

Disintegration Tester

Caleva DIST Series



The Caleva Disintegration Tester, available with 1, 2, 3 or 4 simultaneously driven USP/EP basket rack assemblies is an economic and user-friendly tool for quality control and development of tablets.

The test duration is entered via the numeric keypad. When pressing the “start” key, the raised basket rack assembly/ies lower into the media automatically and the test starts. On completion of the pre-set test time, the basket rack assembly/ies will raise out of the media automatically and an acoustic alarm will sound.

The warming solution inside the one-piece moulded PET water bath is heated by a powerful integrated flow through heating system with overheat protection. The nominal temperature is set via the numeric keys and the programme menu, the actual temperature of the media or warming solution is shown by an immersion thermometer.

For cleaning purposes the top of the water bath can be removed and the warming solution removed through a valve in the water bath. The USP/EP compliant basket rack assembly with 6 test stations comes in an “easy clean” version with quick release and secure spring loaded arm connectors (recommended option) which means that it can be disassembled and assembled without the use of any tool for cleaning tablet leftovers and gelatine. Hanging style basket rack assemblies are supplied as standard.

As an option, a basket cleaning and media pre-heat station is available for the 1 and 3 station version.

The unit can be fitted with a serial RS 232 interface (option) to download test-run parameters, such as time, to an external PC (LIMS-system).

The EP Apparatus B basket for tablets up to 30mm is also available as an option.

Technical Specification

STANDARD:

- 1 to 4 USP/EP compliant basket rack assemblies with 6 test stations each.
- Simultaneous running of all basket rack assemblies.
- 30 ± 1 strokes/min, stroke height 55 ± 2 mm.
- Automatic lift-in and lift-out on completion of the test.
- Operation by programme menu (numeric membrane keypad and illuminated 4-line LC display).
- Acoustic alarm appears on completion of the test.
- Integrated 2,000 watt flow through heating system.
- Temperature accuracy of the warming solution $\pm 0.2^{\circ}\text{C}$.
- Nominal temperature set by the numeric keys.
- One-piece moulded PET water bath with removable top and emptying valve at the bottom.
- Immersion thermometer to show the temperature of the media or the warming solution.

OPTIONS:

- Immersion thermometer in certified version.
- Quick release basket rack assembly.
- Basket cleaning and media pre-heat station (1 and 3 station disintegration testers only).
- Serial RS 232 interface to transfer test parameters, such as time, to an external PC (ask for details).
- IQ/OQ/PQ Handbook.
- Validation test tools and tool kits.
- Validation tablets.
- Water stabiliser.
- Spare part kit.
- Special version for detergents $70 \pm$ strokes/min.
- EP Apparatus B basket for tablets up to 30mm.