

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

Easy, intuitive operation and real time monitoring via your PC with the innovative „Browser Interface“ without any software installation

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

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 testers

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.

The „DissoPrep“ will make your media preparation reproducible and compliant to 21 CFR Part 11. Our philosophy is precision, passion and sustainable engineering – „Made in Germany“. Get your „DissoPrep“ and ask for your individual offer!



| | 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 | 10N acid at the additive input line, 0.5% acid at the medium input/output line (~0,1N) | |
| 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 | |
| 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 | 100g - 8,000g (setting in 1g digits) | 100g - 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 | |
| DISPLAY | Two-Line LCD with Push-Buttons, operable with gloves | |
| USER MANGEMENT | Manage unlimited number of users with individual user permissions | |
| STORAGE | > 100.000 Methods and > 100.000 Reports | |
| OPTIONAL PACKAGES | CFR PACKAGE: with multiple settings, electronic signature, comment on Audit Trail, etc. for CFR compliant working BACKUP PACKAGE: for fully manual or automatic backup to USB or FTP-server | |
| REMOTE ADMINISTRATION | Browser-Interface for easy administration via PC search function in all relevant list (method list, report list) | |
| 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 | |
| ENVIRONMENTAL | 18 to 30°C (Minimum 10°C below the test temperature), | |

* specifications are subject of change

