BATHLESS DISSOLUTION INSTRUMENT

SYMPHONY 7100

The symphony 7100 Bathless Dissolution System is the most advanced dissolution design to date, bringing to market features never before available on a dissolution unit.

Building upon Distek's more than 20-year history of bathless technology, the symphony 7100 offers the fastest media heating in the industry. Individual heating jackets and independent motors at each position means that the user can run up to three different methods simultaneously (including temperature and agitation speed).

- **BATHLESS HEATING**
  Eliminates the water bath and all associated maintenance. Heater jackets raise media temperatures from ambient to 37°C in less than 15 minutes, using considerably less energy in the process. Bathless design also allows high temperature operation up to 99°C.

- **IN-SHAFT TEMPERATURE SENSORS**
  Embedded temperature sensors control and monitor the temperature.

  - Continuously monitor, display and record the in-vessel temperature for each vessel
  - Ensure and document temperature compliance throughout the entire dissolution test
  - Eliminate additional labor to measure actual temperature in vessels

- **RUN MULTIPLE METHODS SIMULTANEOUSLY**
  Run up to three independent methods simultaneously with different temperature, RPM, apparatus & timing.

- **INDEPENDENT MODULES**
  Modularity allows the user to specify the number of positions (1-8) desired, allowing the flexibility for users to scale up the dissolution unit to meet their needs. D-Drive technology grants the symphony 7100 the ability to independently raise and lower each shaft as well as control the stirring speed in each position.

- **COLOR TOUCH SCREEN DISPLAY**
  The icon driven user interface lowers overall cost by reducing training time and user errors while maximizing productivity and command of the dissolution test.

- **SEMI-CIRCLE FOOTPRINT**
  The symphony 7100's design eliminates the obstructive drive head to improve sampling and vessel access.

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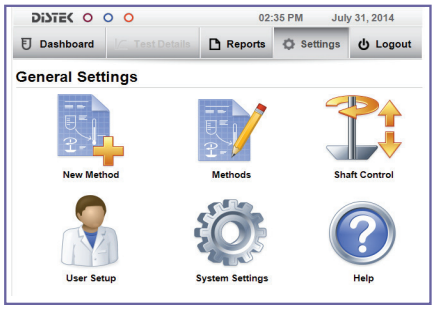
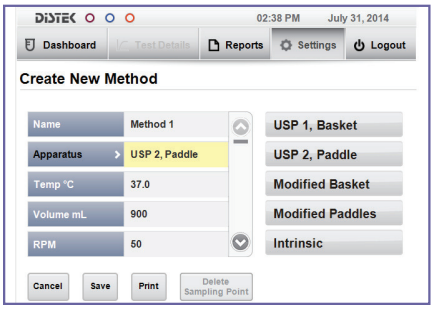
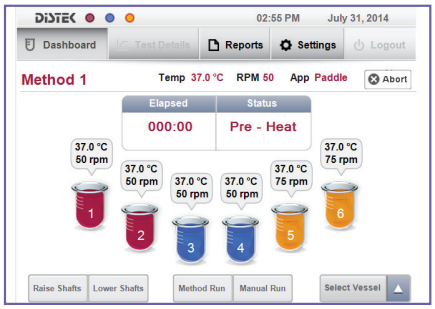
SPECIFICATIONS

Dissolution Vessels	Up to Eight 1L Vessels
Volume	500 - 1000 mL Programmable
Vessel Heating Rate	2°C per Minute
RPM Control Range	30 - 300 RPM, Digitally Controlled
RPM Resolution	0.1 RPM
RPM Accuracy	±1 RPM up to 100 RPM and ±1% >100 RPM
Motor	Brushless DC
Vessel Temperature Control	Ambient to 99°C, Independently Controlled High Watt Heater Jackets
Temperature Resolution	0.01°C
Temperature Accuracy	±0.25°C up to 45°C (Test Setting: Paddles, 900 mL, 50 RPM) ±0.50°C from 46°C to 99°C (Test Setting: Paddles, 900 mL, 50 RPM)
Shaft Wobble	Less than 0.010" / 0.254 mm (Total Indicator Runout)
Lab Temperature Min/Max	20°C / 25°C
Lab Humidity Min/Max	20% / 75% Relative Humidity
Display	5.7" Color Touch Screen
User Management	Manage up to 50 Users with Multiple Access Levels
Program Modes	• **Manual** (Individual Vessel Control) • **Automatic** (Up to 100 Pre-Programmed Methods) • Distek EVO 4300, Eclipse 5300, Opt-Diss 405, Opt-Diss 410
Interface Ports	USB, Ethernet, RS-232, RS-485
Construction Materials	Cast Aluminum, Stainless Steel, Acid Resistant Solid State Heating Elements, Engineered Plastic
Dimensions	27" (w) x 39" (h) x 22" (d) / (69 cm x 99 cm x 56 cm)
Weight	78 lbs. / (35 kg)
Electrical Power	115V ± 15V 50/60 Hz 15A or 230V ± 15V 50/60 Hz 8A (Operating Voltage Pre-Set at Factory)







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