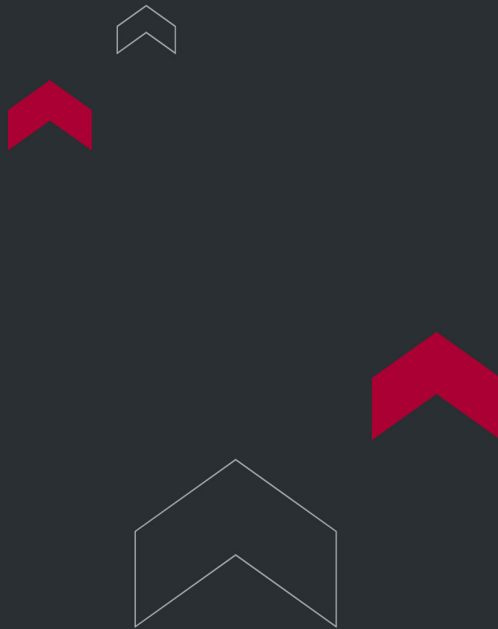
- Precision vessel centering and snap-fit shaft locking for wobble-free operation.
- Molded clear water bath with efficient circulation and bottom drainage for easy cleaning.
- Programmable test methods, sampling intervals, and tolerance limits for temperature and RPM.
- LAN connectivity for data backup, report transfer, and centralized printing.
- Electronic logbook, audit trail, and automatic report generation in PDF format.
- Power failure detection with auto-resume to protect ongoing dissolution tests.

TECHNICAL SPECIFICATIONS

Dissolution Tester - 14 Station Manual Syringe System (New Generation)
Technical Specification

Model	ToronDT™ - MSS 14
Number of Stations	14
Sampling Method	Manual syringe system
Display	7" TFT touch screen
Compliance	USP, IP, Ph. Eur., JP
Data Integrity	21 CFR Part 11 compliant
User Management	Multi-level security, up to 250 users
Water Bath	Molded clear bath with bottom drainage
Vessel Alignment	Individual vessel centering system
Shaft Locking	Snap-fit, wobble-free mechanism
Programmable Products	Up to 1000 methods

Model	ToronDT™ - MSS 14
Sampling Intervals	Up to 24 programmable intervals
Sample Volume Range	1 mL to 20 mL
Report Storage	Up to 50,000 test reports
Connectivity	LAN, FTP data transfer
Audit Trail	Yes
Logbook	Electronic
Power Recovery	Automatic resume after power failure
Temperature & RPM Tolerances	Programmable
Standards Marking	Laser-marked paddles, baskets, and vessels



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