

Pharmacy Instrument

Disintegration Tester

Introduction:

The disintegration tester is a pharmacopeial instrument designed to assess the disintegration time of tablets, capsules, and pills in compliance with the Chinese Pharmacopoeia. It is critical for quality control of solid dosage forms and pharmaceutical formulation development. By measuring disintegration duration, it evaluates drug release kinetics to ensure in vivo performance meets specifications. This instrument plays a vital role in production monitoring, quality assurance, and formulation optimization.



Features:

- * Dual-basket system for simultaneous disintegration testing.
- * Two independent baskets enable parallel experiments.
- * Electronic temperature sensors monitor and display real-time water bath and vessel temperatures.
- * Automatic temperature control at 37.0°C(pharmacopeia-compliant) with customizable presets.
- * Programmable lifting cycle duration (default: 15 minutes; adjustable bidirectionally).
- * User-friendly capacitive touchscreen with high-resolution interface.
- * Overheat alarm and automatic protection for water bath temperature.

Technical Parameters:

Model	BBJ-2
Basket	2 pcs
Beaker Capacity	1000ml
Basket Lifting Frequency	30~31 times/min
Basket Lifting Height	55±1mm
Minimum Spacing	25±1mm
Mesh Size	Standard 2mm,(0.425mm, 1mm is optional)
Temp. Range	RT~45°C
Temp. Precision	±0.5°C
Timing Range	1~900min
Time Precision	±0.5min
Working Time	>24h
Power Consumption	550W
Power Supply	AC220V, 50Hz(Standard); AC220V/110V, 60Hz(Optional)
External Size(W*D*H) mm	400*320*440
Package Size(W*D*H) mm	470*370*500
Net Weight(kg)	16
Gross Weight(kg)	19

Dissolution Tester

Introduction:

The dissolution tester is widely used in pharmaceutical production to evaluate the rate and extent of drug release (dissolution) for tablets, capsules, and granules, as stipulated by the Chinese Pharmacopoeia. Accurate measurement of dissolution is critical for quality control, making the calibration and technical performance optimization of dissolution testers highly significant.



Features:

- * Dual-function electric lifting and tilting of the test head.
- * Intuitive human-machine interface for simplified operation.
- * Pre-settable parameters with automatic storage, no reset required upon restart.
- * High-precision rotation control with stable operation and low energy consumption.
- * Integrated sensors and optimized software/hardware control ensure rapid heating, high accuracy, and easy temperature calibration.
- * Independent timer control for flexible start, pause, and reset functions.
- * Self-diagnostic alarms and overheat protection.

Technical Parameters:

Model	BRC-3
Basket	3pcs
Speed Range	20~200rpm
Speed Precision	±2rpm
Temp. Range	RT~45.0°C
Temp. Precision	±0.3°C
Timing Range	1~999min
Time Precision	±0.5min
Working Time	>24h
Paddle Swing Amplitude	≤0.3mm
Basket Swing Amplitude	≤0.8mm
Power Consumption	600W
Power Supply	AC220V,50Hz(Standard); AC220V/110V, 60Hz(Optional)
External Size(W*D*H)mm	540*380*550
Package Size(W*D*H)mm	590*450*600
Net Weight(kg)	56
Gross Weight(kg)	62