

Neonatal Care Products

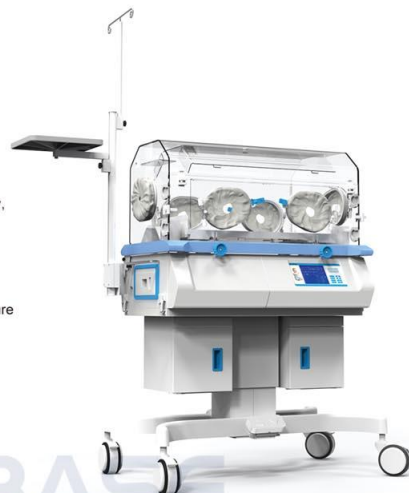
Infant Incubator BK-3201

Introduction:

Infant incubator is one of the important equipment used in medical institutions. It is mainly used for constant temperature cultivation, temperature resuscitation, oxygen delivery, rescue, hospitalization and observation of sick infants and premature infants. It is used in hospitals, confinement centers, neonatology, etc.

Features:

- * LCD display
- * Double control modes of bed temperature and skin temperature
- * Double-layer thermostatic cover, automatic air curtain device
- * Humidity control function
- * Air & Oxygen blender
- * Oxygen supply system
- * Baby cot is infinitely adjustable
- * 24 kinds of sound and light alarm, comprehensive protection of baby safety



Technical Parameters:

| | Item | Specifications |
|--------------------|--|--|
| General Parameters | Power supply | AC220V, 50/60Hz(Standard) 1320VA; AC110V, 60Hz(Optional) |
| | Size (L*W*H) | 950*645*(1250-1450)mm |
| | Maximum heater output power (220VAC) | Air chamber heater: 330W; Water tank heater: 155W |
| | Auxiliary network power output | AC220V/50Hz, Both maximum permissible currents are 220V 1.5A |
| | Heater indication | 0~100%,10% increasing amount |
| | Temperature control mode | Bed temperature mode; The skin temperature mode |
| | Bed temperature control temperature range | 25.0~37.0℃; 37.1~39.0℃(Span Mode) |
| | Skin temperature control range | 34.0~37.0℃; 37.1~38.0℃(Span Mode) |
| | Skin temperature sensor temperature display range | 5.0~65.0℃ |
| | Heating time | ≤ 50min |
| | Temperature variability | ≤ 0.5℃ |
| | Temperature uniformity (mattress in horizontal position) | ≤ 0.8℃ |
| | Temperature uniformity (mattress in tilted position) | ≤ 1.0℃ |
| | Difference between average incubator temperature and control temperature | ≤ 1.5℃ |
| | Skin temperature sensor accuracy | ±0.3℃ |

| | | |
|------------------------------|---|--|
| Humidity Control | The running time of the tank after it is filled with distilled water | Humidity below 70%RH, at least 24h |
| | Water tank capacity | 1500ml |
| | Humidity display range | 0%RH~99%RH |
| | Humidity control range | CAH%RH~90%RH(1% per adjustment) |
| | Humidity control accuracy | ±10% |
| Oxygen Concentration Control | Oxygen concentration display range | 0%~99% |
| | Oxygen concentration display resolution | 1% |
| | Oxygen concentration control accuracy | ±5% oxygen volume concentration |
| | Oxygen concentration setting range | 21%~60%(1% per adjustment) |
| Transport Storage | Oxygen sensor service life | The maximum use time is 10000h at 100% oxygen concentration |
| | Temperature | -20℃~+55℃ |
| | Atmospheric pressure range | 500hPa~1060hPa |
| | Relative humidity | ≤93%RH |
| The Work Environment | Packing size/ Gross Weight | 1150*800*1600mm 190kg |
| | Relative humidity | 30%RH~75%RH |
| | The environment temperature | +20℃~+30℃ |
| | Pressure range | 700hPa~1060hPa |
| Other Indicators | Service altitude | ≤2000m |
| | Over voltage category | II |
| | Pollution levels | 2 |
| | Ambient air velocity | ≤ 0.3m/s |
| General Alarm | Environmental noise in incubator baby compartment | No more than 55dB(A) at stable temperature |
| | Carbon dioxide concentration in the infant compartment | A mixture of 4% carbon dioxide and air was fed into an 8mm diameter tube in the vertical direction from the mat to the top of the box at 750mL/min to a point 10cm above the mattress center and 10cm above the center. The concentration was less than 0.5% after stabilization |
| | The velocity of air flow over a baby's mattress | ≤0.35m/s |
| The System Alarm | Power failure alarm, fan alarm, sensor alarm, deviation alarm, over temperature alarm, water tank placement error alarm, water shortage alarm | |
| | Mcu1 and Mcu2 communication error alarm, Mcu2 and Mcu3 communication error alarm, analog-to-digital conversion chip 2544 failure alarm, analog-to-digital conversion chip 2548 failure alarm, over temperature alarm, temperature heating system failure, humidity heating system failure | |

Configuration:

| Model | Type I+ | Type I | Type II | Type III | Type IV |
|--------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Temp. Control | Bed/Skin temperature | Bed/Skin temperature | Bed/Skin temperature | Bed/Skin temperature | Bed/Skin temperature |
| Display | LCD | LCD | LCD | LCD | LCD |
| Bed Temp. Control Range | 25℃-39℃ | 25℃-39℃ | 25℃-39℃ | 25℃-39℃ | 25℃-39℃ |
| Skin Temp. Control Range | 34℃-38℃ | 34℃-38℃ | 34℃-38℃ | 34℃-38℃ | / |
| Humidity Control Range | CAH%~99%RH | CAH%~99%RH | CAH%~99%RH | / | / |
| Oxygen Control Range | 21%~99% | 21%~99% | / | / | / |
| Cabinet | Yes | Yes | Yes | Yes | Yes |
| Height Adjustable | Yes | / | / | / | / |