



médipréma G R O W I N G

INFANT PHOTOTHERAPY DEVICE
O'BLOO - REF. 1950

Highlighting performance



Jaundice is a frequently observed problem with neonates and premature babies.

Phototherapy (light acting on the bilirubin which causes skin's yellow colouring) is the most used treatment for jaundice. With the **O'bloo**, 360 cradle, médipréma offers an intensive phototherapy through a maximized luminous flux applied almost uniformly on the baby skin surface.

The 360 cradle has transformed the neonatal jaundice treatment by significantly reducing the therapy duration and preventing blood exchange transfusions.

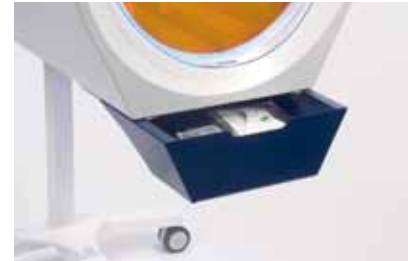
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SPECIFICATIONS

- **Luminous flux** $>5\text{mW/cm}^2$ ($>78 \mu\text{W/cm}^2/\text{nm}$) per semi-cylindrical hood - measured between 400 and 550 nanometres (active spectrum DIN 5031) with BabyBlue radiometer at 20cm of the hood.
- **Baby skin temperature monitoring.** The high and low alarms combine visual and sound alarms to prevent any risk of hypothermia and hyperthermia.
- **Absorbed Power:** 1000VA
- **Power Supply:** 220-240V / 50Hz (115V-60Hz and 220V-60Hz in option)
- **Sound level:** $<50\text{d(B)A}$
- **Electrical classification:** Ib
- **Class IIa medical device.**

DESCRIPTION

- **16 blue light treatment tubes** placed inside 2 semi-cylindrical hoods. The upper hood is mounted on a vertical slide bar raised on a jack which enables the operator to move it up and down (up to 330mm).
- **Control box with a LCD display** at eyes-level to allow a good visibility of parameters and alarms.
- **Exposure time programming**
- **Tubes usage time counter** (maximum tubes lifetime: 2000h)
- **Stand-by button** allowing treatment break during infant care
- **The baby is comfortably installed** in a hammock during the therapy. The body is integrally exposed to lighting. 75% sliding out bed. Protection shields ensure a greater safety and 2 lateral windows a complete visual monitoring. The baby is easily reachable thanks to a removable front shield.
- **A temperature of approximately $33^\circ\text{C} \pm 3^\circ\text{C}$** at the level of the hammock is typically observed (in a room temperature of built in 25°C).
- **Temperature monitoring** inside the cradle.
- **Shelf and drawer**
- **Stand with 4 pivoting castors**, 2 with brakes. 1 handle at the back of the equipment make it easy to move.
- **Standardized rail** around the unit for accessories attachment.
- **Dimensions:** LxWxH 880x650x1440mm
- **Weight:** 61kgs



INFO

The comparison of performances between one phototherapy unit with another should be made in the same conditions (radiometer, distance, angularity ...)

Pulse Oximeter (option)

- %SPO₂ and pulse rate measurements, as well as Signal IQ and Perfusion Index displayed on LCD screen. Adjustable audible alarms adapted to the monitoring of neonates undergoing intensive phototherapy (adjustable SPO₂ and pulse rate high & low alarms thresholds).
- Measurement range :
 - SPO₂: 1 - 100%
 - pulse rate: 30 - 235 bpm



Made in France

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