

CO₂ Shaking Incubator



Features:

Humanized Design

- * The CO₂ oscillation incubator integrates the CO₂ 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 mis-operation 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 CO₂ 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 | ±0.5°C(At 37°C) | | | |
| Heating Type | Six sides heating | | | |
| Refrigerant | R134a | | | |
| CO ₂ Control | IR sensor | | | |
| CO ₂ Range | 0~20% | | | |
| CO ₂ Control Resolution | ±0.1% | | | |
| CO ₂ Uniformity(vol%) | ±0.1% | | | |
| Stability of CO ₂ | ±0.1%(At 5%) | | | |
| CO ₂ Recovery Time | (Open the door for 30 seconds back up to 5%) <3minutes | | | |
| Humidity Range | 50~85%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 | 0~999h59min | | | |
| Shaking Speed | 40~300rpm | | | |
| Shaking Accuracy | ±1rpm | | | |
| 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 | 350*350mm | | 450*450mm | |
| Shelf | 1pc | | | |
| Filter | Microbe filter, HEPA filter | | | |
| Sterilization | 90°C steam sterilization | | | |
| Power Supply | AC220V, 50Hz | | | |
| Consumption | 1500W | | 1800W | |
| Optional Accessories | RS232/485 interface and communication software; CO ₂ reducing valve; Wireless alarm system (SMS alarm system); Printer; Hierarchical permission function | | | |
| Internal Size(W*D*H) | 505*600*420mm | | 605*700*520mm | |
| External Size(W*D*H) | 693*875*753mm | | 793*975*853mm | |