



Economic Double Layer Shaking Incubators LABWIT®



ZWY-2102C




ZWY-2112B

Description:

These LABWIT double layer shaking incubators are specially developed for the modern biological engineering departments; a big capacity of flasks but with small footprint.

These incubators have a smooth compact design. They are very efficient and have an excellent floor space/performance factor. Two trays above each other, double the capacity for smaller flasks, while after removing the top tray, big flasks can also be used on the bottom tray (Shaking frame upgrade required). These unit are particularly ideal for fermentation and pharmacy experiments. While they are also widely used where a big amount of liquid needed to be mixed at with constant temperature.

Features:

- Microprocessor controller with audible and visual alarms maintains precise temperature and speed control.
- Users friendly control panel allows easy digital setting of time, temperature and speed.
- Large LCD display presents all actual and preset parameters.
- Electronic timer, from 0 – 500 hours, automatic stop, audio/ visual alarm.
- Password protection against unauthorized change of parameters.
- Audible and visual alarms for over-temperature and set point deviations.
- Non-volatile memory for set point retention after a power interruption.
- Large double-fold tempered glass window, together with fluorescent lights provides complete visibility of chamber interior.
- Auto-defrosting system, ensuring long-terms non-frosting operation with low temperature setpoint
- “Long-Life” brushless AC motor creates a smooth, quiet and uniformed shaking motion.
- Mirror-finished high quality #304 stainless steel for excellent durability of interiors.
- Standard shaking frame and standard stainless steel tray included, but without clamps.
- Vertical double trays for big capacity, though small footprint.
- Lockable outer door (on ZWY-1112B/2112B. ZWF-1112/2112) protects the materials against unauthorized access at all times.
-  **New** UV light reduces the air burden, keeping the chamber contamination free.



Double Layer Shaking Frame

Flask (ml)	50ml	100ml	250ml	500ml	750ml	1000ml	2000ml	3000ml	5000ml	P8010	P8012
ZWY-1102C/2102C	78	56	36	24	18	6*	4*	3*	2*	4	9
ZWY-1102/2102	118	104	64	54	30	30	8*	7*	4*	8	19
ZWY-1112B/2112B	262	200	110	76	52	44	15*	10*	8*	11	30
ZWF-1112/2112	252	190	98	80	48	40	15*	10*	7*	10	32

* Applies only when single layer shaking frame is equipped.

Specifications:

Model	ZWY-1102C	ZWY-2102C	ZWY-1102	ZWY-2102	ZWY-1112B	ZWY-2112B	ZWF-1112	ZWF-2112
Volume (L)	170		330		580		580	
Shaking Mode	Orbital		Orbital		Orbital		Reciprocal	
Temperature (°C)	A +5 to 60	4 to 60	A +5 to 60	4 to 60	A +5 to	4 to 60	A +5 to	4 to 60
Temperature Accuracy	±0.1°C							
Temperature Uniformity	±1°C@37°C							
Stroke (mm)	26		26		35		1 to 50 Stepless Adjustment	
Speed (rpm)	30-300		30-300		30-300		30-240	
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)	800x770x1490		1030x870x1640		1500x950x1860		1500x950x1860	
Net/Gross Weight (kg)	150/175	165/190	235/305	255/320	445/555	460/570	470/580	486/596
Power (W)	1000	1250	1050	1300	1600	1950	1600	1950
Electricity	220-240V 50/60 Hz							
Approval	CE, ISO							

Ordering Information:

Part NO.	Description
ZWY-1102C	ZWY-1102C, 170L, Economic Double Layer Shaking Incubator A+5-60, 30-300rpm
ZWY-2102C	ZWY-2102C, 170L, Economic Double Layer Shaking Incubator 4-60, 30-300rpm
ZWY-1102	ZWY-1102, 330L, Economic Double Layer Shaking Incubator A+5-60, 30-300rpm
ZWY-2102	ZWY-2102, 330L, Economic Double Layer Shaking Incubator 4-60, 30-300rpm
ZWY-1112B	ZWY-1112B, 580L, Economic Double Layer Shaking Incubator A+5-60, 30-300rpm
ZWY-2112B	ZWY-2112B, 580L, Economic Double Layer Shaking Incubator 4-60, 30-300rpm
ZWF-1112	ZWF-1112, 580L, Economic Reciprocal Double Layer Shaking Incubator A+5-60, 30-240rpm
ZWF-2112	ZWF-2112, 580L, Economic Reciprocal Double Layer Shaking Incubator 4-60, 30-240rpm

Part NO.	Description	Part NO.	Description
P5001	Frame for ZWY-1102C/2102C, ZWYR-2102C, Stl S/C #	P8002	T Clamp, S/S, for 100ml Flask, with Spring Retainer
P5002	Frame for ZWY-1102/2102, ZWYR-2102, S/C	P8013	T Clamp, S/S, for 150ml Flask, with Spring Retainer
P5003	Frame for ZWY-1112B/2112B, ZWYR-2112B, Stl S/C	P8003	T Clamp, S/S, for 250ml Flask, with Spring Retainer
P6010	Tray for ZWY-1102C/2102C, ZWYR-2102C, S/S※	P8014	T Clamp, S/S, for 300ml Flask, with Spring Retainer
P6011	Tray for ZWY-1102/2102, ZWYR-2102, S/S	P8004	T Clamp, S/S, for 500ml Flask, with Spring Retainer
P6012	Tray for ZWY-1112B/2112B, ZWYR-2112B, S/S	P8005	T Clamp, S/S, for 750ml Flask, with Spring Retainer
P6013	Tray for ZWF-1112/2112, ZWFR-2112, S/S	P8006	T Clamp, S/S, for 1000ml Flask, with Spring Retainer
P7011	Universal Tray for ZWY-1102C/2102C, ZWYR-2102C	P8007	T Clamp, Spring S/S, for 2000ml Flask, with Spring Retainer
P7012	Universal Tray for ZWY-1102/2102, ZWYR-2102, Ful Pcs	P8008	T Clamp, Spring S/S, for 3000ml Flask, with Spring Retainer
P7013	Universal Tray for ZWY-1112B/2112B, ZWYR-2112B, Ful Pcs	P8009	T Clamp, Spring S/S, for 5000ml Flask, with Spring Retainer
P7014	Universal Tray for ZWF-1112/2112, ZWFR-2112, Ful Pcs	P8010	Tube Rack S/S
P7023	Universal Tray for All Double Layer Model, 1/2 Pcs	P8011	Tube Rack ABS Plastic
P8001	T Clamp, S/S, for 50ml Flask, with Spring Retainer	P8012	Clamp for 96 Well MicroPlate, S/S
# Stl S/C: Spray Coated Steel, ※ S/S: Stainless Steel		P8017	Sticky Mat, 20 x 20cm