

## CO<sub>2</sub> Shaking Incubator



### Features:

#### Humanized Design

- \* The CO<sub>2</sub> oscillation incubator integrates the CO<sub>2</sub> incubator and the oscillation incubator. It has the advantages of small floor space and large bottle loading capacity.
- \* The color large touch screen display shows various parameters on one screen. The menu-style operation interface is simple and easy to understand and operate. The operation interface has a password lock function to prevent human misoperation and has a timing function.
- \* The new environmentally friendly design, brand compressors and air duct design have high efficiency, low energy consumption and low noise. They are not only energy-saving but also have a long service life. Compared with traditional similar equipment, the cooling time can be reduced by more than 30%.
- \* The inner liner, vibration table and shelves are all made of 304 stainless steel. The four corners have a semi-circular arc design. The inner liner wall is electrochemically treated, which can resist corrosion and avoid bacterial growth, ensuring durability and facilitating cleaning and disinfection.

#### Powerful function design

- \* Carbon dioxide monitoring and control system
- \* Temperature and humidity control system
- \* Door temperature heating and monitoring system
- \* Ambient temperature monitoring system
- \* Three-eccentric shaft balanced drive
- \* Automatic control of circulating fan speed
- \* 90°C high-temperature moist heat sterilization system

#### Safety Functions

- \* The independent temperature limit alarm system can give audible and visual alarms to prompt the operator, ensuring the safe operation of the experiment without accidents.
- \* It has alarms for low or high temperature and rotation speed, as well as over-temperature alarms, and alarms for excessively high or low CO<sub>2</sub> concentration.
- \* It is equipped with safety facilities such as alarms for excessive door opening time and reminders of the working status of ultraviolet sterilization.
- \* When the box door is opened, the gentle air circulation, heating, and shaker automatically stop, without the disadvantage of temperature overshoot.
- \* The control speed circuit can ensure the smooth start of the shaker and prevent instrument damage caused by liquid splashing.
- \* The independent temperature limit alarm system automatically cuts off heating when the limit temperature is exceeded to ensure safe operation without accidents.
- \* The speed of the circulating fan is automatically controlled to avoid sample volatilization caused by the overly fast circulating fan during the experiment.

### Technical Parameters:

Model	BJPX-C100SS (Single layer)	BJPX-C100DS (Double layer)	BJPX-C300SS (Single layer)	BJPX-C300DS (Double layer)
Type	Air jacket			
Display	LCD touch screen			
Temp. Range	RT-20~65°C			
Temp. Fluctuation	±0.1°C			
Temp. Uniformity (°C)	±0.5°C(at 37°C)			
Heating Type	Six sides heating			
Refrigerant	R134a			
CO <sub>2</sub> control	IR sensor			
CO <sub>2</sub> Range	0~20%			
CO <sub>2</sub> Control Resolution	±0.1%			
CO <sub>2</sub> Uniformity (vol%)	±0.1%			
Stability of the CO <sub>2</sub>	±0.1%(@5%)			
CO <sub>2</sub> Recovery Time	(Open the door for 30 seconds back up to 5%) < 3 minutes			
Humidity Range	50~95%RH			
Humidity Resolution	0.1%			
Humidity Fluctuations	±2%RH			
Humidity Control Precision	The humidity can reach 85%~95% at 37°C, and the humidity is controlled in real time			
Time Setting	0~999h59m			
Shaking Speed	40~300rpm			
Shaking Accuracy	±1			
Vibration Range	20mm			
Drive Mode	Three-eccentric shaft balanced drive type			
Loading Capacity	10kg(Including clamps)		15kg(Including clamps)	
Max. Capacity	50ml*36 or 100ml*23 or 250ml*13 or 500ml*8 or 1L*5 or 2L*3 or 4L*1 or 5L*1(Flask camp)		50ml*49 or 100ml*36 or 250ml*18 or 500ml*16 or 1L*9 or 2L*5 or 4L*4 or 5L*2(Flask camp)	
Tray Size(mm)	350*350		450*450	
Shelves	1 pcs			
Filter	Microbe filter, HEPA filter			
Sterilization	90°C steam sterilization			
Power Supply	220V,50Hz			
Consumption (W)	1500		1800	
Optional	RS232/485 interface and Communication software; CO <sub>2</sub> reducing valve ; Wireless alarm system (SMS alarm system);Printer; Hierarchical permission function			
Internal Size(W*D*H)mm	505*600*420		605*700*520	
External Size(W*D*H)mm	693*875*753		793*975*853	