

Disintegration Tester ZT 220 Series



The ERWEKA ZT 220 series is available with 1, 2, 3 or 4 test stations, driven by one synchronic motor. Each test station is operated in a separate glass vessel, which are placed in the PET moulded bath with cover to minimize evaporation.

The unit comes with an integrated high-quality flow-through heating system.

The run-time counter starts automatically as soon as the basket rack assembly is lowered into the test media. Lift-in and lift-out of the baskets is performed manually while the elapsed time of testing is automatically started/stopped.

Features ZT 220

- Easy and comfortable control by big and bright LED display clearly visual from a distance
- Easy cleaning guarantee by the fast removal of the one-piece moulded PET water bath
- Continuous heating of the water bath by flow-through heater
- 100% USP/EP/JP compliant
- Acoustic signal selectable

Options

- + Basket rack assembly type A (6 test tubes) or type B (3 test tubes) 100% USP compliant
- + External electronic temperature sensor
- + Media pre-heat and disintegration rack storage container located in the water bath (ZT 221 and 223 only)
- + Quick-Clean-Basket (100% USP/EP/JP compliant) for fast cleaning of the test stations.
- + Water stabiliser with colour indicator
- + Immersion thermometer certified
- + USB-A printer interface for documentation print out
- + Qualification documents IQ/OQ/PV
- + ERWEKA IQ/OQ/PV service at customer site
- + Maintenance service

Technical Data

1 to 4 test racks

30 ±1 strokes/min.

55 ±2 mm stroke height

Function keys and 2x LED display for entering nominal bath temperature and required run-time

Starts/stops to counting run-time automatically when basket rack is lowered

Integrated flow-through heating system (accuracy ± 0.2° C)

Temperature range 30 - 50° C

Run time up to 99 h, 59 min, 59 s ±1 s

Manual lift-in and -out of the baskets



Disintegration Tester ZT 320 Series



The ZT 320 series comes with 1, 2, 3 or 4 individually operated test stations controlled by a dedicated keypad per station for easy setting of the required run-time parameters as well as start/stop operation.

In standard configuration each test station offers manual lift-in and -out of the basket rack assembly on start and completion of the pre-set run time. An alarm reminder can be selected.

The ZT 320 can be upgraded to the ZTm 320 for automated measurement of the disintegration time. The ZTm 320 comprises of an automated lift in- and -out function and the automated mBasket (type A or B).

Features ZT 320

- Individual start and stop function for each test station without influencing the test run of the other test-stations
- Continuous heating of the water bath by a flow-through heater
- External temperature sensor
- Easy cleaning guaranteed by the fast removal of the one-piece moulded PET water bath
- Tool free assembly and disassembly
- One-point calibration for internal heater
- 100% USP/EP/JP compliant
- Acoustic signal selectable

Options

- + Automated lift-in and -out of the basket rack assembly/ies on start / completion of the pre-set run-time of each test station
- + Basket rack assembly type A (6 test tubes) or type B (3 test tubes) 100% USP compliant
- + mBasket for automated measuring, type A (6 test tubes) or type B (3 test tubes) 100% USP compliant
- + Media pre-heat and disintegration rack storage container located in the water-bath (ZT 321 and 323 only)
- + Quick-Clean-Basket (100% USP/EP/JP compliant) for fast cleaning of the test stations
- + USB-A printer interface for documentation print out
- + Water stabiliser with colour indicator
- + Qualification documents IQ/OQ/PV
- + ERWEKA IQ/OQ/PV service at customer site
- + Maintenance service

Technical Data

1 to 4 test racks (ZT 321 to 324)

30 ±1 strokes/min.

55 ±2 mm stroke height

LED display/s to show remaining run-time and actual bath temperature.

Integrated flow-through heating system (accuracy ± 0.2° C)

Temperature range 30 - 50° C

Run time up to 99 h, 59 min, 59 s ±1s

Manual lift- in and -out of the basket

RS 232 interface



The optional mBasket for automated testing uses a magnetic guided disc and sensors under the USP/EP compliant sieves.