



SUPER-4 Flow-through System

USP Apparatus 4 Automated Flow-through Dissolution System

- Run in open or closed loop mode
- Waterbath design ensures excellent cell-to-cell temperature uniformity
- Independent in-cell sensors for real time media temperature monitoring
- Collect in test tubes or HPLC vials
- Run up to four independent flow rates during same run for method development
- Constant flow mode and pulsation mode options
- Use one or multiple stacked filters to prevent clogging
- Heated media delivery lines ensure temperature stability throughout the run
- Supports media changes up to four different pH values with buffering
- Store up to 20 methods
- A wide variety of flow-through cell options such as 22.6 mm large cell, 12 mm small cell, powder cell, suppository cell, gel cell, transdermal cell, etc.
- 21 CFR Part 11, USP, EP, JP, CP compliant

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Product Introduction

SUPER-4 Flow-through System is a precision 8-channel USP Apparatus 4 flow-through system that is automation-ready with the DSC-800 autosampler/controller, SCR-DL sample collector and MC-4000 media changer.

Extended Functions

- Like most Logan products, automation modules can be easily added, including on-line UV or HPLC
- Connect it to the Logan PERMETRO permeation system for BE/BA studies

Applications

Dissolution or release testing of tablets, capsules, suppositories, stents, implants, microspheres, suspensions, liposomes and more.

Ideal for poorly soluble dosage forms.



Large Cell - Type A



Small Cell - Type B



Gel Cell



Suppository Cell



Powder Cell

SUPER-4 Flow-through System Includes

SUPER-4 Main Unit	DSC-800 Autosampler/Controller
<p>Flow-through positions: 8 Media reservoir: 8 Flow-through cell type: large cell (type A), small cell (type B), gel cell, suppository cell, powder cell, transdermal cell, etc. 4 independent flow rate zones (2 cells each) Temperature range: ambient to 45 °C Dimensions: 104 cm × 67 cm × 78 cm (LxWxH) Power: 110 V AC, 50/60 Hz 220 V AC, 50/60 Hz</p>	<p>Auto system controller Storage up to 20 methods Sample collection: 1-10 mL Volumetric accuracy: 0.1 mL Sampling positions: 8 Flow rate: 0-24 mL/min Multi-language support Built-in printer Color touch screen Dimensions: 41 cm × 70 cm × 74 cm (LxWxH) Power: 110 V AC, 50/60 Hz 220 V AC, 50/60 Hz</p>
SCR-DL Sample Collector	MC-4000 Media Changer (optional)
<p>Closed loop 16-row rack (vials or test tubes) Open loop 11-row rack</p>	<p>Open-loop pH changer Glass tubes for pH mixing</p>