

Laboratory Shaker

Vertical / Horizontal / Rotary / Double-sided vertical shaking motion

SA300-115V SA300-220V / SA320-115V SA320-220V
SA400-115V SA400-220V

SA300/400 20~300rpm

SA320 20~210rpm

Shaking width 40mm



SA320 with test tube holder

Test tube and funnel holders sold separately

SA300 with separating funnel holder

Glassware not included



SA320 with separating funnel holder

Funnel holders sold separately

SA400 with separating funnel holder

Glassware not included

The SA300 achieves two dimensional shaking (horizontal and vertical), while the SA320 enables rotary shaking and SA400 is double-sided vertical shaking. All models are efficient in extraction, culture and mixture stirring of samples.

- Stable turns from low to high speed can be obtained
- Compact and equipped with a powerful shaking load
- Easy-to-use dial settings for shaking frequency and digital displays.
- Possible to switch between timer operation and continuous operation
- Various holders can be easily attached and removed and are extremely durable

SA300/320

- The main unit shakes vertically, but it can be laid on the side to shake horizontally

SA400

- 6 pieces of 1 liter liquid sample holder and 4 pieces of 2 liter liquid sample holder can shake simultaneously
- Double sided shaking possibility

Specifications

| Model | SA300-115V SA300-220V | SA320-115V SA320-220V | SA400-115V SA400-220V |
|------------------------------|--|--------------------------------------|---|
| Shaking method | Horizontal / Vertical shaking | Horizontal / Vertical rotary shaking | Double sided vertical shaking |
| Max. number of sample holder | 100ml x 5, 300ml x 4, 200ml x 4, 1000ml x 3, 2000ml x 2, 500ml x 4, | | 100ml x 10, 300ml x 8, 1000ml x 6, 200ml x 8, 500ml x 8, 2000ml x 4 |
| Shaking speed: horizontal | 20~300 rpm | 20~210 rpm | None |
| Shaking speed: vertical | 20~300 rpm | 20~210 rpm | 20~300 rpm |
| Speed setting display | Dial setting | | Dial setting / Digital display |
| Timer | Dial setting 0~60 min. (minimum scale 5 min.). Continuous switching function | | |
| Motor | DC motor 90W | | |
| External dimensions | W460 x D460 x H423 | | W520 x D460 x H483 |
| Weight | ~40kg | | ~39kg |
| Power source (50/60Hz) | Single phase AC115V 2A Single phase AC220V 1A | | |
| Included accessories | Fuse x 1, carbon brush x 1 | | |

Horizontal Shaking



Rotary + Horizontal Shaking



Vertical Shaking



Rotary + Vertical Shaking



Operational Accessories

Centrifugal tube holder



For all models
Horizontal / vertical shaking

Dia. 16~35mm
Length 110~130mm
18 pcs.

Product code 232087

Test tube holder



For SA300/320
Horizontal shaking

Dia. 16.5~18mm
Length 160~190mm
18 pcs.

Product code 232086

Separating funnel holder



For all models
Vertical shaking

50ml
100~1000ml
2000ml

Product code 232089

Separating funnel holder



For all models
Vertical shaking

100~1000ml

Product code 232096

Mounting stage



For SA300/320
Horizontal shaking

| Capacity | No. of pcs. |
|--------------|-------------|
| 100ml | 28 |
| 200ml | 19 |
| 500ml | 14 |
| 1L | 9 |
| Product code | 232095 |

Erlenmeyer flask holder clamp



For SA300/320
Horizontal shaking

| Product code | Capacity | No. of pcs. |
|--------------|----------|-------------|
| 232062 | 100ml | 10 |
| 232063 | 200ml | 9 |
| 232064 | 300ml | 5 |
| 232065 | 500ml | 4 |
| 232066 | 1L | 2 |

Diagonal rack

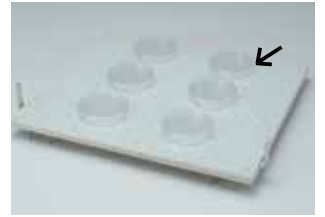


For SA300/320
Horizontal shaking

| Diagonal erlenmeyer flask holder | | |
|----------------------------------|----------|------------|
| Product code | Capacity | |
| 232067 | 100ml | |
| 232068 | 200ml | |
| 232069 | 300ml | |
| Diagonal test tube holder | | |
| Product code | Size | No. of pcs |
| 232080 | ø12mm | 50 |
| 232081 | ø16.5mm | 20 |
| 232082 | ø18mm | 20 |

Mounting stage sold separately

Non-skid sheet



For SA300/320
Horizontal shaking

Thickness 1mm
W450 x D396mm

Product code 232071

Mounting stage sold separately

Test tube rack holder



For SA300/320
Vertical horizontal shaking

Max. test tube rack
W238 x D121 x H105mm
2 lines

Product code 232088

Mounting stage sold separately

Erlenmeyer flask holder



For SA300/320
Horizontal shaking

Adjustable 100~1000ml

Product code 232097

Two layer spring shaking rack



For SA300/320
Horizontal shaking

320 pcs. of ø16 test tube
(Pitch 20mm)

Product code 232079