

## With Imported Infrared CO<sub>2</sub> Sensor

### Features

- Faster CO<sub>2</sub> concentration Restoration Speed.
- Imported Infrared sensor can keep CO<sub>2</sub> concentration stability and uniformity when door open frequently.
- Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable.
- Microorganism filter at inlet provides 99.99% filtration of bacteria and dust ( $\Phi < 0.3\mu\text{m}$ ) and supplies pure CO<sub>2</sub> into the incubator.
- Door temperature controller prevents dewfall on glass door of incubator effectively.
- Independent audible and visible temperature-limiting alarm system ensures experiments run safely.
- Alarm function for temperature difference, CO<sub>2</sub> over concentration and concentration difference, door open time, UV working status.
- Auto-controller of fan speed to prevent damage to the samples.
- PID controller with LCD screen ensures precise and reliable control.
- Two-layer stacking available.
- UV light system for periodic sterilization of chamber.



shelf

fan

### Options

- RS485 Connector: Easy to download and save all the data via RS485 into computer, and identify problems in time.
- High effective filter provides filtration of bacteria and dust.
- CO<sub>2</sub> pressure releasing valve.
- Humidity display system.

### Specifications

Model	BPN-40CRH	BPN-80CRH	BPN-150CRH	BPN-190CRH	BPN-240CRH	BPN-500CRH
Chamber Volume	40L	80L	155L	190L	240L	500L
Temperature Range	RT+5°C ~55°C					
Electrical Requirement	220V 50Hz					
Power Consumption	350W	500W	750W	750W	950W	1450W
Ambient Temperature	+5~30°C					
Heating Method	Air-jacketed, PID Control					
Temperature Resolution	0.1					
Temperature Stability	±0.1°C					
Temperature uniformity(37°C)	±0.3°C					
CO <sub>2</sub> Range	0~ 20% V/V					
CO <sub>2</sub> Control Resolution	±0.1%(IR sensor)					
CO <sub>2</sub> Recovery	(Door open 30s, recovery to 5%) ≤ 3min					
Temperature Recovery	(Door open 30s, recovery to 37°C ) ≤ 8min					
Humidity Method	Natural vaporization ≥ 90%					
Shelves	2(pcs)		3(pcs)	3(pcs)	3(pcs)	3(pcs)
Interior Dimension (W×H×D)mm	400×286×350	400×450×500	480×530×610	520×530×690	600×630×670	700×650×1100
Exterior Dimension(W×H×D)mm	590×440×576	590×687×790	670×767×880	708×710×1030	788×837×940	880×860×1500
Sterilization method	18hrs (90°C moist heat disinfection)					