

# Dissolution UV/VIS On-/Offline System

## On-/Offline System with DT 72x-Series



A high degree of automation and flexibility is offered by the half-automated on-/offline dissolution system. It is controlled via the fully validated ERWEKA Disso.net software and offers automated dissolution testing, integrated UV-Vis analysis and sample collection into HPLC vials or glass tubes for reference samples or later HPLC analysis.

Dissolution Tester	Automatic Sampling Station	Peristaltic Pump	UV/VIS Spectrophotometer	Sample Collector	PC + Disso.NET Software
DT 726 (DT 727 / 728 possible)	ASS-8	IPC 8	ERWEKA SPM (Perkin Elmer Lambda 2s OEM) or Shimadzu 1800 or Agilent 8454	FRL 624	✓

## On-/Offline System with DT 1412



The DT 1412 with 12 test stations can also be configured as an UV/VIS On-/Offline system. This configuration has an ASS-14 autosampling station on top of the tester and an IPC-16 pump which connects to an ERWEKA SPM 16 or an Analytic Jena Specord 210/16 with two cuvette changers and FRL 624-2 sample collector, all managed via PC and ERWEKA Disso.net software.

Dissolution Tester	Automatic Sampling Station	Peristaltic Pump	UV/VIS Spectrophotometer	Sample Collector	PC + Disso.NET Software
DT 1412	ASS-14	IPC 16	ERWEKA SPM 16 (special cuvettes needed) or Analytic Jena Specord 210/16 + 2 x cuvette changer	FRL 624-2	✓

# Technical Specifications

## Sample Collector FRL 624 / 724 / 824

Auto sample collector with 6 to 8 channels for sampling up to 26 intervals; 1 driven dosing arm with 8 stainless steel (optional Titanium) dosing needles, RS 232 interface for external control by Disso.net PC software.

## Sampling tubes and HPLC vials

26x 8 glass tubes of 12 ml capacity  
18x 8 glass tubes of 25 ml capacity  
26x 8 HPLC vials of 1.5 ml capacity  
26x 8 HPLC vials of 4.0 ml capacity  
Handling of septa-sealed HPLC vials

## System Control with Disso.NET

The Disso.Net Software offers support of all methods manageable with the ERWEKA DT dissolution testers. The Software helps you with standard dissolution jobs, handles qualifying tasks and provides control over each single function and connected device.

- MS SQL database with local or network installation
- Multiple System Suitability Tests for highest reliability.
- Full audit trail according to 21 CFR Part 11 including date, time stamp, user ID
- Integrated workflow for approval and review of reports before publishing
- pH-change support according USP-Method A and B
- Easy XML, PDF, Excel ex-/import for LIMS communication
- Seminal check of the photometer according EP
- Daily check of the photometer

## Spectrophotometer Options for ERWEKA UV/VIS Systems + Analytic Jena einfügen



	ERWEKA SPM	Shimadzu UV-1800	Agilent 8454
Range	190-1100 nm	190-1100 nm	190-1100 nm
Bandwidth	1 nm	1 nm	1 nm
Type	Dual beam scanning	Dual beam scanning	DAD
Connection	RS 232	USB	LAN
Special	-	Stand-alone operation possible	Typical scantime for full spectra: 1.5 s
Height x Width x Depth	260 x 650 x 560 mm	270 x 450 x 490 mm	185 x 344 x 560 mm
Weight	approx. 26 kg	15 kg	16,5 kg