

With Infrared CO₂ Sensor

Features

- Faster CO₂ concentration Restoration Speed.
- Infrared sensor can keep CO₂ concentration stability and uniformity when door open frequently.
- Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning(except water-jacketed type), 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 CO₂ 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.(Option)
- Alarm function for temperature difference, CO₂ over concentration and concentration difference, door open time, UV working status.
- Auto-controller of fan speed to prevent damage to the samples.
- UV light system for periodic sterilization of chamber.
- PID controller with LCD screen ensures precise and reliable control.
- Two-layer stacking available.

Options

- RS-485 Connector: easy to download and save all the data via RS-485 into computer, and identify problems in time.
- High effective filter provides filtration of bacteria and dust.
- CO₂ pressure releasing valve
- Humidity display system
- Printer(Nested)
- Temperature-limiting alarm system
- Cooling system



Specifications

Model	BPN-50CH(UV) BPN-80CH(UV)	BPN-150CH(UV) BPN-190CH(UV)	BPN-240CH(UV)	BPN-30CW(UV) BPN-80CW(UV)	BPN-150CW(UV)
Electrical Requirement	220V 50Hz				
Power Consumption	450W/500W	750W	950W	250W/680W	950W
Heating Method	Air-jacketed, PID Control			Water-jacketed, PID Control	
Temperature Range	RT+5~55℃				
Ambient Temperature	+5~30℃				
Temperature Stability	±0.2℃			±0.1℃	
CO ₂ Range	0~ 20% V/V				
CO ₂ Control Resolution	±0.1%(IR sensor)				
CO ₂ Recovery	(Door open 30s,recovery to 5%) ≤ 3min				
Temperature Recovery	(Door open 30s,recovery to 37℃) ≤ 8min				
Humidity Method	Natural vaporization ≥ 90%				
Chamber Volume	50L/80L	150L/190L	240L	26L/80L	150L
Interior Dimension(W×D×H)mm	400×350×350 400×450×500	480×530×610 520×530×690	600×630×670	290×290×310 400×400×500	500×500×650
Exterior Dimension(W×D×H)mm	580×450×730 590×657×870	670×710×950 708×710×1030	788×837×940	440×410×544 550×520×764	650×615×914
Shelves	2(pcs)	3(pcs)	3(pcs)	2(pcs)	3(pcs)
Sterilization method	UV Sterilizer				