



RIGGTEK
Dissolution Test Systems



Autosampler „Sampilio X8“

The result of your requests



Autosampler „Sampilio X8“

We heard the problems with autosampling



Do your customers have the following problems with their existing Autosamplers?

- The pumps are not reliable
- The samples taken with your autosampler are not comparable with the manual sampling
- The cross-contamination between samples is too big
- The possible intervals are not short enough for your desired sampling times
- The autosampler is not easily to connect to different types of dissolution baths
- The overall handling with the autosampler is complex, the operating is complicated
- The cleaning and maintenance of the autosampler is time-consuming

We have solved these problems with the Sampilio X8

Sampilio X8

features (1)



The Sampilio is an innovative Dissolution Autosampler with small patented diaphragm pumps - SIMPLY SMART



Sampilio X8

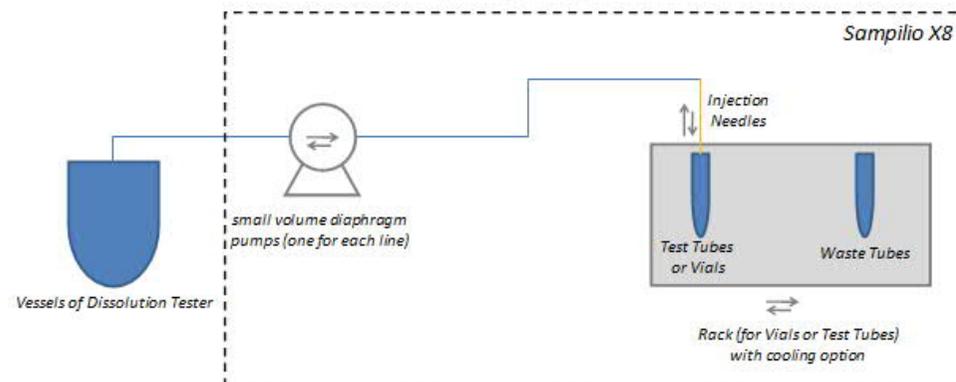
features and advantages (2)



Reliable with small diaphragm pumps

- The small volume bidirectional diaphragm pumps (unique feature) for each line allow a simple functional principle without the need of additional valves, fittings etc.
- and so guarantee less components which could be getting defect
- The diaphragm pumps do not produce wrapped-off parts such as syringe pumps do, so you will not find any particle of seals, etc. in your samples.

Functional Principle of the Sampilio X8
(illustration for one line)



Sampilio X8

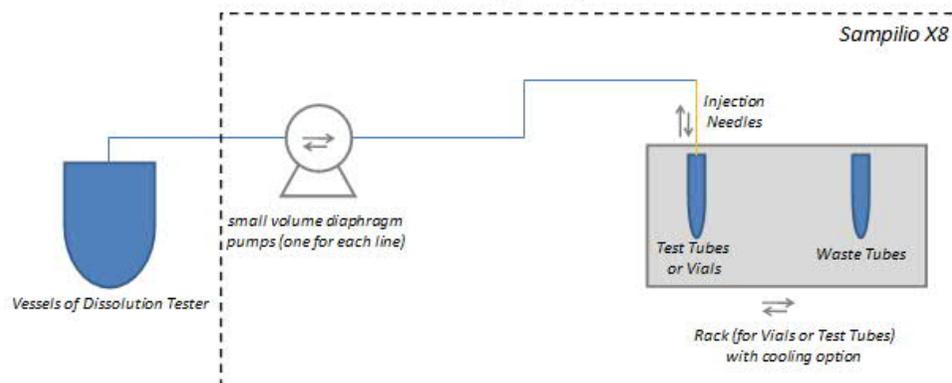
features and advantages (3)



Compareable results as manual sampling

- The small volume diaphragm pumps (unique feature) for each line allow with their lowest dead volume FIFO delivery principle
- together with the lowest tubing volume – because of the working principle – the sampling is compareable with the manual sampling with syringe
- The diaphragm pumps do not produce wrapped-off parts such as syringe pumps do, so you will not find any particle of seals, etc. in your samples.

Functional Principle of the Sampilio X8
(illustration for one line)



Sampilio X8

features and advantages (4)

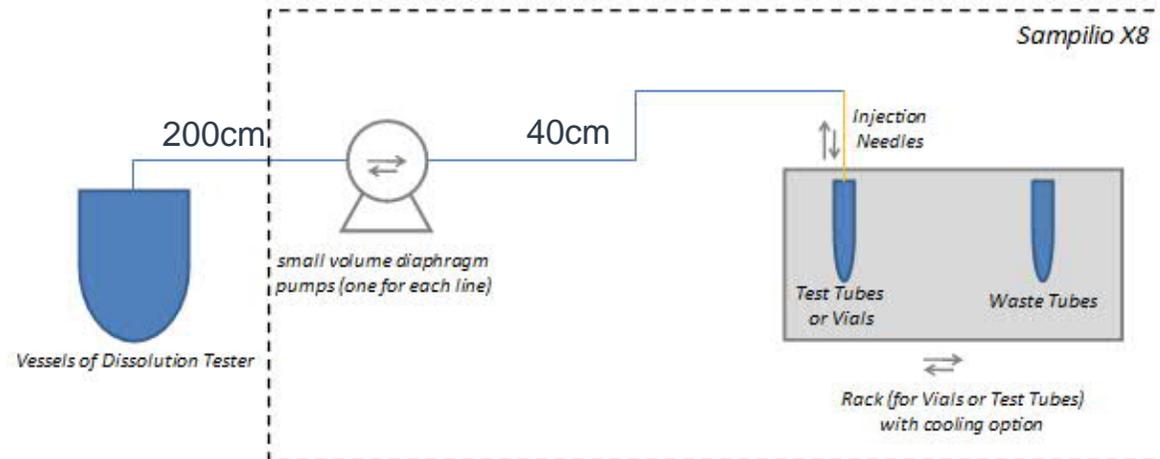


Lowest cross contamination

- The functional principle of the Sampilio X8 with small tubing length and small dead volume of the diaphragm pumps allow
- together with the test tubes in the first row of the racks lowest cross contamination. Additional a cleaning of an „waste bin“ is not necessary.

Functional Principle of the Sampilio X8

(illustration for one line)



Sampilio X8

features and advantages (5)

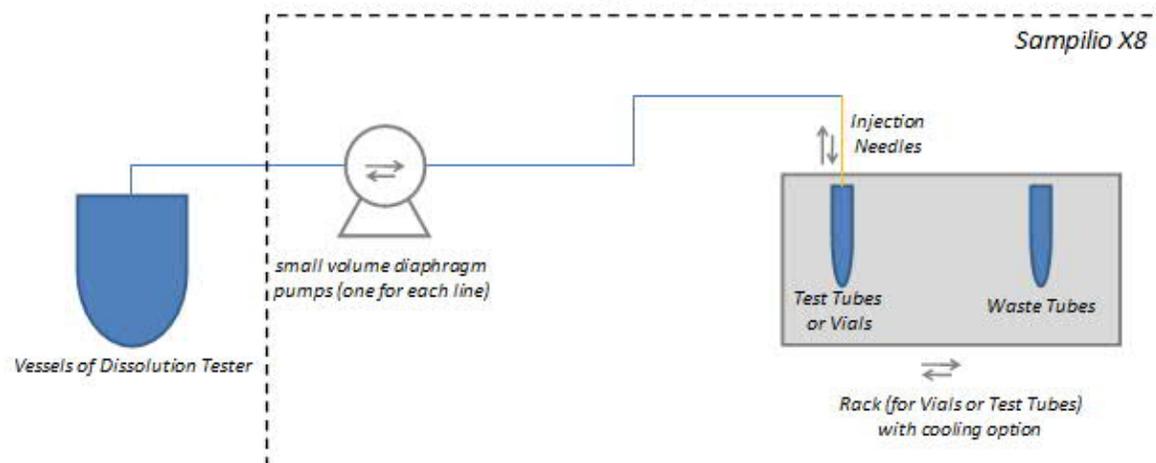


Extremely short interval times

- The functional principle of the Sampilio X8 with small tubing length, small dead volume of the pumps and so total small total dead volume allow fast flushing, sampling and recycling.
- This results in the possibility of extremely short interval times between the sampling steps (typ. < 2min).
- optional 12 samples can be taken into one rack (standard:10).

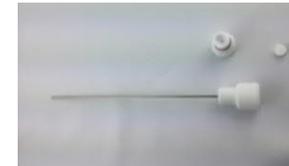
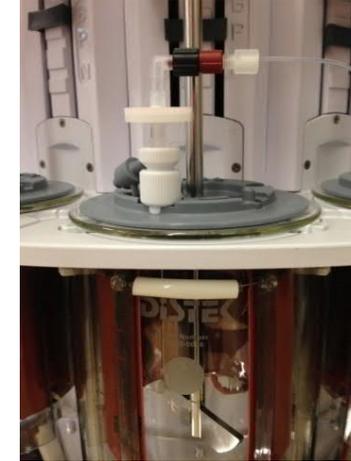
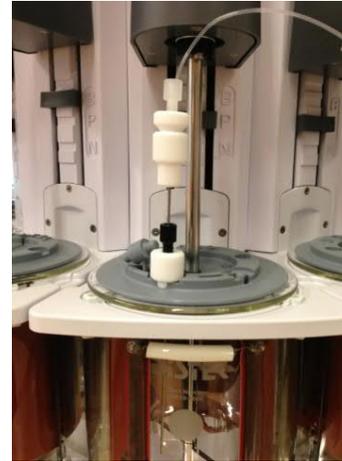
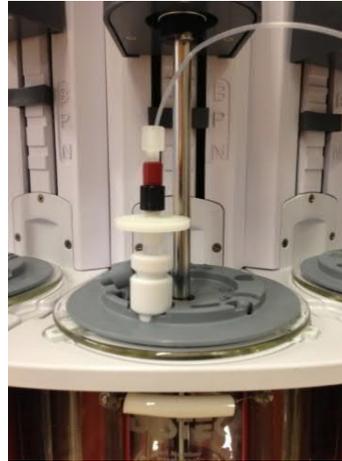
Functional Principle of the Sampilio X8

(illustration for one line)



Sampilio X8

features and advantages (6)



Easy connection to dissolution baths

- Easy connection: For each line there is a 3m long tubing coming out of the Sampilio X8. The UNF ¼" -28 screw head fittings used at the tubings end are a standard for easy connection to sample probes, syringe filters or luer adapters.
- There are different sample probes and stoppers available to fit all kinds of dissolution baths (DISTEK, Erweka, Sotax, etc.).

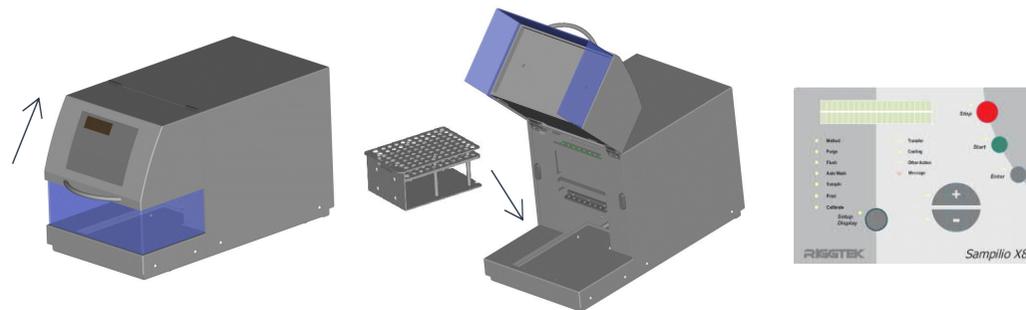
Sampilio X8

features and advantages (7)



Easy operation and handling

- Easy operation: Turn on the Sampilio X8. With only 5 keys and a easy menu structure you operate the Sampilio quickly and intuitively.
- Easy handling: With only 6 tubes (one for each vessel) there are no unnecessary tubings between pumps and collectors, etc. . Open the door of the Sampilio X8 and insert rack filled with HPLC-Vials or Test Tubes on the rack carriage and close the door again - the Sampilio is ready for your sampling method.



Sampilio X8

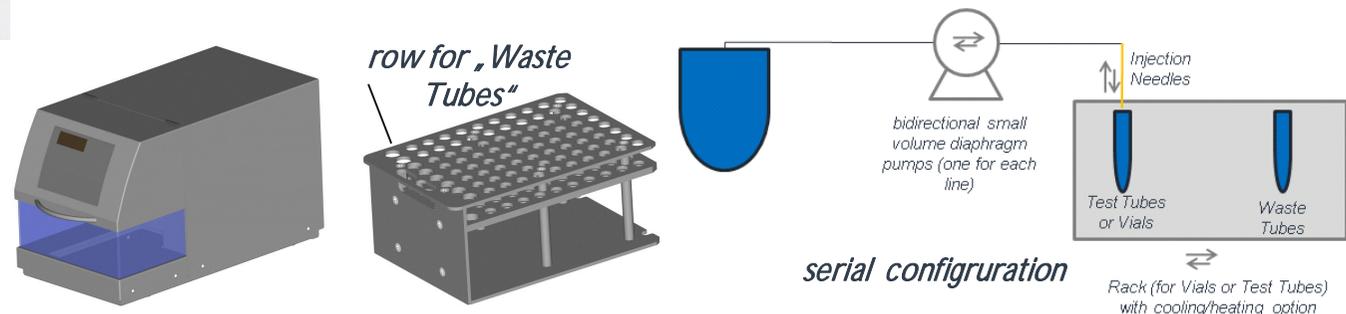
features and advantages (9)



Easy cleaning and maintenance



- The housing of the Sampilio X8 is completely closed and therefore easy to clean
- For the flush volume so called "Waste tubes" are used. These are commercially available "Test Tubes / sample tubes", that are placed in the first row of the rack and after a sample method they can be easily replaced / thrown away. A cleaning of any tank is not necessary.
- Since the tubings and diaphragm pumps are installed in series without any valves in between, they can be cleaned with an automatic cleaning program easily and efficiently.
- The mechanism is kept simple and robust and does not require expensive maintenance.



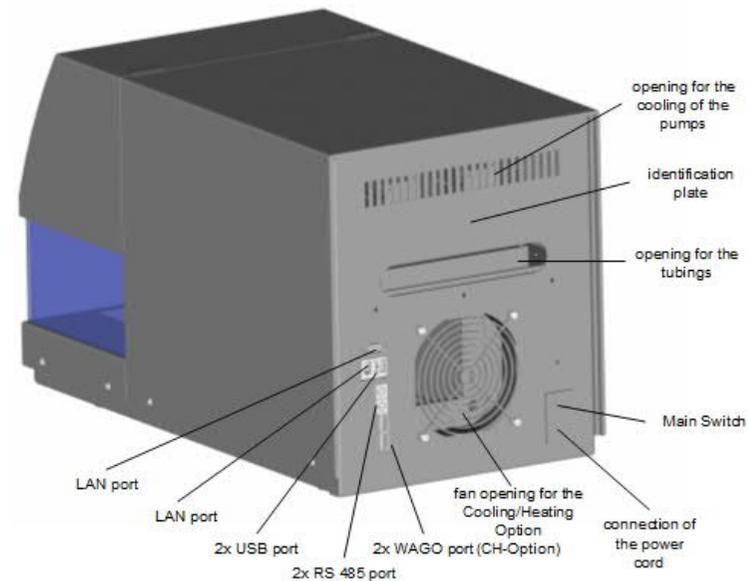
Sampilio X8

features and advantages (10)



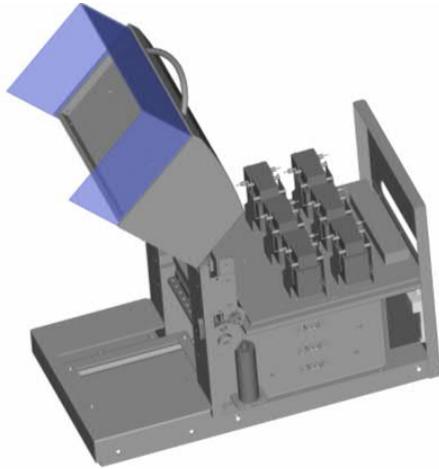
Flexible for the future - Connectivity (upon request), Transfer-Modul Option (Media Replacement)

- The Sampilio X8 has different interfaces to communicate with different dissolution testers
- Transfer-Module Option for Media Replacement



Sampilio X8

options / accessories (1)



Additional Lines

- as standard, the Sampilio X8 has 6 sample lines
- up to two additional lines can be added
- standard are tubings with ID 1,0mm, optional tubings with ID 1,2mm are available for the High-Flow options



Racks

- as standard the Sampilio X8 is delivered with one Test-Tube-Rack and one HPLC-Rack
- for a possible rack-change additional racks are available
- 12 rows (optional, standard: 10)
- instruments in the field can be upgraded or still have racks with 10 rows



Browser-Interface

BI-SX8

- as standard the Sampilio X8 is delivered with the Browser-Interface – no software installation / validation on any PC is necessary
- easy access with your (Internet-) Browser
- easy administration of methods, reports, users, etc.



Sample Probes

- different sample probes are available for a correct connection to a dissolution tester (e.g. Sotax, Distek)



Filters

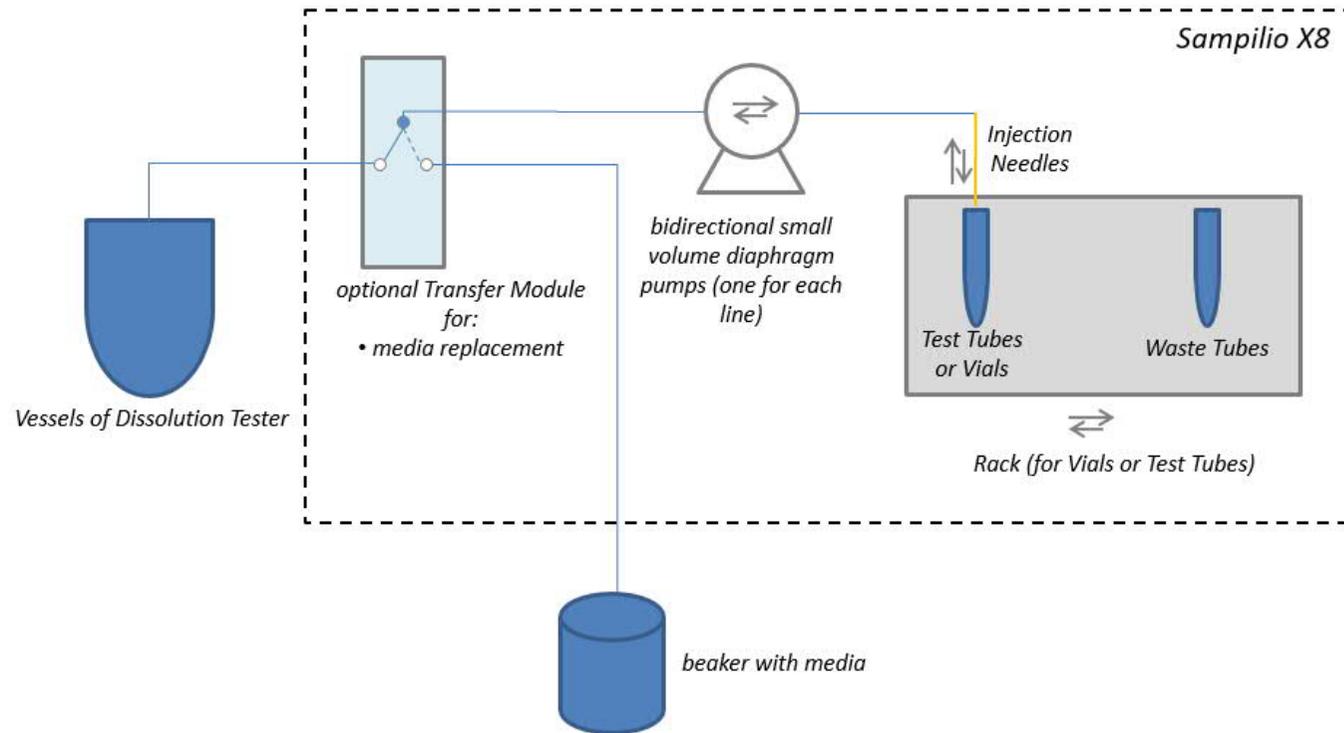
- different filters – disc, canuales, syringe -are available



Luer adapters

- different kinds of Luer adapters are available for optimal connection of the tubings

Functional Principle of the Sampilio X8 (illustration for one line)



Transfer-Module-Option

- the Transfer-Module allows replacement of media (option)

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main products – customers worldwide





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

