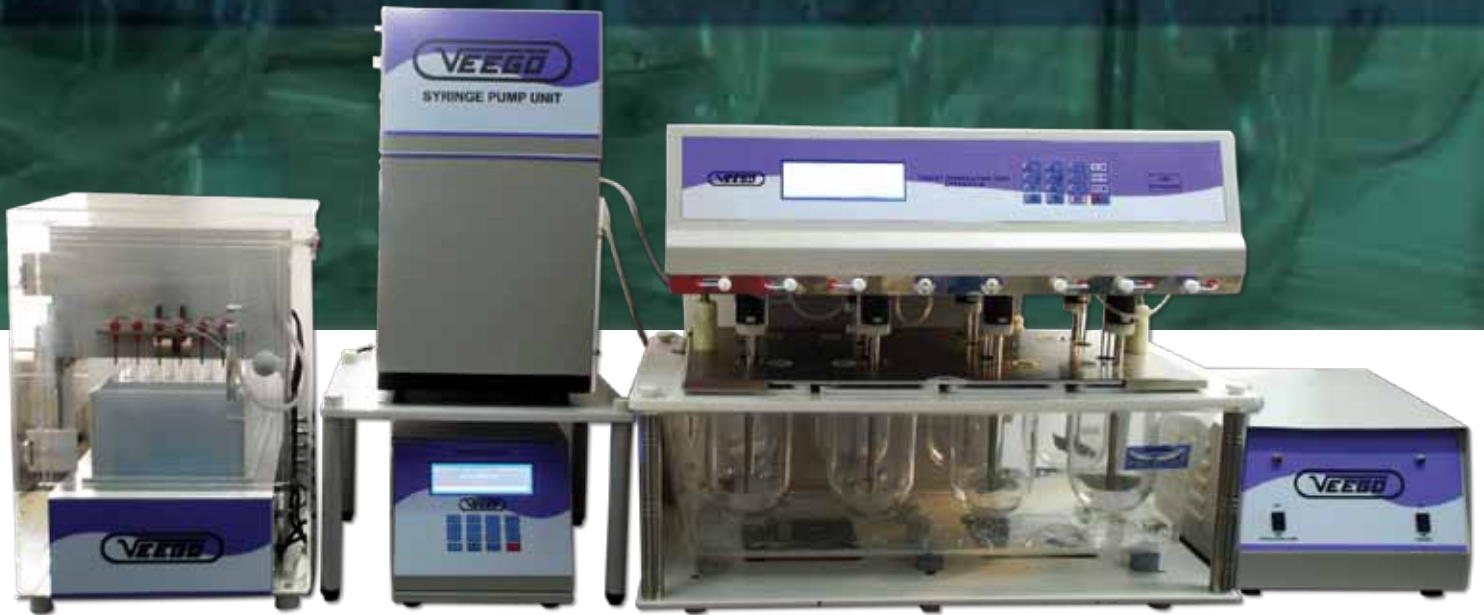


TABLET DISSOLUTION TEST APPARATUS

8 station with AUTO SAMPLER



MICRO CONTROLLER based Auto Sampler Unit with Syringe Pump.

Two modes of operation: Synchronous & Asynchronous.

High precision GLASS SYRINGE (10ml) with motorized valve capable of handling any type of samples.

Performs all type of operations.

Glass syringe available for both 6 Station & 12 Station Units.



TABLET DISSOLUTION TEST APPARATUS 8 station with AUTO SAMPLER



Salient Features:

- 149 Test Methods with 18 different time intervals.
- Password protection at different levels.
- On line / off line print facility.
- Facility to enter company's name on the test report.
- Memory to store 48 test records.
- Power failure indication program is incorporated.
- Individual vessel temperature sensor.
- Wake-up mode to turn on the heater on predetermined time intervals.
- Unbreakable clear MOULDED Dissolution Vessels
- Provided with 'Tablets Dropping Devices' for simultaneous dispensing of tablets.
- Instrument can be provided with validation kit.

TECHNICAL SPECIFICATIONS (For Dissolution Test Apparatus)

- Number of Stations: 8
- Speed Range: 25 – 200 RPM
- Temperature Accuracy: ± 0.1 °C
- Sample Interval: 1 min to 24 hours
- Stirrer Drive: High performance Step per Motor (Maintenance-free for long life)
- Water Bath: One piece moulded clear bath.
- Temperature controller:
 - Heater : 1.5 kW, SS 316 with thermal protection
 - Sensor : RTD, Circulation : Magnetically coupled pump
- Documents: DQ/IQ/OQ Documents

Supplied With the Instrument.

- Dissolution apparatus Type 1 and Type 2.

TECHNICAL SPECIFICATIONS (For Auto Sampler)

- Sampling: Auto Sampler with Syringe Pump or Peristaltic pump.
- Number of Syringes:
- Peristaltic Pump: (12 Channels: 6 – Sampling, 6 – Replenishment)
- No. of Syringes: 6
- Interface Port: Printer port for DOT Matrix 80 column printer.

SYRINGE PUMP



SALIENT FEATURES:

- MICRO CONTROLLER based Auto Sampler Unit with Syringe Pump.
- User friendly programming with graphic display and local key board.
- Two modes of operation: Synchronous & Asynchronous.
- Synchronous Mode: Auto Sampler unit waits for the input/start signal from main Dissolution system.
- Asynchronous Mode: Standalone sampler unit can be operated independently/manually by the user.
- High precision GLASS SYRINGE (10ml) with motorized valve capable of handling any type of samples.
- Glass syringe available for both 6 Station & 12 Station Units.
- Performs all type of operations, like:
 - Rinsing (user settable volumes 1 to 3 ml volume)
 - Sampling (user settable volumes 1 to 25 ml).
 - Replenishment. Simple calibration / validation procedure.
 - Clean cycle after every test.
 - Volume accuracy ± 0.5 ml
 - Sampler unit equipped with 6 x 10 sampling tray for 8 STATION unit or 12 x 10 sampling tray for 14 STATION unit.
 - Accurate positioning of dispensing arm with respect to the vial tray for zero spillage.
 - Fraction Collector Unit is completely enclosed to prevent contamination.

Features of Auto Sampler with Peristaltic Pump



- Microprocessor Based Auto-Sampler is supplied with two modes of operation.
 - Synchronous mode: System waits for the Input signal from the system Tablet Dissolution Test Apparatus, Model:VDA-8D (ARM).
 - Asynchronous mode: Sampler will perform or operate independently, as desired by the user. It has also provision to set the different time intervals between the two sampling intervals.
- 12 Channel Peristaltic Pump for sampling and replenishing the volume.
- Performs all type of operations, like:
 - Rinsing
 - Sampling
 - Replenishment
- Calibration mode for sample volume.
- Supplied with Fraction Collector of 6 X 10 vial positions with drain facility before collecting actual sample aliquots.

14 Station Dissolution Test Apparatus

- 14 Nos. Stirrer Shafts to be inserted from the top of the instrument
- 14 Nos. simple attachable or detachable Paddles Assembly (USP II)
- 14 Nos. Baskets with simple attachable or detachable Assembly(USPI)
- 1 No. Water Circulating Pump to maintain the constant Temperature in water-bath.
- 14 Nos. Unbreakable clear MOULDED Dissolution Vessels or Glass Vessels (Please specify)
- 1 No. Water Bath with non-corrosive Tank pate
- With Large LCD Display(240 X 128).
- Bank of 12 operator names with individual password protection
- Indicates the individual vessel temperature.
- 149 Test Methods with 18 different time intervals.
- Large graphic LCD to indicate set parameters: RPM, VESSEL TEMPERATURE, TIME INTERVAL, TEST TIME, etc.
- Wobble FREE TEST SHAFTS and vibration free instrument.
- Protection for over temperature for Heater through software as well as hardware.

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