

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 first to market bathless technology, this third generation unit offers the fastest media heating in the industry while empowering the user to conduct up to three unique methods simultaneously.

- PATENTED BATHLESS TECHNOLOGY**
 Eliminates the water bath and all associated maintenance while high watt heaters raise media temperatures from ambient to 37°C in less than 15 minutes.
- IN-SHAFT TEMPERATURE SENSORS**
 Embedded temperature sensors ensure users compliance and allow continuous control and recording of individual vessel temperatures.
- RUN MULTIPLE METHODS SIMULTANEOUSLY**
 Up to three independent methods run simultaneously minimizing development time and increasing productivity.
- INDEPENDENT MODULES**
 Configurable for up to 8 positions, the symphony 7100's self-contained modules allow users unprecedented ease and scalability.
- 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.
- INDEPENDENT RPM'S WITH CONTINUOUS MONITORING**
 Leveraging patent pending D-Drive technology, the symphony 7100 can raise and lower the shafts at three speeds as well as control and monitor the individual stirring-speed in each vessel position.
- SEMI-CIRCLE FOOTPRINT**
 The symphony 7100's design eliminates the obstructive drive head to improve sampling and vessel access.



SPECIFICATIONS

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|-----------------------------------|---|
| 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 | 20 - 99°C, Independently Controlled High Watt Heater Jackets |
| Temperature Resolution | 0.01°C |
| Temperature Accuracy | ±0.25°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 | Above 30% Relative Humidity / Below the Dew Point |
| Display | 5.7" Color Touch Screen |
| Program Modes | <ul style="list-style-type: none"> • Manual (Individual Vessel Control) • Automatic (Up to 100 Pre-Programmed Methods) • Distek EVO 4300, Opt-Diss 405™, Agilent 8453 UV/Vis or Waters® Alliance® 2695D HPLC |
| 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) |

