

EVOLUTION 6300

The Evolution 6300, providing independent through the shaft temperature monitoring of each vessel, has set the benchmark by which all dissolution water bath systems are measured.

- IN-SHAFT TEMPERATURE SENSORS**
 Embedded temperature sensors ensure users compliance and allow continuous control and recording of individual vessel temperatures.
- TOLERANCE CHECKING**
 Monitored and reported test parameters confirm compliance with stated industry guidelines for temperature and RPM.
- SECURITY AND PASSWORD PROTECTION**
 Setting of user and manager privileges increases control over key parameters and reduces human error.
- METHOD STORAGE WITH AUDIT TRAIL**
 Records, stores and sorts up to 100 methods, including the previous 50 modifications made to each method, noting name, creation and change dates.
- BUILT IN NIST TEMPERATURE PROBE**
 Improves temperature accuracy and ease of calibration by offering an easily accessible calibrated temperature probe on the unit.
- SELECTABLE TEMPERATURE CONTROL METHOD**
 Embedded temperature sensor within the vessel or externally via the thermocirculator offers selectable temperature control of the water bath.
- SMALL VOLUME DISSOLUTION**
 Converting from a standard Apparatus 1 and 2 configuration to small volume dissolution is as simple as unscrewing the paddle blade or basket adapter from the shaft and screwing on the small volume stirring element.



SPECIFICATIONS

Dissolution Vessels	Up to Seven Vessels
Volume	100 - 1000 mL Programmable
Vessel Heating Rate	~0.3°C per Minute
RPM Control Range	25 - 350 RPM, Digitally Controlled, Closed Loop
RPM Resolution	0.1 RPM
RPM Accuracy	±1 RPM up to 100 RPM and ±1% >100 RPM
Motor	High Torque, Permanent Magnet
Vessel Temperature Control	TCS Thermocirculator
Temperature Resolution	0.01°C
Temperature Accuracy	±0.25°C at 37°C
Calibration	Built-in Calibration Probe
Shaft Wobble	Less than 0.010" / 0.254 mm (Total Indicator Runout)
Display	LED's, 0.75" (19 mm) High
Program Modes	<ul style="list-style-type: none"> • Manual (Individual Vessel Control) • Automatic (Up to 100 Pre-Programmed Methods) • External (ProdKey™ Memory Device), Distek EVO 4300, Opt-Diss 405™, Agilent 8453 UV/Vis or Waters® Alliance® 2695D HPLC
Interface Ports	RS-232 (2), RS-485, Parallel Printer
Construction Materials	Cast Aluminum, Stainless Steel, Engineered Plastic
Dimensions	26" (w) x 39" (h) x 20" (d) / (66 cm x 99 cm x 51 cm) TCS: 7" (w) x 16" (h) x 7" (d) / (18 cm x 41 cm x 18 cm)
Weight	150 lbs. / (67.5 kg) TCS: 16 lbs. / (7.3 kg)
Electrical Power	115V ± 15V 50/60 Hz 3A or 220V ± 15V 50/60 Hz 3A (Operating Voltage Pre-Set at Factory) TCS: 115V ± 15V 50/60 Hz 10A or 220V ± 15V 50/60 Hz 7A