

Dissolution Media Preparation and Delivery Station

EFFICIENT · REPRODUCIBLE · SAFE



IMPORTANCE OF MEDIA PREPERATION

The correct and reproducible media preparation for dissolution is an important part of tablet testing in the pharmaceutical industry due to false absorbance readings caused by wrong or not repeatable media volumes and by bubbles of dissolved gases in the vessels. The reproducible media preparation and dosing into the vessels in combination with a good and compliant documentation is a time consuming process, if done manually. Automated heating, degassing, mixing and dosing can help a lot ensuring compliance with USP and FDA requirements, as well as cost-effectiveness.

RIGGTEK MEDIA PREPERATION „DissoPrep“

The DissoPrep media preparation unit is an automated, compact system for preparing and gravimetrically dispensing the preheated, mixed, degassed dissolution media required for accurate tablet dissolution testing. Operating principle is filtering, heating, and stirring under vacuum, recommended by the USP and FDA. It prepares fresh 8 litres of highly degassed dissolution media in less than 15 minutes. This fast preparation time, in combination with rapid dispensing increases the amount of dissolution tests per day, compared to manual preparation.

„DissoPrep“ SMART FEATURES

- Optional Full CFR-compliance** with individual user permissions, commenting of audit-trail and electronic signature etc.
- Gravimetric high precision** dispensing of +/-0.5% into any dissolution tester
- The „DissoPrep“ provides a **full report** detailing weights, mixing ratios, vacuum and temperature after each dispense cycle
- Optional **automatic periodic backup** to USB or FTP
- Optional connection to Dissolution Tester Dissilio for **automatic data consolidation** with the Dissolution Test report
- Easy, intuitive operation and real time monitoring via your PC with the innovative „**Browser Interface**“ without any software installation
- Modern interfaces like LAN and USB, optional **Parent-Child-Functionality** for easy method and user transfer between different DissoPreps
- Two versions available, which allows to prepare 8 litres (DPX8) or 15 litres (DPX15) of media, sufficient to fill all vessels of one or more dissolution tester
- Fast media preparation** in around 15min with high degassing efficiency by monitored vacuum and precise temperature
- Well suited for **foaming media** like SDS/SLS **Automatic-Washing** of the complete system
- Various accessories available like Remote Control Nozzle, Cart for Mobile Version and **Uninterruptible Power Supply**

All these specifications and features have one target – **MAKE YOUR EVERYDAY WORK EASIER.** And they ensure, that the „DissoPrep“ is your ideal partner to reduce your labor cost and working time to prepare degassed and heated media for your dissolution tester.

Introducing the DissoPrep: Elevate your media preparation with unparalleled reproducibility and 21 CFR Part 11 compliance. Crafted with German precision and sustainable engineering, it embodies our commitment to excellence. Experience the „Made in Germany“ advantage in every batch.



	DissoPrep X8	DissoPrep X15
STORAGE VOLUME	8,000g net, apportionable from 1 - 36 vessels, 11,000g gross	15,000g net, apportionable from 1 - 72 vessels, 16,000g gross
INPUT CHANNELS	2 Inputs (water/premixed media line, additive line); Input pressure max. 0.1 bar)	
INPUT FILTER	PP Cartridge Filter 20 μ	
MAX. ACID CONCENTRATION	10% acid at the additive input line, 0.5% acid or SDS/SLS \leq 2% at the medium input/output line	
OUTPUT CHANNEL	1 dispense output Optional: Remote Control Nozzle	
DOSING PRINCIPLE	Gravimetric (internal)	
CALIBRATION	Manual/Automated calibration capabilities with Protocol consolidation of the calibration instruments	
PREFILL VOLUME	1,500g (necessary for prefilling the tank)	1,800g (necessary for prefilling the tank)
PREHEATING	till 45 °C (setting in 0.1 °C digits) max. 25 °C temperature difference	
TEMPERATURE ACCURACY	< 1.5°C at 32°C to 37°C and >5,000g, monitored, inlet temperatur must be > 20°C	
MIXING UNIT	Magnetic Stirrer, functionally monitored	
ADDITIVE MIXING	1:3 - 1:100 (33% to 1%) (setting in 0.1g digits) Max. 1000g Additive per vessel	
MIXING ACCURACY	<0.5% of ratio 1:3 - 1:100, typ. 0.2%, monitored	
DEGASSING	Vacuum typ. < 100mbar pressure absolute, monitored <5.5 ppm, typ. 3.5 - 4.5 ppm	
THROUGHPUT	24 - 32 l/h	26 - 35 l/h
DOSING RATE	2,000mL/min	
DOSING VOLUME	50g - 8,000g (setting in 1g digits)	50g - 15,000g (setting in 1g digits)
DOSING ACCURACY	< 1% at 500 - 8,000g, typ. 2g, monitored	< 1% at 500 - 15,000g, typ. 3g, monitored
AUTOWASH	volume and number of cycles selectable 1 cycle, 3,000g, typ. 13 - 14 min	
INTERFACES	USB, LAN, RS232	
PRINTER	USB, LAN PCL-5 and PCL-6, ASCII Font	
USER MANGEMENT	Manage unlimited number of users with individual user permissions, PIN-Login optional	
STORAGE	> 100.000 Methods and > 100.000 Reports	
OPTIONAL PACKAGES	CFR PACKAGE: with multiple settings, electronic signature, comment on Audit Trail, etc. (for CFR comliant working) BACKUP PACKAGE: for fully manual or automatic backup to USB or FTP-server	
REMOTE ADMINISTRATION / BROWSER INTERFACE	Effortless management of methods, reports, users, roles, audit trails, and system settings using the latest versions of Microsoft Edge®, Google Chrome®, or equivalent browsers.	
DIMENSIONS	W 30cm x D 60cm x H 65cm	
WEIGHT	26kg (net)	28kg (net)
VOLTAGE SUPPLY AND POWER RATINGS	230V, 50/60Hz, 1,85kW 115V, 50/60Hz, 1,85kW 100V, 50/60Hz, 1,50kW	
ENVIRONMATENTAL	18 to 30°C (Minimum 10°C below the test temperature),	

* specifications are subject of change

