

Large Capacity Vertical Type Shaking Incubator
(Double Door & Double Layer)



Clamp Specifications for Shaking Incubator:



Upper layer: universal spring clamp,
lower layer: universal spring clamp



Upper layer: clamp rod shaking plate,
lower layer: clamp flask



Upper layer: tube rack,
lower layer: clamp flask

Introduction:

Vertical dual-door dual-control shaking incubator(Also known as an oscillator or constant temperature shaker) integrates an incubator and shaker into one unit. It is typically placed on the floor for mixing and culturing samples. The front-opening design provides greater operational flexibility compared to top-lift shakers. It meets the demands of modern laboratories with increasing sample volumes and supports large-scale production in bioengineering.

Features:

- * Exterior material is powder-coated carbon steel, interior material is stainless steel.
- * The unique airflow duct design ensures superior temperature uniformity within the chamber, enabling more accurate temperature sensor data acquisition.
- * The temperature is controlled by a 'Super Fuzzy PID' system, featuring smaller overshoot, faster stabilization time, and better temperature control accuracy.
- * Features a brushless DC motor with PWM speed control. The acceleration control circuit ensures gentle startup, smooth acceleration, and safe handling of experimental samples.

- * Three-dimensional biased three-wheel drive mechanism provides exceptionally smooth, stable, durable, and reliable operation.
- * The outer door utilizes insulated tempered electric heating glass that effectively prevents glass fogging and condensation around the door frame.
- * Our proprietary silicone sealing strip, made from eco-friendly silicone material, provides superior contact with the chamber surface for enhanced sealing and improved thermal insulation performance.
- * The motor rotation direction can be set to forward, reverse, or alternating forward/reverse.

Technical Parameters:

Model	BJPX-SL220-LII
Capacity	456L
Temperature Control Range	4~60℃
Temperature Control Accuracy	0.1℃
Temperature Uniformity	≤±1℃(@37℃)
Temperature Fluctuation	≤±0.5℃
Ambient Temperature	15~35℃
Timing Range	0~9999min/h
Control Mode	PID microcomputer control
Display	LCD display
Circulation Mode	Forced convection
Oscillation Mode	Rotary shaking
Speed Range	30~300rpm
Speed Accuracy	±1rpm
Swing Amplitude of The Plate	φ26mm
Refrigerant	R290/150g
Standard Capacity	Capacity per column: Upper layer: 100ml*25/250ml*20(Default shipping configuration)/500ml*12/1000ml*9/2000ml*4 Lower layer: universal spring clamps
Max. Capacity	Upper layer: Clamp flask: 100ml*78/250ml*46/500ml*30/1000ml*18/2000ml*8 96-well plate*24 Clamp rod shaking plate*2 Lower layer: Clamp flask: 100ml*60/250ml*40/500ml*24/1000ml*18/2000ml*8 Tube rack*8 96-well plate*24 Clamp rod shaking plate*2
Defrost Function	Automatic defrosting
Consumption	2000W
Power Supply	AC 220V, 50Hz(Standard); 110V, 60Hz(Optional, external transformer)
Shelf	503*463mm*4
Standard Accessory	UV light*2, LED light*2
Optional Accessory	Printer, USB interface
Internal Size(W*D*H)	558*504*813mm(Per column)
External Size(W*D*H)	1303*784*1621mm
Package Size(W*D*H)	1450*980*1750mm
Net Weight	506kg
Gross Weight	570kg