



TABLET DISSOLUTION TEST APPARATUS

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.

MICROCONTROLLER BASED DISSOLUTION TEST APPARATUS, MODEL: VDA-8D

The rate of release of medicament in the tablets or capsules, under specified conditions, can be determined by Dissolution Test. This Advanced, Eight Tests Microprocessor based 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 microprocessor based system.

The unit is provided with socket to accept universal centronics parallel interface. The set of Validation Certificates, describing apparatus, parameters and dimensions are provided. The necessary qualification protocols IQ, OQ are given with the apparatus.



Technical Details

- 8 Nos. Easy to attach and detach 'Press Fit' wobble free Stirrer shafts.

Registered Office: Survey No. 81, Plot No. 16-17, Junagadh Road, Near Lion's School, Jetpur - 360370, Gujarat, India.

Branch Office: 401, Vithal Bhavan, 1st Floor, Chira Bazaar J.S.S. Road, Mumbai – 400 002, India.

Tel: +91 022 66370811, +91 022 66370812 **Email:** info@alakhealthcare.com **Website:** www.alakhealthcare.com



- 8 Nos. simple attachable or detachable Paddles assembly (USP II).
- 8 Nos. Baskets with simple attachable or detachable assembly (USPI).
- 1 No. Water Circulating Pump to maintain the constant temperature in water-bath.
- 8 Nos. Unbreakable clear MOULDED Dissolution Vessels or Glass Vessels. (Provided as per user requirement).
- 1 No. Molded Water Bath with non-corrosive Tank plate.
- 1 No. External Probe.
- Bank of 8 operator names with individual password protection.
- 149 Test Methods with 24 different time intervals for sampling.
- Large Graphic LCD (240 X 64) to indicate set parameters: RPM, Vessel Temperature, time interval, test time, etc.
- Wobble and vibration free instrument.
- Protection for over temperature for Heater through software and hardware.
- Precise individual vessel centering system.
- Password protection at different levels.
- Facility to review set parameters.
- Nonvolatile memory.
- Parallel printer port for connecting dot matrix printer.
- On line / off line print facility.
- Date and product selection in off line printing.
- Facility to enter company's name on the test report.
- Memory to store 48 test records.
- Both, user friendly key board and PS-2 key board incorporated for easy data entry.
- Power failure indication program is incorporated.
- RPM: 25 TO 200.
- Temperature Range: 30 .0°C – 40. 0°C with accuracy $\pm 0.2^\circ\text{C}$.
- Auto Calibration of Temperature.
- Wake-up mode to turn on the heater on predetermined time intervals.

IQ, OQ documents will be provided free with the instrument.

ADVANCED MICROCONTROLLER BASED DISSOLUTION TEST APPARATUS, (LATEST) MODEL: VDA-8D (ARM)

Technical specifications same as Model: VDA – 8D, with Add-on Features and Accessories.

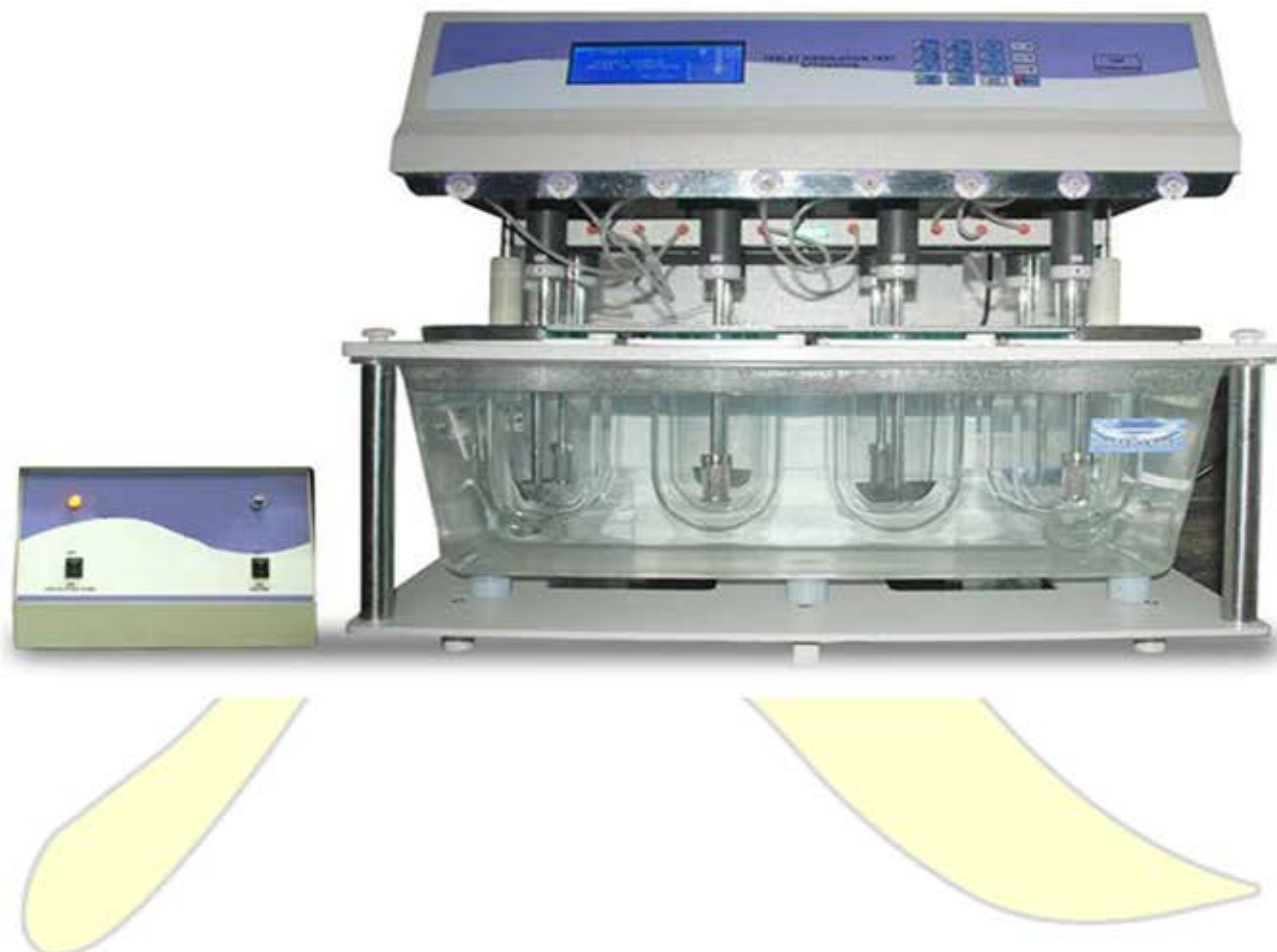
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For the list of Add-on-Features & Accessories, please refer the table below.



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TABLET DISSOLUTION TEST APPARATUS, MODEL: VDA-8D(ARM)	
No.	ATTACHMENTS WITH ABOVE MODEL
A	MOTORISED SENSOR TRAY: <ul style="list-style-type: none">Indicates temperature from individual vessels (8 nos.)Printer port is provided to print temperature of all 8 vessels. <p><i>(Tray with sensors moves down as per the set time and sensor dips into individual vessel and measures the temperature, indicated on the display and comes out of vessel).</i></p>
B	SAMPLING PROBE: MOTORISED SENSOR TRAY <ul style="list-style-type: none">It's attached with sampling probe (6 NOS). <p><i>(Tray carrying the sampling probes moves down as per the set time and user define volume (500 ml or 900 ml), dips into the individual vessel at specified height. User can then withdraw required volume of sample manually with help of syringe. Tray will move back up out of vessel, hence forth causing minimum disturbance in conduction of test).</i></p>
B.1	Syringes (6 Nos.) <ul style="list-style-type: none">With required length tubing and locking system for the above attachment.Will be provided at no extra cost with the above attachment
C	TABLET DROPPING SYSTEM: <p>To insert 6 tablets simultaneously provided with S.S. plate with low evaporation lids.</p>
D	IQ OQ DOCUMENTS