



## Infant Radiant Warmer BN-100

### Function features

- Microprocessor based servo controlled temperature system
- The microprocessor-controlled unit allows for three modes: pre-warm, manual and automatic
- APGAR timer to record therapy time; 1,5 and 10 minutes elapsed time
- Audible and visual Alarm functions :  
Power failure, temperature deviation( $\pm 1^{\circ}\text{C}$ ), temperature sensor failure, skin temperature failure, over temperature(over  $39^{\circ}\text{C}$ )
- LED observation light adjustable, brightness adjustable
- Heater head can be adjusted  $\pm 90^{\circ}$  horizontally
- Convenient X-ray cassette board under infant bed
- Tilt angle of infant bed is adjustable
- Four Transparent protector folded with 2 infusion seals
- With RS-232 connector, 2 trays and 2 drawers
- With integrated resuscitation unit, SPO2
- Air&Oxygen Blender, Low Pressure Aspirator, baby scale
- BL-60D phototherapy unit, 2 Oxygen cylinder holder

## Technical data

|                                    |                                  |                             |
|------------------------------------|----------------------------------|-----------------------------|
| Power supply                       | AC110/220V 60/50Hz               |                             |
| Power input                        | 1000VA                           |                             |
| Operating conditions               | Environment temperature          | 18°C ~ 30°C                 |
|                                    | Environment relative humidity    | 30% ~ 75%                   |
|                                    | Atmospheric Pressure             | 700 ~ 1060hpa               |
|                                    | Environment air velocity of flow | < 0.3m/s                    |
| Skin Temperature control range     |                                  | 34°C ~ 38°C                 |
| Skin Temperature measurement range |                                  | 30°C ~ 40°C                 |
| Skin temperature control accuracy  |                                  | ≤0.5°C                      |
| Skin temperature sensor accuracy   |                                  | ±0.3°C                      |
| Mattress temperature uniformity    |                                  | < 2°C                       |
| Infant Bed tilt angle              |                                  | ±10°                        |
| LED observation light function     |                                  | 3W                          |
| Warm-up time(from 25°C)            |                                  | < 30min                     |
| Heater head horizontal             |                                  | ±90°                        |
| Distance from heater to mattress   |                                  | 80cm                        |
| Distance from mattress to floor    |                                  | 90cm                        |
| Mattress size                      |                                  | 67cmX54cm                   |
| Mattress thickness                 |                                  | 30mm                        |
| Timer range                        |                                  | 0 ~ 99h59min                |
| Tray                               |                                  | 250*350mm                   |
| Baby weight:                       |                                  | ≤12KG(Accuracy:±1g)         |
| Heater power range                 |                                  | 0-100%                      |
| SPO2                               |                                  |                             |
| Measurment range:0% ~ 100%         |                                  | RH unspecited resolution:1% |
| RH accuracy:                       |                                  | ±2%(70% ~ 100% RH),0% ~ 90% |
| Pulse Rate                         |                                  |                             |
| Measurment range:                  |                                  | 0bpm-250bpm                 |
| Accuracy:                          |                                  | ±2bpm                       |
| Resolution:                        |                                  | 1bpm                        |

## Infant Resuscitator Data

|                                 |                                    |
|---------------------------------|------------------------------------|
| Operating temperature           | -18°C ~ 50°C                       |
| Input gas flow range            | 5-15L/min                          |
| Manometer range                 | -10 ~ 80cmH <sub>2</sub> O         |
| Recommended patient body weight | ≤10kg                              |
| Delivered oxygen concentration  | Up to 100% depending on gas supply |

## The relation between the adjustment range of the PIP and the gas supply

| Gas Supply | PIP Value                |
|------------|--------------------------|
| 5L/min     | 2 ~ 68cmH <sub>2</sub> O |
| 8L/min     | 3 ~ 70cmH <sub>2</sub> O |
| 10L/min    | 4 ~ 71cmH <sub>2</sub> O |
| 15L/min    | 6 ~ 74cmH <sub>2</sub> O |

## Transport and storage

|                                      |               |
|--------------------------------------|---------------|
| Package                              |               |
| Each unit is packed one plywood case |               |
| Size:118*90*87cm                     |               |
| N.W.:75Kg                            | G.W.:100Kg    |
| Transport and storage                |               |
| Environment temperature              | -40°C ~ +55°C |
| Environment relative humidity        | ≤95%          |
| Atmospheric Pressure                 | 500 ~ 1060hpa |

## Standard configuration

Main body (including the Radiant source, Control system, Infant bed, Bracket), X-ray cassette, Observe light, I.V. pole, Skin temperature sensor, Tray, Mattress, Transparent protector, Castors, Drawers, Integrated resuscitation unit, Air&Oxygen Blender, Low Pressure Aspirator, oxygen system, BL-60Dphototherapy unit, Baby scale, SPO2 system, 2 pcs Oxygen cylinder holder

## Air/Oxygen blender data

|                                                      |
|------------------------------------------------------|
| FIO <sub>2</sub> : 21%-100%                          |
| Flow control : 1-15L                                 |
| Air source supply : 0.3Mpa-0.4Mpa                    |
| Pressure difference of air supply alarm :            |
| Air supply pressure is more than 0.1Mpa, sound alarm |

## The relation between the adjustment range of the PEEP and the gas supply

| Gas Supply | PEEP Value                 |
|------------|----------------------------|
| 5L/min     | 1 ~ 3.5cmH <sub>2</sub> O  |
| 8L/min     | 1 ~ 8cmH <sub>2</sub> O    |
| 10L/min    | 1.5 ~ 12cmH <sub>2</sub> O |
| 15L/min    | 3 ~ 20cmH <sub>2</sub> O   |

## Detail show



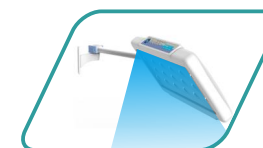
Low Pressure Aspirator



Infant Resuscitator



Air&Oxygen Blender



BL-60D phototherapy unit