

COMPACT INCUBATED SHAKER

For BENCH-TOP and ROBOTIC OPERATION



- Small footprint
- Removable reaction blocks
- Futuristic Easy to Use Touch-Control Pod
- Easy-to-read LED Digital Display
- Microprocessor controlled speed and heating control for superior performance and accuracy.
- Auto-Park feature. Always stops in the same x - y position every time.
- Enhanced orbital mechanics for long life performance and low cost maintenance.



Fast, Flexible and Futuristic

Easy to Operate—Easy to Read Control Panel, setting required temperature and agitation speeds takes just moments using the simple, **Modern styled** touch-control panel. A clear digital readout of actual temperature and shaking speed is presented on the **high definition** LCD. Designed to be used as a stand-alone product or incorporated into a robotic system, the RS3000 has a small footprint allowing most robotic platforms to hold the unit. RS3000 units are compact and **flexible** and can easily be **maneuvered** in and out of the workstation or a robotic system enabling you to use these units as a manual system in the morning and part of workstation or robotic system in the afternoon



Contact your ESTEM Representative today



VERSATILE

Paramount in the present market environment.

■ **Two Control Methods.** The RS3000 can be used within a robotic workstation or as a stand-alone apparatus free standing on a bench. Heating and shaking cycles can be control by external software as part of a fully automated system through the RS232 / RS485 or it can be controlled via the easy to operate touch-control pod for a stand-alone bench-top use.

■ **Removable Reaction Racks.** The RS3000 reaction blocks can easily be changed giving you total versatility over your selection of glass vessels. The reaction blocks can be customized to accept different vessels tied to your specific applications. For more information call Barnstead International at 800-553-0039, extension 6767.

■ **Auto-Park.** The RS3000 has a unique "auto-park" feature, which ensures the platform always stops in the same x-y coordinate.

SAFETY

A Requirement for All Laboratories

■ **Soft Start Feature.** This uniquely designed ramping feature allow slow build-up to the set speed (from 0-10 minutes) This feature minimizes splashing of vessel contents, wetting of flask closures and fragmentation of specimens.

■ **Thermal Cut-off.** The thermal cut-off eliminates runaway conditions.

■ **Eccentric Drive.** The RS3000 features a robust two axis slide plate mechanism, which will handle heavy workloads, while handling continuous 24-hour operation provides uniform agitation.

■ **Safety Interlock Stopper.** Safety Interlock Stopper ensure the platform stops when the door is open.

■ **Rugged Design.** The RS3000 has such a rugged design, we offer a five-year warranty on parts, one-year warranty of labor and LIFETIME on mechanism.

■ **Hot Block Warning.** Always know when the block temperature is above 50°C even when the apparatus is unplugged from the power supply with the highly visible warning display icon.



ORDERING INFORMATION

Catalog Number	Speed Range (rpm)	Temperature Range Celsius	Orbital Diameter Inches (cm)	Temperature Uniformity	Overall Dimensions Inches (cm)	Power 50/60 Hz	Shipping Weight Lbs. (kg)
PS83001	100-600	Ambient +5 to 150°C	0.075 (1.9)	±0.5°C	9.3x6.7x20" (23.5x17x50.8)	120 Volt	30.8 (14)
PS83002	100-600	Ambient +5 to 150°C	0.075 (1.9)	±0.5°C	9.3x6.5x20" (23.5x17x50.8)	240 Volt	30.8 (14)

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