

TABLET DISSOLUTION TEST APPARATUS

MODEL: DA-1



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- Microprocessor based speed controller, maintains constant speed.
- The apparatus is equipped with maintenance free sturdy stepper motor.
- Sensitive Thermostat to control and maintain the temperature of water bath.

Rate of dissolution of Tablets/Capsules is one of the most important tests conducted by Quality Control & Research Laboratories of Pharmaceutical Industries. Dissolution test is carried out to determine the rate of release of medicament of the tablets or capsules, under specified conditions. This Single Test Dissolution Apparatus, Model:DA-1 consists of constant temperature, acrylic water bath, in which dissolution vessel is kept. Suitable, specified dissolution media is taken in the dissolution beaker. Tablets or Capsules are introduced in this vessel having a S.S. Stirrer with paddle or basket, designed as per USP specifications. The control unit of the instrument is equipped with unique stirrer speed controller and sensitive thermostat to control the temperature of the water bath accurately.

An outstanding feature of this advanced apparatus is that it is equipped with a maintenance free stepper motor. The speed of this sturdy motor is controlled accurately and maintained with ± 1 RPM by latest microprocessor based circuitry. It accurately controls and maintains the speed, absolutely constant, which is required for dissolution test. In spite of this advanced circuitry, the apparatus has very simple controls. The desired speed such as 50, 100, 150 can be set by simple push buttons numbered switches. The apparatus is supplied with two S.S. Stirring Shafts as per IP/USP specifications. One is with paddle, while other is having arrangement to hold the dissolution basket. The paddle and basket provided strictly conform to USP Standards. The apparatus is supplied with unbreakable transparent dissolution polycarbonate jar, as per IP/USP specifications.

All the dissolution test parameters like constant stirring speed, temperature of dissolution vessel, dimensions of vessel, stirrer blade, baskets etc, are very critically maintained in the instrument as per IP/USP specifications and requirements. Unit operates on single phase 220/230 Volts main supply.

TABLET DISSOLUTION TEST APPARATUS, (THREE TESTS) MODEL: DA-3

This economical less expensive three tests version is popular model, which is preferred and used regularly by Quality Control Labs. This apparatus is having all similar features and functions of Model: DA-1 and it is equipped with three sets of accessories to conduct three tests simultaneously. The temperature of the entire bath is controlled by a sensitive thermostat. Every instrument is tested, checked and validated, in house with special validation kit having national tractability. Qualification Certificates can also be provided.



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