

DISSOLUTION TEST APPARATUS

MODEL: VDA-8D (ARM)



- 8 Nos. Easy to attach and detach 'Press Fit' wobble free Stirrer shafts.
- 8 Nos. simple attachable or detachable Paddles assembly (USP II).
- 8 Nos. Baskets with simple attachable or detachable assembly (USPI).
- Water Circulating Pump to maintain constant temperature of water-bath.
- Wobble and vibration free instrument.
- A motorized tray mounted with temperature sensor for measuring individual vessel temperature and cannula for collecting sample manually.
- Tablet dropping system to insert 6 tablets simultaneously.

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Tablets or capsules taken orally remain one of the most effective means of treatment available even today. Tablet Dissolution is a standardized method for measuring the rate of drug release from a dosage form.



This, Eight station dissolution instrument is designed to conduct dissolution tests, as per IP/BP/USP Standards. The apparatus is equipped with very reliable maintenance free stepper motor drive for stirrers. The speed of the stepper motor is controlled and maintained by advanced microcontroller based system.

Technical Specifications:

- Equipped with 8 Nos. Clear Dissolution Glass Vessels, and Moulded Water Bath with non-corrosive Tank plate.
- An external Probe to indicate vessel temperature.
- Bank of 12 operators.
- 149 Test Methods with 24 different time intervals for sampling.
- Large Graphic LCD (240 X 64) to indicate set parameters like: RPM, Vessel Temperature, time interval, test time, etc.
- Hardware and Software protection for heater.
- Precise individual vessel centering system.
- Nonvolatile memory.
- Serial printer port for connecting dot matrix printer.
- On line / off line print facility.
- User friendly 4 X 4 matrix key board and QWERTY key board incorporated.

- Power failure indication program is incorporated.
- Wake-up mode to turn on the heater on predetermined time intervals.
- Syringes supplied to collect sample manually
- Lids provided for minimal evaporation.

Specifications:

- Temperature Range: 2°C above room temperature to 40°C. with accuracy $\pm 0.2^\circ\text{C}$.
- RPM: 25 TO 200 with accuracy ± 1 RPM
- Vessel capacity : 1 liter
- Timer range 5 Minute to 23:59 Hrs
- Moulded water Bath capacity 30 lts approx
- Power supply : 230 volts, 50 Hz
- Power consumption : 1.5 KW

Also available

**14 station dissolution Test Apparatus
Model VDA-14D**

**Auto sampler unit with syringe pump
Model VAS-S14**

DISSOLUTION TEST APPARATUS

AUTO-SAMPLER UNIT WITH SYRINGE PUMP, MODEL: VAS-S8



A multi-syringe dosing pump is designed specifically for parallel sample withdrawal and dosage of media from a dissolution bath into open vials inside a fraction collector. It operates with multiple valve system. It is equipped with replaceable high precision glass syringes. The syringe dosing pump is available as additional part of the offline dissolution system.

Features:

- Micro controller based Auto sampler with syringe pump for 8 stations dissolution system.
- User friendly programming.
- Large Graphic display (240 x 64).
- User friendly 4 X 4 matrix key board
- Auto sampling unit operates each time after receiving signals from main dissolution system.
- High precision glass syringe (10ml) with motorized valve capable of handling various types of samples.
- Performs all type of operations like Rinsing, Sampling and replenishment.
- Validation facility for volume
- Accurate positioning of dispensing arm with respect to the vial tray for zero spillage.
- Fraction Collector Unit is completely enclosed to prevent contamination.

Specifications:

- Number of syringes : 6
- Number of sample vials : 60 (6 x 10)
- Power supply : 230 volts, 50 Hz
- Power consumption : 2.5 KW

DISSOLUTION TEST APPARATUS

MODEL: **VDA-8D**



Technical Specifications:

- Complies with USP/IP/BP standards.
- 8 station dissolution system with graphic display to indicate RPM, Time interval, Test time etc
- 8 Nos. Easy to attach and detach 'Press Fit' wobble free Stirrer shafts.
- Water Circulating Pump to maintain constant temperature of water-bath.
- Equipped with 8 Nos. Clear Dissolution Glass Vessels.
- Moulded Water Bath with non-corrosive Tank plate.
- Adjustable cannula's height to withdraw samples
- User friendly 4 X 4 matrix key board and QWERTY key board incorporated.
- 149 Test Methods with 24 different time intervals for sampling.
- Hardware and Software protection for heater.
- Serial communication port for print facility.
- Power failure indication program is incorporated.
- RPM: 25 TO 200.
- Temperature Range: 2°C above room temperature to 40°C. with accuracy $\pm 0.2^\circ\text{C}$.

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