



TU-400

The model TU-400 series is a small non refrigerated bench top style Incubator with an orbital shaking plate that can take flasks from 50ml to 2 Litre. Temperature range of 5°C above ambient to 70°C, speed range 20-250 RPM or 30-400 RPM. Space saving with transparent window in the front which provide good visibility that minimize the need to open the chamber, automatic cutout of shaker when lid is open to protect operator. Hydraulic lid opening control. Platform 300 x 400mm or 450 x 450mm accept flasks up to 2 litre, test tubes rack and gel trays. Areas of application: cultivation of cell and tissue cultures or microorganisms. Production of secondary natural substances and biogenetic pharmaceutic etc.

ORDER CODE	TU-400	TU-453	TU-454
SHAKING SYSTEM	Orbital		
TEMP RANGE	Room Temp. +5°C to 60°C		
TEMP STABILITY AND UNIFORMITY	±1°C at 37°C		
SHAKING PLATE (WxDmm)	400x300	450x450	450x450
SHAKING RATE	20 to 250 RPM	30 to 300RPM	30 to 400RPM
REFRIGERATION	None		
HEATING	400W	500W	
TEMP CONTROL	Digital solid state PID		
DIMS INT (HxWxD mm)	260x450x380	430x510x540	430x510x540
DIMS EXT (HxWxD mm)	430x460x490	500x520x650	500x520x650
VOLUME	55L	150L	
SHELF	None	None	None
WEIGHT	20		
ELECTRICAL	240V 3.5A	240V 8.5A	

MODEL / FLASK HOLDERS	TFH-50	TFH-125	TFH-250	TFH-500	TFH-1L	TFH-2L
CAPACITY	50 ml	125 ml	250 ml	500 ml	1 litre	2 litre
TU-400	35	20	12	6	4	-
TU-453/454	64	36	25	16	9	5



ZHWY-100B

Uniquely designed orbit and eccentric wheel driving technology.  
 Oscillation speed can be adjusted to extend from 30 to 400 rpm.  
 PID controller and intelligent audio and visual alarm.  
 Large LCD screen clearly indicates the preset and real parameters.  
 The operating parameter is locked by encryption which prevents misoperation.  
 AC inductive long life motor design, broad speed regulation, constant torque, constant speed of rotation, no carbon brush and maintenance free.  
 Over temperature audio and visual alarm function can automatically cut off the power when abnormal temperature occurs.  
 Provided with power-off recovery function, the equipment can automatically recover to run according to the originally designed programs.  
 Smooth start and acceleration ensures the security of the samples.  
 Large toughened glass window.

Model	ZHWY-100B (non-refrig)	ZHWY-200B (refrig)
Control Mode	PID Control	
Display	LCD	
Convection	Forced Convection	
Oscillation Mode	Revolution	
Drive Mode	Orbit Drive	
Ambient Temp.	5°C ~ 25°C	
Temp. Range	Ambient +5°C to 60°C	+4°C to 60°C
Temp. Precision	±0.1	
Temp. Uniformity	±1	
Speed Range	30 ~ 300 rpm	
Oscillation Amplitude	24, 32, 38, 50 mm dia adjustable	
Time Range	0 ~ 500 hours	
Tray Dims	340x370	400x370
Tray Piece	1	
Weight	72 kg	100 kg
Ext. Dims.	600x580x510 mm	730x685x555 mm
Power	540 W	700 W

Vessel Configuration Model	ZHWY-100B	ZHWY-200B
	max	max
Conical Flask (50 ml)	30	42
Conical Flask (100 ml)	16	20
Conical Flask (250 ml)	16	20
Conical Flask (500 ml)	9	9
Conical Flask (750 ml)	5	7
Conical Flask (1000 ml)	4	5
Test Tube Rack (15 mm)	-	-
Test Tube Rack (18 mm)	104	120
Test Tube Rack (22 mm)	-	-
Universal Spring Palette	Available	Available