



NBB-IV

NEONATE BILIRUBIN PHOTOTHERAPY EQUIPMENT



Brief Introduction

- Intensive phototherapy equipment, large effective treatment area, meets AAP Guidelines for intensive phototherapy;
- Double sides LED phototherapy radiation;
- Bed temperature mode servo controlled by micro-computer;
- Baby temperature detection, LCD color display;
- Self-checking and multiple failure alarm;
- Timer for the phototherapy time;
- Height of upper light box is adjustable, angel 180° adjustable in horizontal position;
- Transparent curtain surrounded the upper light box to preserve thermal;
- Environment temperature detection.

Specification

Power supply: AC220V-230V/50Hz or AC110-120V/50-60Hz, 75VA
 Temperature control mode: bed temperature servo control mode
 Bed temperature control range: 35°C-38°C
 Skin temperature display range: 5°C-65°C
 Accuracy of bed temperature control: $\leq \pm 1.0^\circ\text{C}$
 Accuracy of bed temperature display: $\leq \pm 0.7^\circ\text{C}$
 Bed temperature variability: $\leq \pm 0.5^\circ\text{C}$
 Heating up time: 2 hours (the mattress temperature rise from 23°C to 37°C)
 Accuracy of skin temperature sensor: $\leq \pm 0.2^\circ\text{C}$
 Mattress temperature uniformity: $\leq \pm 2.5^\circ\text{C}$
 Working noise of bed surface: $\leq 55\text{dB(A)}$
 Failure alarm: over-temperature alarm, sensor alarm, temperature deviation alarm, motor fan failed alarm

General bilirubin radiation of the effective surface area:

Upper phototherapy:

| Irradiation distance cm | LED | Average value of general bilirubin radiation mW/cm ² | General radiation mW/cm ² | Maximum value of general bilirubin radiation mW/cm ² |
|-------------------------|--------|---|--------------------------------------|---|
| 28 | ALL ON | ≥ 3.1 | ≥ 3.5 | ≥ 4.5 |
| 38 | ALL ON | ≥ 2.6 | ≥ 3.0 | ≥ 4.2 |
| 48 | ALL ON | ≥ 2.2 | ≥ 2.8 | ≥ 3.9 |

Nether phototherapy:

| LED | Average value of general bilirubin radiation mW/cm ² | General radiation mW/cm ² | Maximum value of general bilirubin radiation mW/cm ² |
|--------|---|--------------------------------------|---|
| ALL ON | ≥ 2.3 | ≥ 2.8 | ≥ 4.0 |

Uniformity of the total irradiance for bilirubin: ≥ 0.4
 Dominant wavelength of blue light: 450-470nm
 Light effective surface: 54cm x 26cm
 Life time of LED: 20000hrs

Operating request

Temperature range: 20°C-30°C
 Relative humidity: 30%-75%RH
 Atmospheric pressure: 700hPa ~ 1060hPa



Standard Configuration

Upper light box (including operation screen), bed, mattress, guard, storage box and mobile stand.

Product Packaging

Package: the whole unit is packed into one carton
 Dimension: 970mm x 930mm x 1380mm
 Gross Weight: 70Kg

Stock code [300314]

Ningbo David Medical Device Co.,Ltd

Sales center: #100 Jinghua Road, High-tech Industrial Development Zone, Ningbo, China
 Tel: 0086-574-8780 0008 8780 0007 /Fax: 0086-574-8780 3714
 E-mail: sales@nbdaavid.com /Http: //www.chinadaavid.cn /P.C.: 315040

Specifications are changed without notice for performance improvement.

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