

DST-3C

Automated Disintegration Tester



The DST-3C automated disintegration tester is the latest device specifically designed to test and measure the disintegration time threshold for solid dosage medication. It is fully compliant with USP Regulation. The system controls up to three individual stations. The dip speed for each basket assembly can be set between 30-90 dips per minute (DPM) up to 999 minutes. This unique design is suitable for Research and Development as well as Quality Control. The DST-3C employs a programmable microprocessor controller to regulate the dip speed and water temperature. With a built-in Thermal Sensor Switch, the heating process stops at 45°C to prevent over-heating. Each water tank holds three beakers. The single in-line layout allows maximum visual observation and ease of operation.

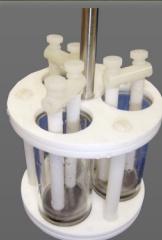
The optional digital camera + DVR system will allow monitoring and recording of the physical disintegration process during the test time period. The camera lenses are mounted directly under the beakers and the LED provides extra lighting to ensure better images. The DVR will record all of the tablets' physical disintegration images non-stop for up to sixty days.

With its advanced features, it is simple to set up and operate. The operator inputs the length of the run, loads the tablets, and presses the Start button. A series of beeps is emitted as an alert one minute before the test ends. At the conclusion of the run, the basket assemblies are automatically lifted out of the beakers to home (highest) position for easy viewing.

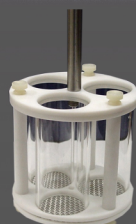
Basket and media height adjustment is simple with the provided kit. The DST-3C main lift unit is made of high quality metal with an acid resistant finish. All operation parameters meet or exceed USP specifications.



Three individually controlled speed stations



Mouth film test basket design



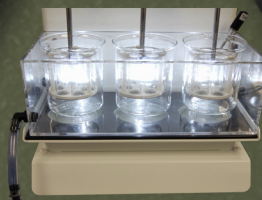
Three holes basket design (USP Disintegration Apparatus B)



Durable construction for years of dependable performance



Printed records for documentation



Individual illuminated baskets with strategically placed lighting



Color touch screen controller with CFR21 Part 11 compliance program



Optional camera system to record test time and product physical disintegration

Specifications

DST-3C Automated Disintegration Tester

Number of basket assemblies	Up to 3 stations
Length of stroke	55 ± 2mm
Frequency	Each station is adjustable from 30 -90 strokes/min
Temperature control	30 to 50 °C ±0.5 °C
Bath construction	Fabricated clear acrylic
Power consumption	<900 watts
Voltage	110-120VAC 60Hz 220-240VAC50Hz 220-240VAC 60Hz
Current consumption	For 120VAC/60Hz units: 10A For 220VAC/50Hz units: 5A
Screen to beaker (Down)	25 ± 2mm
Liquid to screen (Up)	15 ± 2mm or 25 ± 2mm
Weight	55lbs.
Size	18" x 18" x 26" (D x W x H)
Operating Environment	Temperature: 4~35°C Relative Humidity:<85%
Tester Noise Level	<60 dB