

Benchtop Shakers



ZWY-304



ZWF-334



ZWQ-344

Overview:

Shakers and rockers are ideal for almost any vessels from tubes through petri dishes and microtitre plates to conical flasks. Shakers are available with either an orbital action where the platform moves in a circular orbit or a reciprocal linear movement where the platform moves back and forth horizontally. An orbital action provides a swirling action on the sample, ideal for aeration. A linear shaker is more aggressive making it ideal for applications such as extractions. A see saw rocking action provides a wave motion in the sample, ideal for washing.

Benchtop Orbital Shaker

The ZWY-304 provides a smooth uniform circular motion with an orbit of 30mm. The shaker can be used in incubators and warm room if the temperature is not higher than 50°C.

The standard cradle platform can turn ZWY-304 unit into a very effective mini platform shaker, which allows for different combinations of vessels offering maximum versatility. Alternatively, the tray is interchangeable with flask clamp tray (ZWF-334) or non-slip mat tray (ZWQ-344). Speed is variable from 30 to 300rpm, with shaking times can be set to run from 0-500hours, or set for continuous operation. The non-volatile memory restores all settings after power failure.

Benchtop Reciprocal Shaker

The ZWF-334 lab scale platform shaker has a powerful yet quiet shaking mechanism that has been designed for problem free continuous use. This unit provides a versatile linear shaking action with unique 4 level stroke adjustment from 20, 24, 30 to 40mm, ideal for most extracting applications.

Speed is fully variable from 30-300rpm, and is set digitally for consistency. The speed is microprocessor controlled and accurately maintained even over long runs. The built-in timer can be set from 0-500hours. After the timer has counted down, the shaker stops and sounds an alert. The flask clamp tray is fitted as standard, while can be interchanged with non-slip mat tray or cradle platform.

Benchtop See Saw Rocker

ZWQ-344 has a see-saw rocking action that creates a wave motion within vessels such as culture flask, petri dishes etc. one unique feature of this unit is ZWQ-344 provides 4 level of tilt angles from 5° , 8° , 10° and 12° , ideal for washing.

The speed is microprocessor controlled, variable from 20-80rpm. The model is supplied with a non-slip mat. The large LCD screen with user-friendly digital keypad ensures clear readout and easy operation. Like all other benchtop shakers, all settings of speed and time are encrypted to prevent unauthorized changes.

Specifications:

| Model | ZWY-304 | ZWF- 334 | ZWQ- 344 |
|---------------------------------|---|-----------------------|------------------------|
| Action Mode | Orbital | Reciprocal | Rocker |
| Speed Range (/min) | 30-300 rounds | 30-300 strokes | 20-80 tilts |
| Speed Variation (/min) | ±1 round | ±1 stroke | ±1 tilt |
| Stroke | Ø30 mm | 20, 24, 30, 40 mm | 5°, 8°, 10°, 12° |
| Tray Dimensions (mm) | 330x350 | 330x350 | 330x350 |
| Accessory Included | Rubber Bar Tray OR Clamp Tray | | Tray with non-slip mat |
| Timer | 1 minute to 500 hours | 1 minute to 500 hours | 1 minute to 500 hours |
| Maximum Load (kg) | 3.5 | 3.5 | 4 |
| Overall Dimensions (mm) (WxDxH) | 400x350x235 | 400x350x160 | 400x360x185 |
| Packing Dimensions (mm) (WxDxH) | 490x490x420 | 490x490x400 | 490x490x365 |
| Net / Gross Weight (kg) | 25/37 | 14/26 | 10/20 |
| Safety Features | Non-volatile Memory, Power-off Recovery, Timer, | | |
| Power (W) | 50 | | |
| Electricity | 220-240V 50/60 Hz | | |
| Approval | CE, ISO | | |

| Clamp Tray | 50ml | 100ml | 250ml | 500ml | 750ml | 1000ml | 2000ml | 3000ml | 5000ml | P8010 | P8012 |
|------------|------|-------|-------|-------|-------|--------|--------|--------|--------|-------|-------|
| P6016 | 24 | 17 | 9 | 7 | - | - | - | - | - | 3 | 6 |

Ordering Information:

| Part NO. | Description | Part NO. | Description |
|----------|--|----------|---|
| ZWY-304 | ZWY-304 Orbital Benchtop Shaker, 30-300rpm | P8014 | T Clamp, S/S, for 300ml Flask, with Spring Retainer |
| ZWF-334 | ZWF-334 Reciprocal Benchtop Shaker, 30-300rpm | P8004 | T Clamp, S/S, for 500ml Flask, with Spring Retainer |
| ZWQ-344 | ZWQ-344 Rocking Benchtop Shaker, 20-80 tpm | P8005 | T Clamp, S/S, for 750ml Flask, with Spring Retainer |
| P6016* | Tray for ZWY-304/ZWF-334, S/S✳️ Clamp Tray | P8006 | T Clamp, S/S, for 1000ml Flask, with Spring Retainer |
| P6017 | Tray for ZWY-304/ZWF-334, S/S Bar Trayx1, Rubber Barx4, Knobx8 | P8007 | T Clamp, Spring S/S, for 2000ml Flask, with Spring Retainer |
| P6018 | Tray for ZWQ-344, Stl S/C# Trayx1, Springx4, Rubber Matx1 | P8008 | T Clamp, Spring S/S, for 3000ml Flask, with Spring Retainer |
| P7017 | Universal Spring Tray for ZWY-304/ZWF-334 | P8009 | T Clamp, Spring S/S, for 5000ml Flask, with Spring Retainer |
| P8001 | T Clamp, S/S, for 50ml Flask, with Spring Retainer | P8010 | Tube Rack S/S |
| P8002 | T Clamp, S/S, for 100ml Flask, with Spring Retainer | P8011 | Tube Rack ABS Plastic |
| P8013 | T Clamp, S/S, for 150ml Flask, with Spring Retainer | P8012 | Clamp for 96 Well Plate, S/S |
| P8003 | T Clamp, S/S, for 250ml Flask, with Spring Retainer | P8017 | Sticky Mat, 20 x 20cm |



P7017



P8010



P8017



P8012