

Floor Shakers



ZWY-3222B



ZWY-322B

Descriptions:

LABWIT floor shakers are designed to uniformly shake more than a hundred of samples 24/7 under the extreme environmental conditions, such as in warm and in cold rooms (5 to 50 °C non condensation). The powerful drive mechanism guarantees reliable, smooth and quiet orbital shaking without vibration, even on a high speed up to 300rpm. They are ideal for mass production – especially the two platform models ZWY-3222B and ZWY-B3222, widely used in biochemical, fermentation and pharmaceutical experiments for big volumes of small flasks.

Features:

- Microprocessor controller maintains the precision of speed control.
- Large LCD display presents all actual and set parameters.
- Password protection of all parameters against unauthorized change.
- Operating parameter retention after power failure.
- Electronic timer up to 500 hours or continues operation.
- Soft start and stop function.
- Patented over-speed protection minimizes the risk of uncontrolled shaking.
- Two platform models provide increased capacity; accept 50ml to 1L flasks on lower level, or up to 5L if without the top tray.
- Powerful brushless AC induction motor with quadruple counterbalanced drive system.
- Superior cast iron and stainless steel critical components.

Specifications:

| Model | ZWY-322B | ZWY-3222B | ZWY-322C | ZWY-B3222 |
|----------------------------------|---|---------------|--------------|---------------|
| Action Mode | Orbit | | | |
| Stroke (mm) | Ø35 | | Ø50 | |
| Speed (rpm) | 30-300 | | | |
| Speed Variation | ±1 rpm | | | |
| Timer | 1 minute to 500 hours | | | |
| Number of Trays | 1 | 2 | 1 | 2 |
| Tray (mm) (WxD) | 920x640 | | 940x700 | |
| Flasks Configurations* | *Glass dimensions may reduce max. capacity | | | |
| 50 ml | 86 | 172 | 86 | 172 |
| 100 ml | 86 | 172 | 86 | 172 |
| 250 ml | 53 | 106 | 53 | 106 |
| 500 ml | 37 | 74 | 37 | 74 |
| 750 ml | 29 | 58 | 29 | 58 |
| 1000 ml | 22 | 44 | 22 | 44 |
| 2000 ml | 12 | - | 12 | - |
| 3000 ml | 11 | - | 11 | - |
| 5000 ml | 7 | - | 7 | - |
| Exterior Dimensions (mm) (WxDxH) | 1115x840x455 | 1115x840x815 | 1115x840x455 | 1115x840x815 |
| Packing Dimensions (mm) (WxDxH) | 1210x920x690 | 1210x920x1040 | 1210x920x690 | 1210x920x1040 |
| Net/Gross Weight (kg) | 280/335 | 310/370 | 280/335 | 310/370 |
| Power (W) | 300 | | | |
| Electricity | 220-240V 50/60 Hz | | | |
| Approval | CE, ISO | | | |

Ordering Information:

| Part NO. | Description | Part NO. | Description |
|-----------|--|-------------------------------|---|
| ZWY-322B | ZWY-322B, Single Layer, Orbital Floor Shaker, 35mm, 30-300rpm | P8013 | Clamp, S/S, for 150ml Flask, with Spring Retainer |
| ZWY-3222B | ZWY-3222B, Double Layer, Orbital Floor Shaker, 35mm, 30-300rpm | P8003 | Clamp, S/S, for 250ml Flask, with Spring Retainer |
| ZWY-322C | ZWY-322C, Single Layer, Orbital Floor Shaker, 50mm, 30-300rpm | P8014 | Clamp, S/S, for 300ml Flask, with Spring Retainer |
| ZWY-B3222 | ZWY-B3222, Double Layer, Orbital Floor Shaker, 50mm, 30-300rpm | P8004 | Clamp, S/S, for 500ml Flask, with Spring Retainer |
| P5006 | Single Layer Shaking Frame for ZWY-322B/3222B, Stl S/C | P8005 | Clamp, S/S, for 750ml Flask, with Spring Retainer |
| P5008 | Single Layer Shaking Frame for ZWY-322C/ B3222, Stl S/C | P8006 | Clamp, S/S, for 1000ml Flask, with Spring Retainer |
| P6020 | Tray for ZWY-322B/3222B Stl S/C | P8007 | Clamp, Spring S/S, for 2000ml Flask, with Spring Retainer |
| P6021 | Tray for ZWY-322C/B3222 Stl S/C | P8008 | Clamp, Spring S/S, for 3000ml Flask, with Spring Retainer |
| P7019 | Universal Tray for ZWY-322B/3222B | P8009 | Clamp, Spring S/S, for 5000ml Flask, with Spring Retainer |
| P7020 | Universal Tray for ZWY-322C/B3222 | P8010 | Tube Rack S/S※ |
| P7022 | Universal Tray for All Horizontal Model, 1/2 Pcs | P8011 | Tube Rack ABS Plastic |
| P8001 | Clamp, S/S, for 50ml Flask, with Spring Retainer | P8012 | Clamp for 96 Well Plate, S/S |
| P8002 | Clamp, S/S, for 100ml Flask, with Spring Retainer | # Stl S/C: Spray Coated Steel | ※ S/S: Stainless Steel |

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