

- **Patented Bathless Technology***

Our advanced technology eliminates the water bath, associated maintenance, and thermocircular-related vibration and noise.

- **Embedded Temperature Sensor in Stirring Shaft**

The embedded sensor allows users to continuously control, monitor, and record individual vessel temperatures.

- **USP Tolerance Checking**

Dissolution test parameters are monitored and reported to confirm compliance with stated USP guidelines for temperature and RPM. The feature is user selectable to OFF, ALERT, and ABORT.

- **Rapid Media Heating**

High watt heaters raise media temperatures from ambient to 37°C in less than 15 minutes, improving throughput by reducing the changeover time between tests.

- **Security and Password Protection**

The setting of user and manager privileges increases control over key parameters, reducing errors.

- **Method Storage with Audit Trail**

Stores and sorts up to 100 methods by name and create date. Also records the previous 50 modifications made to each method, noting the user, date and change.

- **"VisiChek" Visual Perspective Enhancement System**

The system offers a view from beneath the vessels, providing a unique visual tablet perspective.

- **Printer Sharing Capable**

Save money and maximize bench space by linking up to 4 Evolution systems together to share one printer.

Bathless Dissolution



Setting the Standard

Distek is once again setting the standard by which all dissolution systems will be measured. The Evolution Model 6100 is taking bathless dissolution to the next level by advancing the state of the art design of its predecessor, the highly successful Model 5100.

The Evolution 6100 is designed to meet today's demanding standards for accurate temperature control and test result reporting. It maintains much tighter tolerances for temperature and RPM than conventional systems. In addition, elimination of the water bath puts an end to leaks while reducing the time and effort needed for cleaning and maintenance.

The enhanced user interface offers a rich array of features and functionality, greatly improving the dissolution chemist's productivity and control over the dissolution test. The Model 6100 has menu driven navigation for ease of setup, manager and user log-in levels, 100 searchable and sorted methods and storage of up to 40 test reports.

Other advanced features include auto-detection of shaft raising and lowering, auto-start for staggered drop basket tests, and ProduKey data keys which store up to 5 dissolution methods or instrument calibration information, allowing for quick download and transfer of methods between instruments.

* US Patent No. 5589649
Related foreign patents apply.

Evolution Model 6100 Specifications

Dissolution Vessels	Up to Seven Vessels
• Volume	500 mL – 1000 mL Programmable
• Vessel Heating Rate	2°C per Minute
RPM Control Range	25 – 350 RPM, Digitally Controlled, Closed Loop
• Resolution	0.1 RPM
• Accuracy	± 0.2 RPM
• Display	LED's, 0.75" (19 mm) High
• Motor	High Torque, Permanent Magnet
Vessel Temperature Control	Independently Controlled Two-Zone Heater Jackets
• Display Resolution	0.01°C
• Accuracy	±0.25°C*
• Calibration	Built-in Calibration Probe
Shaft Wobble	Less than 0.010" (0.254 mm) Total Indicator Runout
Program Modes	Manual (Individual Vessel Control)
	Automatic (Up to 100 Pre-Programmed Methods)
	External (ProduKey™ Memory Device), Agilent 8453 UV/VIS and Waters® Alliance® 2695D HPLC
Interface Ports	RS-232 (2), RS-485 (1), Parallel Printer (1)
Construction Materials	Cast Aluminum, Stainless Steel, Acid Resistant Solid State Heating Elements, Engineered Plastics
Dimensions	26"(w) x 39"(h) x 20"(d) (66 cm x 99 cm x 51 cm)
Weight	150 lb (67.5 kg)
Electrical Power	115V 50/60Hz 15A or 220V 50/60Hz 8A (operating voltage pre-set at factory)

*Test Setting: Paddles, 900 mL, 50 RPM



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