



RIGGTEK
Dissolution Test Systems



RIGGTEK Brochure

Product Portfolio 2021



RIGGTEK GmbH

Dissolution Test Systems

Since 1996 RIGGTEK is offering a wide product range for the Dissolution Test. All our instruments are designed and manufactured in Germany and are offering best quality.

RIGGTEK combines innovative instruments like the famous „DissoPrep“ Media Delivery Station with best support.



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Customer references



Some of our customer references worldwide

Dissilio TX8 / TX16

Dissolution Testers



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The RIGGTEK „Dissilio“ Dissolution Tester is designed with the principle "SIMPLY SMART - to make your everyday work easier". It´s innovative, flexible and smart details are combined with a reliable and easy to use technology. Highest standards of performance and reliability are ensured as well as USP/EP/JP/FDA-compliance, available with 6 to 16 positions and all accessories like USP Apparatus 1,2,5, rotating cylinders, immersion cell, small volume kits or intrinsic kit. This ensures great flexibility and efficiency in your lab.

- **6-16 POSITIONS**

The Dissilio is available from 6 to 16 positions, flexible according your needs

- **INTUITIVE OPERATION VIA TOUCHSCREEN OR BROWSER INTERFACE**

The intuitive touchscreen allows easy operation - also with gloves. For real time monitoring and even more easy operation, the touchscreen is "mirrored" to your (Web-) Browser of your PC.

- **OPTIONAL PACKAGES**

The optional CFR-, BACKUP-, TOP- or ENERGY-Package allows you to add flexible features like electronic signature, automatic backups, qualification due alerts or timer controlled heating - simply according your needs.

- **VESSELS FROM DIFFERENT BRANDS**

Compatible to use vessels from different brands like Erweka, Distek, Agilent, Sotax, etc. to eliminate the last big allowed tolerances - the vessel dimensions. And as consequence to avoid laborious cross validations.

- **MANY ACCESSORIES**

Various accessories are available for the Dissilio like USP Apparatus 1,2,5, rotating cylinders, intrinsic kit, immersion cell, auto-tablet drop-kit, amber vessels and covers or Teflon coating.

- **SMART FEATURES**

Smart features make your everyday work easier, like the integrated storage compartments, the easy vessel centering or the Browser Interface for remote control.

DissoPrep X8

Dissolution Media Preparation and Delivery Station



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The RIGGTEK „DissoPrep X8“ Media Preparation and Delivery Station is the result of 20 years of experience with the gravimetric working principle. It ensures very precise dosing with extremely high degassing efficiency and best reproducibility. The system offers great flexibility, optional mobile use, easy operation, high network connectivity and easy operation with the innovative „Browser-Interface“, which also allows 21CFR compliant usage.

- **PREPARATION ACCORDING USP METHOD / USP COMPLIANT**

The DissoPrep is filtering, warming, mixing, degassing and dispensing media directly into the vessels according to the recommended process of the USP.

- **GRAVIMETRIC MIXING AND DOSING**

The gravimetric working principle ensures a very high mixing and dispensing accuracy directly into the vessels, even better than the recommended 1% by the USP – even if foaming media is used.

- **REPRODUCIBLE RESULTS**

The working principle of the DissoPrep ensures, that each method performed produces the same results regarding dispensed volume and degassing every time. Results can not be manipulated by users.

- **HIGH DEGASSING EFFICIENCY**

Because the DissoPrep is using no fluidic pump, but withdraws and dispenses media by vacuum or pressure, the degassing under vacuum starts during withdrawing the media. Additionally the combination of heating and high vacuum ensures reproducible degassing with better than 5ppm of residual oxygen.

- **TIMESAVING**

While you are preparing your dissolution test, the DPX is creating one batch of media (8 or 15 liter). The filling of each vessel can be done one after the other within a few seconds only.

- **COMPLETE DOCUMENTATION / CFR COMPLIANCE**

The DissoPrep delivers a complete documentation. With the standard Browser-Interface – controlled with every Web-Browser – a CFR-compliance can be ensured incl. electronic signature.

easyDISS TX6 / TX8

Dissolution Tester



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The RIGGTEK „easyDISS“ Dissolution Tester is a basic dissolution tester with reliable, easy to use technology. The high quality production ensures the highest standards of performance and reliability. It is USP-compliant, available with 8 positions and all accessories like USP Apparatus 1,2,5, rotating cylinders, immersion cell, small volume kits or intrinsic kit. This ensures great flexibility and efficiency in your lab.

- **8 POSITIONS**
The easyDISS has 8 positions as standard
- **MANY ACCESSORIES**
Various accessories are available for the easyDISS like USP Apparatus 1,2,5, rotating cylinders, intrinsic kit, immersion cell, auto-tablet drop-kit, amber vessels and covers or Teflon coating.
- **EASY VESSEL CENTERING**
An easy changeable vessel-ring ensures a strong and reproducible vessel fixing in each position.
- **QUICK CHANGE OF PADDLES AND BASKETS**
Due to screw fittings baskets, paddles, rotating cylinders can be switched within seconds.
- **LASER NUMBERING AND CERTIFICATION**
All parts like shafts, vessels, paddles, baskets, etc. are serialized by laser-numbering and delivered with certificates of conformance. Certificates of Analysis are available on demand. This ensures easy performance of the EMC (Enhanced Mechanical Calibration Qualification Test).
- **DOCUMENTATION AND CONNECTION**
Reports can be printed and easily administrated via the Browser Interface with a connection to the Autosampler Sampilio X8. The Sampilio is also able to control the easyDISS to perform a simultaneous start of your Dissolution Test. Moreover the whole method can be reported into one common report.

Sampilio X8

Dissolution Autosampler



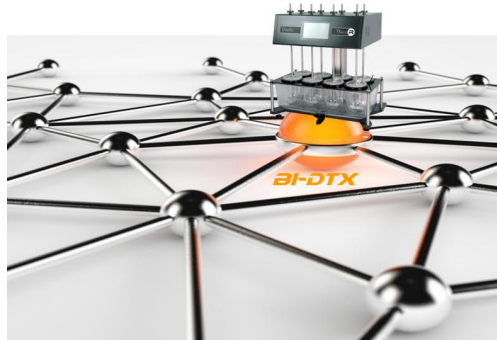
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The RIGGTEK „Sampilio X8“ Dissolution Autosampler is the result of listening to the needs of our customers. It works with patented small volume diaphragm pumps, which ensure high precision, low cross-contamination and short sampling intervals. The system offers a small footprint in your laboratory, high network connectivity and easy operation with the innovative „Browser-Interface“, which also allows 21CFR compliant usage.

- **COMPAREABLE TO MANUAL SAMPLING**
The patented pumps ensure a „first-in-first-out“ working principle. In combination with the low internal dead volume the sampling is absolutely comparable to a manual sampling with a syringe.
- **LOWEST CROSS CONTAMINATION**
Low internal dead volume, inert parts and less internal „bottle necks“ like connections ensure the lowest possible cross contamination for reproducible and accurate results.
- **SHORT SAMPLING INTERVALS**
Short sampling times ensure more precise results and a better quality control of the dissolution process. The Sampilio X8 achieves sampling intervals down to 2min, because of the low internal dead volume and efficient dispensing process.
- **EASY OPERATION**
The Sampilio X8 is ready to use within a few minutes due to the easy, step-by-step menu. The handling of the racks is done within seconds. For more detailed things, like administration of users, creation of reports, etc. the innovative Browser-Interface is used.
- **EASY CLEANING AND MAINTENANCE**
Cleaning of Autosamplers can be time consuming. The Sampilio X8 uses standard test tubes, which can easily be replaced after each test. The automated cleaning process and the minimum of internal connections with a low dead volume ensure very easy cleaning as well as low maintenance.
- **FLEXIBLE FOR FUTURE TASKS**
The individual bidirectional pumps for each line, the high performance CPU and all kinds of electronic connectors ensure flexibility for future tasks and demands.

Browser-Interface

part of the firmware – no software



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The RIGGTEK “Browser-Interface” is a standard feature of all our newly developed products. It is part of the firmware, there is no need for a software installation and/or software validation.

It connects your RIGGTEK-instrument easily via LAN to your PC or company network and allows easy administration of methods, reports, users, audit trail, security settings, etc. with your (Web-)Browser.

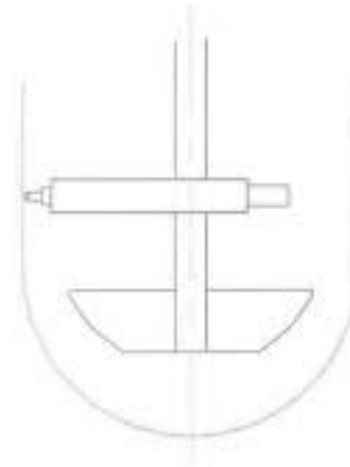
Optional, it is possible to work CFR-compliant incl. electronic signature or make backups via FTP or USB, etc.

Qualification Tools

for example the Axis Probe



The RIGGTEK „Axis Probe“ makes it easy to verify paddle or basket shaft centering accurately inside the vessel for all high-head Dissolution Testers.



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Qualification Tools

for example the Level Probe



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The RIGGTEK „Level Probe“ is a special gauge for accurately set the paddle or basket height in all high-head Dissolution Testers or for validating the height of each stirring element precisely in seconds.



Thank you for your attention!
Do you have any questions?

- Visit our webpage www.riggtek.com or
- give us a call **Tel.: +49 89 2302469-0** or
- email us to support@riggtek.com

We are available!
your RIGGTEK-Team

