

# EVOLUTION 4300

The Evolution 4300 is equipped with state-of-the-art electronics and utilizes highly reliable and accurate syringe pumps for sample collection. Accommodating up to two independent syringe pumps, both dual sampling and simultaneous dissolution methods make the Evolution 4300 the premier Dissolution sampler option.

- **POSITIVE DISPLACEMENT SYRINGE PUMPS**

The single or dual syringe pump configuration allows for accurate, high volume sample collection.

- **INDEPENDENT METHOD PROGRAMMING**

The dual bath configuration allows two different and independent dissolution methods to be run.

- **SIMPLE YET DETAILED INTERFACE**

User Logins set access limits, sampling is logged for audit purposes and the printer provides during and after testing result reports.

- **MEDIA RECYCLING AND REPLACEMENT**

Media Recycling and Replacement offer the advantage of returning unused media and replacing the collected sample volume for ease of dissolution calculations.

- **DILUTION CAPABLE**

Automatically performed upon test completion, defined levels of diluent can be set for each individual sample or for all samples collected.

- **SEPTUM PIERCING**

Dual sleeved needles alleviate back pressure when collecting into sealed test tubes and HPLC vials.

- **FIVE MINUTE SAMPLING**

The Evolution 4300 is ideally suited for immediate release profiling when a sampling time of five minutes\* between time points is required.

\*Five minute sampling is achievable under ideal conditions. Sampler parameters will affect minimum time intervals. Consult your Distek Sales Manager to discuss your testing conditions.



## SPECIFICATIONS

SYSTEM COLLECTOR	
Tube / Vial Capacity	Up to 256 (HPLC Vials or 8 mL Test Tubes), 8 x 16 per Bath
Max. Number of Sample Sets	Up to 32 per Bath
Internal Method Storage	40 Methods
Operator Privileges	User and Manager Accounts, Password Access
Dimensions	15" (w) 16" (h) x 22" (d) / (38 cm x 41 cm x 56 cm)
Weight	43 lbs. / (19.5 kg)
Electrical Power	100 - 240 VAC, 50/60Hz 2.5A
Interface Ports	RS-232 (1), RS-485 (2), Parallel Printer (1)
SYRINGE PUMP	
Volume	0.1 mL to 20 mL, Programmable
Flow-Rate Range	Up to 25 mL / Min
Volumetric Precision	±0.1 mL
Tubing Type	Teflon, 1/16" OD
Dimensions	8" (w) x 17" (h) x 12" (d) / (20 cm x 43 cm x 30 cm)
Weight	29 lbs. / (1w3 kg)
Electrical Power	100 - 120 / 200 - 240 VAC, 50/60Hz 3A
Interface Ports	RS-232 (1), RS-485 (2)
Single Bath - Configuration	Collects up to 32 Time Points from up to 8 Vessels
Dual Bath - Configuration	Collects up to 32 Time Points from up to 16 Vessels

## ACCESSORIES

SAMPLING PROBES		FILTER DISKS	
Sample Probe, 500 mL	2910-0500	Filter Disks - 10 Micron (1000 per package)	5720-0203-1000
Sample Probe, 500 mL - Lower Portion Only	2910-0502	Filter Disks - 45 Micron (1000 per package)	5720-0275-1000
Sample Probe, 500 mL - Solid Housing	2910-0506	FILTER TIPS	
Sample Probe, 750 mL	2910-0750	Filter Tip - 10 Micron (Use with Two Piece Screw Top Sample Probes)	5720-0212-100
Sample Probe, 750 mL - Lower Portion Only	2910-0752	Filter Tip - 35 Micron (Use with Two Piece Screw Top Sample Probes)	5720-0210-100
Sample Probe, 750 mL - Solid Housing	2910-0756	Filter Tip - 45 Micron (Use with Two Piece Screw Top Sample Probes)	5720-0211-100
Sample Probe, 900 mL	2910-0900	FITTINGS & ADAPTERS	
Sample Probe, 900 mL - Lower Portion Only	2910-0902	Luer Adapter - Female	5720-9059
Sample Probe, 900 mL - Solid Housing	2910-0906	Elbow - Male to Female	5720-9074
Sample Probe, 1000 mL	2910-1000	Syringe Filter Adapter Assembly	2800-0110
Sample Probe, 1000 mL - Lower Portion Only	2910-1002	MISCELLANEOUS	
Sample Probe, 1000 mL - Solid Housing	2910-1006	HPLC Vial Rack (8 x 16 Rows) for 2 mL Vials	2800-0134
Sample Probe, 1800 mL	2910-1800	Probe Plug with O-Ring	2910-0003
Sample Probe, 1800 mL - Lower Portion Only	2910-1802	Space Saver Shelving Unit	2800-0136
Sample Probe, 1800 mL - Solid Housing	2910-1806	Test Tubes - 10 mL Glass, 13 mm x 100 mm (250 pcs.)	3010-0008
Return Probe	2910-0001		
Sample Probe, 500 mL (Two Piece Screw Top)	2910-0500-Q		
Sample Probe, 900 mL (Two Piece Screw Top)	2910-0900-Q		



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