

BioGrowth Series Compact Stackable Incubator Shaker

Introduction

It is used in bacterial culture, fermentation, hybridization, biochemical reactions, enzyme and tissue research , etc. And it has a wide range of applications in medicine, biology, molecular science, pharmaceuticals, food, environmental protection, etc.

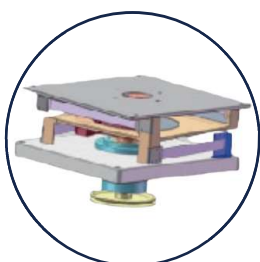


BG-ST-120

Features

1. Streamline aesthetic appearance, mold manufacturing process, simple and generous
2. Seven-inch color touch screen display, multi-parameter display and monitoring, convenient human-computer interaction
3. Flexible placement, can be double-layer or triple-layer stacked, effectively saving lab space
4. Hollow double-layer safety tempered glass door, good thermal insulation performance, good observation of internal samples
5. Single-axis five-dimensional dynamic balance drive technology, with no mechanical friction loss, low noise, low energy consumption, high stability and long service life
6. Selected core components with stable and reliable quality, such as servo motors, variable frequency compressors, imported double-row bearings, ductile iron material movement
7. Optional active humidification, light culture, high-speed oscillation, light-shielding culture, sticky shake plate, remote communication monitoring, gas introduction, 3Q verification and embedded built-in micro printer

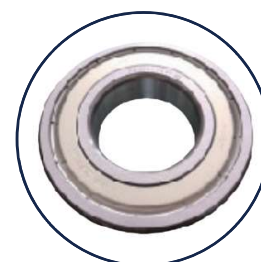
Core components



Single-axis five-dimensional drive



Servo motor



Imported double-row bearings

Specifications

Model		BG-ST-120
Door opening method		Single-layer front-opening door
Temperature control	Temperature range	4~60℃ (Ambient temperature-18℃, minimum 4℃)
	Temperature accuracy	±0.1℃
	Temperature uniformity	±0.5℃ (@37℃)
	Ambient temperature range	5~35℃
	Temperature editing	5 groups/30 segments of curve editing
Rotation control	Rotation way	Rotary/reciprocating switchable
	Rotation speed	0~300 rpm
	Rotation accuracy	±1 rpm
	Throw	25mm (50mm or 0~50mm adjustable)
	Timing range	0~9999H/0~9999min
Dimension	Volume	122 liters
	Exterior dimensions (w×d×h)	910mm×740mm×640mm
	Interior dimensions (w×d×h)	605mm×505mm×400mm
	Internal usable height	380mm
	Tray size (w×d)	542mm×445mm
Maximum loading capacity		3000ml×5, 2000ml×6, 1000ml×12, 500ml×20, 250ml×30
Display		7-inch color touch screen
Control		P.I.D microcomputer
Circulation		Forced circulation convection
Drive mode		Single axis balanced drive
HEPA filter		0.2um in-line filter
Tray material		High-quality aluminum alloy, oxidized surface treatment
Flask clamp		Stainless steel type 304
Chamber material		Stainless steel type 304
Decontamination method		UV sterilization
Illumination lamp		8W
UV lamp		8W
Motor power		High quality servo motor
Bearings		Original imported double row bearings
Compressor		Variable frequency compressor
Heating power		800W
Cooling power		150W
Motor power		150W
Stackable quantity		1 layer / 2 layers / 3 layers
Power supply		220V±10%, 50/60Hz
Net weight		214KGS
Clamp types		Shake flask, spring, test tube rack, sticky plate, ELISA plate