

TABLET DISSOLUTION TESTER

Quartz series comprises of high quality and feature rich Tablet Dissolution Testers which comply with features of 21CFR compliance and entirely with specifications of USP 43. When test mode is initiated, no changes can be made unless system is stopped by user. System provides an efficient working history which can not be edited or deleted. System has wide rpm operating range i.e. 25 rpm to 250 rpm with an accuracy of ± 1 rpm or less for higher speeds, either case they fully observe the limits defined by USP 43. Temperature of water bath is monitored by two sensors at inlet and outlet valve with an accuracy of $\pm 0.5^{\circ}\text{C}$. System is operated with stepper motor with little to no sound and vibrations. Two years of warranty for motor is provided if adequate pre-requisites are present at the time of installation. Sufficient storage space for 40 methods and 200 reports are featured. Polycarbonate or borosilicate glass vessels are available as per customer demand. Systems are supplied with user manual, IQ & OQ and calibration documents. We also offer additional services for mechanical calibration and USP 43 conformity certificates. Our years of experience has enabled us to manufacture distinctive quality and to provide competent services.



QUARTZ - 8TS



Embedded microprocessor based technology control stepper motor which is most precise and accurate technique for rpm control. System automatically start as the temperature is achieved to set point, if RUN key has been pressed after setting parameter. Tablet adding hole on top is provided and sample can be withdrawn from the same hole with sampling canulla. Sampling canulla are provided with each system. Jar lids automatically fix on jars as the lift moves to down position. All paddles, baskets are numbered for identifications. Constant water circulation make the temperature uniform in the tank. The system has storage for 40 method and 200 reports with no editing features. 21CFR features have made the system marvelous and bench mark. Weight and dimension are approximate Laid down in table. Many optional accessories like sinkers, ss paddles, glass jar (clear and colored) and basket 40 and 100 mesh are available. All documentation regarding USP conformity available on cost. Test report is printed by using thermal printer which has all needed information.

DISSOLUTION BASKETS

USP I apparatus use baskets. Dissolution Baskets are fragile and are easily damaged. The standard mesh size is 40 mesh but many other sizes from 10, 20, 40,100 and 150 mesh. We stock only 40 and 100 mesh other can be managed against order. The baskets are marked serial no and are strong enough for good life. Baskets should pass wobble test and mesh should be fixed in rings. Keep the baskets clean with washing or using ultrasonic bath.



SINKERS



Spiral Type



Basket Type

SINKERS

Using a sinker in Apparatus II fixes the dosage form to a certain point and aids reproducibility. Sinkers can also be useful where dosage forms may stick to the sides of the vessel. Two types Helix type (spiral) or Basket types are used we stock both.

DISSOLUTION PADDLES

USP II apparatus is widely used apparatus in dissolution testing. The dimension of paddle is precisely controlled. The material of paddle are Teflon or stainless steel. Paddles should also be stored properly. All paddles should be marked serial no. and should be wobble free. Most method use paddles. We have both Teflon and stainless steel paddles.





DISSOLUTION JARS

Dissolution Vessels are a critical part of the apparatus and should be treated as a precision part. Dissolution vessels play a big part in the dissolution process and it is perhaps surprising that such a large tolerance in the inside diameter is allowed.

Material may be Glass or Plastic. We stock both as per specification of USP. Volume also varies from 100 to 1000 ml. we have only 1000 ml volume jars.

SAMPLING CANULLA

Sampling canulla are used to take the sample as described by USP and other pharmacopoeia's we use proper material and dimension. Sampling canulla comes with 20 ml syringe and syringe filter.



PRINTER

Used to print reports. 80mm paper roll is used. You may copy the report for long time storage for record.

