

Premium Horizontal Shaking Incubators



ZWYR-211D



ZWYR-211C

Description:

These new premium horizontal floor shaking incubators are developed for the modern biological engineering departments; large capacity of smaller size flasks, or for large volume flasks up to of 5L. The units are widely used in applications of germ culture, fermentation, hybridization, biochemical research, enzyme and cellular tissues.

Features:

- 4.3" LCD 480x272 touch screen panel clearly indicates all parameters in one page display and makes it easy to change the operating parameters settings, even those multi set points under programmable mode intuitively.
- P.I.D microprocessor controller provides unmatched versatility by enable users to create personalized program (with up to 9 segments, with cycling) to automate changes to function parameters.
- Large double fold tempered glass window and fluorescent light provide complete visibility of chamber interior.
- ZWYR-211D is equipped with foot pedal for lid opening even when carrying full loads in both hands.
- Inner chamber with coved corners of high graded #304 electro polished stainless steel features excellent durability as well as ease of cleaning
- Robust triple eccentric counterbalanced drive in cast iron housing provides vibration and trouble free operation with high shaking speed up to 300rpm.
- Quality brushless AC inductive motor supports reliable, quiet and smooth shaking movements up to top speed.
- Non-volatile memory saves settings during a power outage and automatically restarts the unit after power is restored.
- Audible and visual alarms on over temperature and motor overheating, and automatically cut off the power.
- Soft start and smooth acceleration when lid is closed after short opens.
- For data recording, the units are equipped with a built-in thermo printer as standard, so that operators could check how the performance parameters vary according to specified process without having to be on site.
- Timer up to 9999 mins under fixed value control mode.
- Predrilled standard tray included, without clamps.



ZWFR-211



Forced Air
Convection



| Flask (ml) | 50ml | 100ml | 250ml | 500ml | 750ml | 1000ml | 2000ml | 3000ml | 5000ml |
|------------|------|-------|-------|-------|-------|--------|--------|--------|--------|
| ZWYR-211C | 66 | 66 | 41 | 28 | 24 | 15 | 11 | 8 | 6 |
| ZWYR-211D | 77 | 77 | 54 | 36 | 26 | 18 | 15 | 8 | 6 |
| ZWFR-211 | 66 | 66 | 45 | 28 | 24 | 15 | 8 | 8 | - |

Specifications:

| Model | ZWYR-211C | ZWYR-211D | ZWFR-211 |
|----------------------------------|--|---------------|--------------------------|
| Control | P.I.D Microprocessor | | |
| Control Mode | Fix Value or Program (up to 9 Segments) | | |
| Control Panel | 4.3" LCD Touch Screen | | |
| Lid Opening Mode | Hand Hold | Foot Pedal | Hand Hold |
| Volume (L) | 260 | 300 | 275 |
| Working Temperature(°C) | 5-25 | | |
| Shaking Speed (rpm) | 30-300 | | 30-240 |
| Stroke (mm) | Ø26 | | 1-50 Stepless Adjustment |
| Shaking Mode | Orbital | | Reciprocal |
| Tray (mm) (WxD) | 920x500 | 940x584 | 896x530 |
| Temperature Range (°C) | 4-60 | | |
| Temperature Accuracy (°C) | 0.1 | | |
| Temperature Uniformity (°C) | ±1°C@37°C | | |
| Timer | 1 to 9999 mins | | |
| Inner Dimensions (mm) (WxDxH) | 975x565x465 | 1040x655x465 | 975x565x465 |
| Exterior Dimensions (mm) (WxDxH) | 1230x730x1065 | 1290x820x1065 | 1230x730x1065 |
| Packing Dimensions (mm) (WxDxH) | 1300x800x1225 | 1360x910x1225 | 1300x800x1225 |
| Net/Gross Weight (kg) | 183/228 | 263/313 | 213/252 |
| Power (W) | 1150 | 1800 | 1150 |
| Electricity | 220-240V 50/60 Hz | | |
| Approval | CE, ISO | | |
| Security | Over-temperature Protection, Compressor Overload Protection, Electrical Leakage Protection | | |
| Additional | Built-in Printer, RS485 COM Kit (Option) | | |

Ordering Information:

| Part NO. | Description | Part NO. | Description |
|------------------------|---|----------|---|
| ZWYR-211C | ZWYR-211C, 260L, Premium Horizontal Shaking Incubator 4-60, 30-300rpm | P8013 | T Clamp, S/S, for 150ml Flask, with Spring Retainer |
| ZWYR-211D | ZWYR-211D, 300L, Premium Horizontal Shaking Incubator 4-60, 30-300rpm | P8003 | T Clamp, S/S, for 250ml Flask, with Spring Retainer |
| ZWFR-211 | ZWFR-211, 275L, Premium Reciprocal Horizontal Shaking Incubator 4-60, 30-240rpm | P8014 | T Clamp, S/S, for 300ml Flask, with Spring Retainer |
| P6006 | Tray for ZWY-111B/211B/111C/211C/ZWYR-211C, S/S ※ | P8004 | T Clamp, S/S, for 500ml Flask, with Spring Retainer |
| P6007 | Tray for ZWYR-211D, S/S | P8005 | T Clamp, S/S, for 750ml Flask, with Spring Retainer |
| P6008 | Tray for ZWF-111/211/ZWFR-211, S/S | P8006 | T Clamp, S/S, for 1000ml Flask, with Spring Retainer |
| P7007 | Universal Tray for ZWY-111B/211B/111C/211C/ZWYR-211C, Ful Pcs | P8007 | T Clamp, Spring S/S, for 2000ml Flask, with Spring Retainer |
| P7008 | Universal Tray for ZWYR-211D, Ful Pcs | P8008 | T Clamp, Spring S/S, for 3000ml Flask, with Spring Retainer |
| P7009 | Universal Tray for ZWF-111/211, ZWFR-211, Ful Pcs | P8009 | T Clamp, Spring S/S, for 5000ml Flask, with Spring Retainer |
| P7022 | Universal Tray for All Horizontal Model, 1/2 Pcs | P8010 | Tube Rack S/S |
| P8001 | T Clamp, S/S, for 50ml Flask, with Spring Retainer | P8011 | Tube Rack ABS Plastic |
| P8002 | T Clamp, S/S, for 100ml Flask, with Spring Retainer | P8012 | Clamp for 96 Well Plate, S/S |
| ※ S/S: Stainless Steel | | P8017 | Sticky Mat, 20 x 20cm |

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