

BioGrowth Series Vertical Incubator Shaker

Introduction

The vertical incubator shaker is a device using a motor-driven platform to oscillate and provide a suitable growth environment for microorganisms, cells, tissues, etc. It is widely used in biology, medicine, agriculture, environmental science and other fields.

Features

1. Streamline aesthetic appearance design, mold manufacturing process, simple and generous LCD large screen display, multi-parameter display and monitoring, convenient human-computer interaction
2. Single-axis five-dimensional dynamic balance drive technology, no mechanical friction loss, low noise, stability and long life
3. Hollow double-layer safety tempered glass door, good thermal insulation performance and observation of internal shaking bottle
4. Selected core components with stable and reliable quality, such as imported compressors, imported double-row bearings, cast iron movement
5. Three-dimensional circulation air duct design, forced convection, temperature uniformity can reach $\pm 1^{\circ}\text{C}$
6. Optional active humidification, light cultivation, 3Q verification
7. Provide users with multiple protection functions:

The personnel protection function adopts leakage and overcurrent detection technology. Once an abnormal situation such as leakage or overcurrent is detected, the system will automatically cut off the power supply immediately

The sample protection function is equipped with a highly sensitive speed monitoring system. Once the speed is detected to be out of control, the system will sound an alarm and automatically stop working to avoid sample damage or experimental failure.



BG-VT-180



BG-VT-365



BG-VT-600A

Specifications

Model	BG-VT-180	BG-VT-365	BG-VT-600A	BG-VT-600B	
Door opening method	Front-opening door		Front-opening double door		
Temperature control	Temperature range	4~60 ℃ (Ambient temperature-15 ℃, minimum 4 ℃)			
	Temperature accuracy	±0.1 ℃			
	Temperature uniformity	≤± 1.0 ℃ (@37 ℃)			
	Ambient temperature range	5~35 ℃			
	Temperature editing	Repeat/Pace/8-segment curve editing			
Rotation control	Rotation way	Rotary switchable			
	Rotation speed	30~300 rpm			
	Rotation accuracy	±1 rpm			
	Throw	25mm	25mm	35mm	50mm
	Timing range	0~999.59H			
Dimension	Volume	180 liters	365 liters	624 liters	
	Exterior dimensions (w×d×h)	700×580×1340mm	1000×730×1480mm	1240×836×1500mm	
	Interior dimensions (w×d×h)	600×440×680mm	860×590×720mm	1100×705×805mm	
	Internal usable height	255mm (layer 1 to 2), 295mm (layer 2 to top)	315mm (layer 1 to 2), 300mm (layer 2 to top)	327mm (layer 1 to 2), 365mm (layer 2 to top)	
	Tray size (w×d)	485mm×348mm	750mm×468mm	928mm×530mm	
	Tray quantity	2	2	2	
Maximum loading capacity	1000ml×14, 500ml×24, 250ml×32, 100ml×54, 50ml×78	1000ml×30, 500ml×56, 250ml×84, 100ml×120, 50ml×158	2000ml×32, 1000ml×48, 500ml×80, 250ml×120, 100ml×180, 50ml×264		
Display	LCD display				
Control	P.I.D microcomputer				
Circulation	Forced circulation convection				
Drive mode	Single axis balanced drive				
Tray/chamber material/ Flask clamp	Stainless steel type 304				
Decontamination method	UV sterilization				
Illumination lamp	8W	8W×2	8W×2		
UV lamp	8W	8W×2	8W×2		
Motor power	High quality servo motor				
Bearings	Original imported double row bearings				
Compressor	Variable frequency compressor				
Heating power	600W	1000W	1100W		
Cooling power	334W	334W	334W		
Motor power	130W	250W	250W		
Machine power	1166W	1754W	1885W		
Net weight	196KGS	340KGS	440KGS		
Power supply	220V±10%, 50/60Hz				
Clamp types	Stainless steel flask clamp, plastic clamp, spring, test tube rack, sticky plate, ELISA plate,etc				