



Shakers

Model SA300/320/400

Model		
SA300	SA320	SA400

Shaking Method		
Horizontal / Vertical	Rotary & Horizontal / Rotary & Vertical	Double-sided Vertical

Shaking Number		
20~300	20~210	20~300

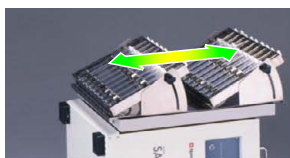
Shaking Width		
40mm		

Control Panel



SA300/320

Shaking Method



Horizontal shaking



Vertical shaking



Rotary and Horizontal shaking



Rotary and Vertical shaking

The SA300 achieves two-dimensional shaking, horizontally or vertically, while the SA320 enables rotary shaking that yields a higher shaking effect. The SA400 is a double-sided vertical shaking type.

- The main unit themselves shake vertically, but it can be laid on their side so that they shake horizontally.
- The various holders can be easily attached and removed, and are extremely durable.
- The SA400 is a double-sided vertical shaker and its 1 liter liquid load holder can shake 6 sample holders simultaneously.
- With the adoption of a spare direct-flow motor, the SA400 can generate stable shaking frequencies and high-torque shaking power. Though compact, it is equipped with added weight (10kg for one side).
- Easy-to-use dial settings for shaking frequency, and digital displays. Possible to switch between timer operation and continuous operation.



SA320(Horizontal and rotary shaking)

SA300(Vertical shaking)



SA320(Vertical and rotary shaking)

SA400(Vertical shaking)



Specifications

Model	SA300	SA320	SA400
Shaking method	Horizontal / Vertical reciprocate shakings	Horizontal / Vertical rotary shakings	Double sided vertical reciprocate shaking
Shaking speed ; Horizontal ; Vertical	Approx. 20~300 times/min. Approx. 20~300 times/min.	Approx. 20~210 times/min. Approx. 20~210 times/min.	None Approx. 20~300 times/min.
Speed control Timer Motor	Stepless speed control by thyristor 0~60min. DC motor, 90W		Stepless speed control by thyristor/Digital display 0~60min. DC motor, 90W
External dimensions(W×D×Hmm)	422×460×460		520×460×462
Power source 50/60Hz	100/220V, single phase, 2.2/1.0A		100/220V, with external transformer, single phase, 2.2/1.0A
Weight	Approx. 40 kg		Approx. 39 kg

Accessories

Fuse 1 pcs.
Carbon brush 1 set

Optional Accessories

Centrifugal tube holder (for ϕ 16~35mm×110~130mm length tube×18 pcs.)
Test tube holder (for ϕ 16.5~18mm×160~190mm length tube×18 pcs.)
Erlenmeyer flask holder (a set for 100~1,000ml)
Separatory funnel holder (for 100~1,000ml)

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■ Separatory funnel holder
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Dimensions (Unit:mm)

