

RC Series

Dissolution Tester



**All of our lab instruments are designed and manufactured
in accordance with USP specifications.**



RC Series Dissolution Tester



RC Series Tablet Dissolution Tester is the requisite instrument in detecting dissolution of tablets, capsule etc. All of our lab instruments are designed and manufactured in accordance with USP Specifications. The units come with 6 or 8 vessels; the 2 additional vessels can be used for blank, standard or media replacement. The USP dissolution apparatus consist of a control system, electric system, dissolution bath, transmission system, lifting system, transducer unit, paddle unit, and rotating basket unit.

Dissolution Tester

Principle

Dissolution testing is the most important way to study, under in vitro conditions, the release of a drug from a solid dosage form, and thus represents an important tool to assess factors that affect the bioavailability of a drug from a solid preparation. During a dissolution test the cumulative amount of drug that passes into solution is studied as a function of time. The test thus describes the overall rate of all the processes involved in the release of the drug into a bioavailable form.

Dissolution studies are carried out for several reasons:

- To evaluate the potential effect of formulation and process variables on the bioavailability of a drug
- To ensure that preparations comply with product specifications.
- To indicate the performance of the preparation under in vivo conditions.

Dissolution is accomplished by locating the tablet in a chamber containing a flowing dissolution media. So that the method is reproducible, all factors that can affect the dissolution process must be standardized. Details on approved test methods and official monographs can be found in the European or US Pharmacopoeias.



Technical Data	RC-6	RC-8	RC-6D	RC-8D
Number Of Testing Vessels	6	8	6	8
Speed Range	20 ~ 200 RPMS	20 ~ 200 RPMS	20 ~ 200 RPMS	20 ~ 200 RPMS
Temp. Range	Ambient To +45 C	Ambient To +45 C	Ambient To +45 C	Ambient To +45 C
Temp. Stability	+0.5 C	+0.5 C	+0.5 C	+0.5 C
Auto.Time Range	1 ~ 999 Min (Nine Time Points)	1 ~ 999 Min (Nine Time Points)	1 ~ 999 Min (Nine Time Points)	1 ~ 999 Min (Nine Time Points)
Continuous Work	> 24 Hours	> 24 Hours	> 24 Hours	> 24 Hours
Dimensions	960 X 320 X 480	960 X 440 X 480	960 X 400 X 480	960 X 520 X 480
Weight	44kg	45kg	56kg	58kg
Power	110V/220V, 50/60Hz, Single Phase, 1 KW Or As Required			

SaintyCo Also Offer:

- Tablet Press
- Blister Packing Solutions
- Lab Instruments
- Inspection Machine

For additional information, please drop E-mail to
info@saintyco.com

