



## Evolution Model 6100

- **Patented Bathless Technology**

Our leading technology eliminates the water bath, associated maintenance, and thermo-circulator-related vibration and noise.

- **Embedded Temperature Sensor in Stirring Shaft**

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

- **Enhanced User Interface**

Provides for easy set-up and control of key bath parameters, reducing user errors.

- **Rapid Media Heating**

High watt-density 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 up of user and manager privileges increases control over key parameters, reducing errors.

- **Method Storage**

Allows up to 100 method storage, reducing set-up time and minimizing user errors.

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

Available only from Distek, the system offers a view from beneath the vessels, providing a unique visual table perspective.

- **Printer Sharing Capable**

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

## *Bathless Dissolution*



## *Setting the Standard*

Distek is once again setting the standard by which all dissolution systems will be measured. The new 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 up to 40 test report storage.

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 calibration information, allowing for quick download and transfer of methods between instruments.

## Evolution Model 6100 Specifications

<b>Dissolution Vessels</b>	Up to Seven Vessels
• <b>Volume</b>	500mL - 1000mL Programmable
• <b>Vessel Heating Rate</b>	2 °C per Minute
<b>RPM Control Range</b>	25-300 RPM, Digitally Controlled, Closed Loop
• <b>Resolution</b>	0.1 RPM
• <b>Accuracy</b>	±0.2 RPM
• <b>Display</b>	LED's, .75" (19mm) High
• <b>Motor</b>	High Torque, Permanent Magnet
<b>Vessel Temperature Control</b>	Independently Controlled Two-Zone Heater Jackets
• <b>Display Resolution</b>	0.01 °C
• <b>Accuracy</b>	±0.25 °C*
• <b>Calibration</b>	Built-in Calibration Probe
<b>Shaft Wobble</b>	Less than 0.010" (0.254mm) Total Indicator Runout
<b>Program Modes</b>	Manual (Individual Vessel Control)
	Automatic (Up to 100 Pre-Programmed Methods)
	External (ProduKey™ Memory Device)
<b>Interface Ports</b>	RS-232 (2), RS-485 (1), Parallel Printer (1)
<b>Construction Materials</b>	Cast Aluminum, Stainless Steel, Acid Resistant Solid State Heating Elements, Engineered Plastics
<b>Dimensions</b>	26"(W) x 39"(H) x 20"(D) (66cm x 99cm x 51cm)
<b>Weight</b>	150 lb. (67.5 kg)
<b>Electrical Power</b>	115V 50/60Hz 15A or 220V 50/60Hz 8A (Operating voltage pre-set at factory)

\*Test Setting: Paddles, 900mLs, 50RPM



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