



ZWYR-2102C



ZWYR-2102

ZWYR-2112B



PREMIUM DOUBLE LAYER Shaking Incubators

These new double layer shaking incubators in a class of their own, are specially developed a cost effective and space saving solution for the modern biological engineering departments; the units are widely used in the applications of germ culture, hybridization, biochemical research, enzyme and cellular tissues.

These incubators have a smooth compact design, which are very efficient and have an excellent floor space/performance factor. The double layer shaking frame supports two trays above each other, doubles the capacity for smaller flasks, while after removing the top tray (Shaking frame upgrade required).

- ▶ 4.3"/5.6" LCD 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 on the front doors together with the fluorescent light provide complete visibility of chamber interior.
- ▶ Mirror-finished high quality #304 stainless steel for excellent durability of interiors.
- ▶ Non-volatile memory for set point retention after power interruption.
- ▶ Robust triple eccentric counterbalanced drive in cast iron housing provides vibration and trouble free operation with high shaking speed up to 300rpm even when both layers are fully loaded.
- ▶ UV light reduces the air burden, keeping the chamber contamination free.
- ▶ Quality brushless AC inductive motor supports reliable, quiet and smooth shaking movements up to top speed even when fully loaded with 90 pieces of 250ml flasks (ZWYR-2112B, ZWFR-2112).
- ▶ 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 doors are closed after short opens.
- ▶ Dedicated single layer shaking frame is available for the ease of using large flasks.
- ▶ 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.



Capacity	50ml	100ml	250ml	500ml	750ml	1000ml	2000ml	3000ml	5000ml	Tube Rack S/S	96 Well Plate
ZWYR-2102C	56	56	28	22	18	6*	3*	2*	2*	4	9
ZWYR-2102	104	104	56	44	30	24	7*	6*	4*	8	19
ZWYR-2112B	164	164	90	74	52	36	13*	8*	6*	12	30
ZWFR-2112	164	164	90	76	48	44	12*	8*	6*	12	30

* Applies only when single layer shaking frame is equipped.

* Glass dimensions may reduce max. capacity

Model	ZWYR-2102C	ZWYR-2102	ZWYR-2112B	ZWFR-2112
Control	P.I.D Microprocessor			
Control Mode	Fix Value or Program (up to 9 Segments)			
Control Panel	LCD Touch Screen			
Volume (L)	170	330	580	580
Working Temperature (°C)	5-25			
Shaking Speed (rpm)	30-300			30-240
Stroke (mm)	26		35	1 to 50 Stepless Adjustment
Shaking Mode	Orbital			Reciprocal
Temperature (°C)	4 to 60			
Temperature Accuracy	±0.1°C			
Temperature Uniformity	±1°C @ 37°C			
Timer	1 to 9999 mins			
Tray (mm) (WxD)	496x350	734x458	970x560	940x580
Inner dimensions (mm) (WxDxH)	615x450x640	845x530x765	1105x850x664	1105x850x664
Exterior dimensions (mm) (WxDxH)	720x685x1310	950x755x1445	1430x880x1700	1430x880x1700
Packing dimensions (mm) (WxDxH)	800x720x1490	1020x825x1605	1500x950x1860	1500x950x1860
Net/Gross Weight (kg)	195/238	235/272	456/536	486/562
Power (W)	1000	1050	1600	1600
Electricity	220-240V 50/60 Hz			
Approval	CE, ISO			
Security	Over-temperature Protection, Compressor Overload Protection, Electrical Leakage Protection			
Additional	UV light, Built-in Printer, RS485 COM Kit (Option)			

Order Information

ZWYR-2102C	ZWYR-2102C, 170L, Premium Double Layer Shaking Incubator 4-60, 30-300rpm
ZWYR-2102	ZWYR-2102, 330L, Premium Double Layer Shaking Incubator 4-60, 30-300rpm
ZWYR-2112B	ZWYR-2112B, 580L, Premium Double Layer Shaking Incubator 4-60, 30-300rpm
ZWFR-2112	ZWFR-2112, 580L, Premium Reciprocal Double Layer Shaking Incubator 4-60, 30-240rpm



Order Information

P5001	Single Layer Shaking Frame for ZWY-1102C/2102C, ZWYR-2102C, Stl S/C
P5002	Single Layer Shaking Frame for ZWY-1102/2102, ZWYR-2102C, Stl S/C
P5003	Single Layer Shaking Frame for ZWY-1112B/2112B, ZWYR-2112B, Stl S/C
P6010	Tray for ZWY-1102C/2102C/ZWYR-2102C, S/S *
P6011	Tray for ZWY-1102/2102/ZWYR-2102, S/S
P6012	Tray for ZWY-1112B/2112B/ZWYR-2112B, S/S
P6013	Tray for ZWF-1112/2112/ZWFR-2112, S/S
P7011	Universal Tray for ZWY-1102C/2102C/ZWYR-2102C
P7012	Universal Tray for ZWY-1102/2102/ZWYR-2102, Ful Pcs
P7013	Universal Tray for ZWY-1112B/2112B/ZWYR-2112B, Ful Pcs
P7014	Universal Tray for ZWF-1112/2112/ZWFR-2112, Ful Pcs
P7023	Universal Tray for All Double Layer Model, 1/2 Pcs
	* S/S: Stainless Steel
P8001	T Clamp, S/S, for 50ml Flask, with Spring Retainer
P8002	T Clamp, S/S, for 100ml Flask, with Spring Retainer
P8013	T Clamp, S/S, for 150ml Flask, with Spring Retainer
P8003	T Clamp, S/S, for 250ml Flask, with Spring Retainer
P8014	T Clamp, S/S, for 300ml Flask, with Spring Retainer
P8004	T Clamp, S/S, for 500ml Flask, with Spring Retainer
P8005	T Clamp, S/S, for 750ml Flask, with Spring Retainer
P8006	T Clamp, S/S, for 1000ml Flask, with Spring Retainer
P8007	T Clamp, Spring S/S, for 2000ml Flask, with Spring Retainer
P8008	T Clamp, Spring S/S, for 3000ml Flask, with Spring Retainer
P8009	T Clamp, Spring S/S, for 5000ml Flask, with Spring Retainer
P8010	Tube Rack S/S
P8011	Tube Rack ABS Plastic
P8012	Clamp for 96 Well MicroPlate, S/S
P8017	Sticky Mat, 20 x 20cm

