

Detailed Specification

Dimensions	
Size (LxWxH)¹	1250 mm X 758 mm X 680 mm
Weight¹	100 kg
Connectivity	
Data Input	USB Linked PC Integrated Barcode Reader
Data Output	PDF, other formats available
Compliance	
Data Logged	Date/Time, Sample Description, Dispense Volume, Sample Status, Dilution Ratio, Extraction Pressure Profile, Extraction Video, User.
Data Control	Master File Read Only Output Encrypted #-Code Validation of Data Tracking
User Control	User Access/Login Rights
21 CFR Part 11	Compliant
Method Development	Login Rights Method History (User, Date/Time) Creation, Edits, Saves, Approving.
Method Control	Level 1. – Frozen (Read Only) Approved Methods Level 2. – Edit Mode
Sample Tracking	2D DataMatrix Encrypted Barcode
Process Monitoring	Pressure Monitoring, Video Monitoring
System Monitoring	System Watchdog: Gravimetric, Pressure Monitoring, Leak Sensing
Balance Calibration	Gravimetric (Internal Calibration) and Manual Checking
Sample	
Sample Types	Tablets (Normal and Prolonged Release), Beads, Capsules, Gels, Intermediate Granulations, Pellets, Powders, Solid & Semi-Solid Matrices, Stents, Swabs, and Liquids
FlowCell Volume	9 mL / 14 mL
Operational Parameters	
Extraction Mode	Turbulent Flow Turbulent Flow and Ultrasonication
Carousel Capacity	30 Samples
Workflow	Batch Mode up to 30 Samples or Continuous Load Mode
Extraction Volume	50 mL to 500 mL
Dispensing Accuracy	ASTM Class A with Gravimetric Confirmation
Liquid Arrival Check	Gravimetric Arrival Confirmation
Extraction Solvent Modes	Single Solvent Extraction Mode Serial Solvent Extraction Mode
Solvent Lines	5 Input Lines
Filtrate Volume	Up to 2.4 mL ²
Filter Medium & Pore Size	PVDF, PTFE (Hydrophilic), Nylon, Glass Fiber, PVDF + Glass Fiber, PTFE (Hydrophilic) + Glass Fiber, Nylon + Glass Fiber. Pore Size - 0.2 µm to 1 µm

Operational Parameters – Continued	
Extracted Sample Dilution Range	1:1 to 1:400 Standard Mode
Flow Rate	70 mL/min to 1 L/min
Electrical	100 - 240 VAC, 50/60 Hz, 1500 VA
Sample Output	
Sample Output	20 mL Primary Vial & 2 mL HPLC Vial or Transfer Line For Online Setup
Sample Output Volume	Up to 20 mL
Evaporation Control	Capped and Septa Output Vials (20 mL & 2 mL)
User Modes	
Standard Mode	Quick 'Barcode, Load & Run' Operation Intuitive User System with Sample Progress Status and Smart Carousel Animation
Method Development Mode	Quick 'Barcode, Load & Run' Operation Intuitive Method Development Setup with Full Control of Extraction and Condition Parameters
Report & Results Mode	Report Recall and Management
Software	
Version	RES Command
Operating System	Windows Vista Windows XP Windows 7 PRO, English Version
Environmental	
Green Design	Consumable Workflow for Reduced Solvent Consumption

¹ approximations.

² dependent on filter type and method



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