Safety and Intensity for the treatment of high bilirubin levels

Bilisphere 360

Technical Specifications

Dimensions

<table>
<thead>
<tr>
<th>Width</th>
<th>63 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td>78 cm</td>
</tr>
<tr>
<td>Height</td>
<td>140-159 cm</td>
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</tbody>
</table>

Hammock Mattress: 58 cm x 30 cm

Characteristics

Air Temp. Display
8 °C-53 °C

Skin Temp. Display
0 °C-51 °C

Screen: 5.1 inches touch screen

Lamp Life: 20,000 hours for Bilisphere 360
22,000 hours for Bilisphere 360 LED

Lamp Type
16 pcs Blue Light Fluorescent Tubes Bilisphere 360
16 pcs Blue Light LED Tubes for Bilisphere 360 LED

Alarms

High Skin Temp. Alarm: +1 °C
Low Skin Temp. Alarm: +1 °C
High Ambient Air Temperature: > 37 °C
Low Ambient Air Temperature: < 28 °C
Skin Probe Failure

Therapy Ended Alarm

Lamp Usage Time

Order List

152.012.002  Bilisphere 360
152.012.003  Bilisphere 360 LED

Optimals

151.012.004  Monitor Shelf
151.010.01  Skin Probe
151.012.214  Cabin Probe
151.012.043  IV Pole
151.012.051  Hammock

Monitor Shelf Weight Limit: 6 kg

IV Pole Weight Limit: 2 kg

Lamp Type: 16 pcs Blue Light Fluorescent Tubes Bilisphere 360
16 pcs Blue Light LED Tubes for Bilisphere 360 LED

Environmental Requirements

Operating Temperature Range: +23°C to +28°C
Storage Temperature Range: -20°C to +50°C

Operating Humidity Range: ≤ 99 R.H., non-conditioning
Storage Humidity Range: 0% to 99 R.H., non-conditioning

Proven Quality And 100% Customer Satisfaction

Having a very strict quality policy brought us 100 percent customer satisfaction. Novos will continue to design and manufacture high quality products for newborn care; all you have to do is just to focus on your patients.

With a TOUCH SCREEN LCD display

With a TOUCH SCREEN LCD display
Novos Offers A High Quality Treatment and Reliable Equipment which makes you feel the differences of multidirectional intensive phototherapy in most cases...

**Bilisphere 360** is exactly what you need for the treatment of high bilirubin levels for newborns

Jeundice management is critical for premature and term newborns with hyperbilirubinemia. Novos offers caregivers a NEW MULTIDIRECTIONAL INTENSIVE PHOTOTHERAPY TREATMENT WITH LED TECHNOLOGY. Bilisphere 360 enables you to get fastest total serum bilirubin breakdown and eliminates the need for blood exchange.

Clinical studies showed that it decreases bilirubin level 0.84 mg/dl/hour and this rapid decline is important in cases that have a high risk of encephalopathy.*


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Division of Neonatology, Department of Pediatrics, Hacettepe University Faculty of Medicine, Ankara, Turkey.

Tiny newborns need an ideal environment. Bilisphere 360 makes it possible with smart software system NOVOSOFT and THERMOELEVATION mode.

Newborns use their energy for development in their first days of life. Temperature increase or decrease, loss of body water and stressful environment impedes their development. Bilisphere 360 aims to create an ideal intensive phototherapy environment for newborns. Patented software NOVOSOFT controls silent fan groups for a temperature regulated stable environment and activates the THERMOELEVATION mode which elevates the upper couple and disperses the inside heat, so guarantees acceptable temperature levels for baby.

**Easy patient tracking and system monitoring with a touch screen LCD display**

According to the newborn care guidelines, infant skin temperature should be measured during phototherapy treatment. Bilisphere 360 enables monitoring of baby’s skin temperature continuously and clearly on LCD display.

Monitoring of treatment and lamp usage times on LCD display allows caregivers to follow-up the treatment efficiently.

**Easy to clean**

Caregivers benefit from manual elevation system which elevates upper couple just on a push of a button for cleaning and disinfection of the inside of the equipment. Hammock Exchange is an easy process in Bilisphere 360 by means of the sliding out bed unit.

**Safety and comfort for the baby**

Excellent design of bed unit ensures safety and comfort for newborns.

Bilisphere 360 involves a specially designed soft hammock inside. It is comfortable to lay on hammock even for the tiniest ones.

**Just under the hammock there exists a safety system against worn out hammock.**

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**Less workload for NICU staff**

Treatment time of each patient is definitely shorter with Bilisphere 360 than any other phototherapy equipment. Short treatment time means less workload for caregivers per patient. Intensive phototherapy system Bilisphere 360 shortens hospital stay and supports baby mother contact.

Sliding out bed unit allows caregivers and nursing staff easy access to the infant.

Side windows protect other patients and caregivers from the effect of blue light and caregivers can supervise the neonate through side windows.

**Low cost of ownership**

Bilisphere 360 LED, uses LED lamps that have 20,000 hours of life time . This lifetime value is 10 times longer than any conventional fluorescent lamp available in the market, which reduces lamp replacement cost extremely. LED lamps have very low energy consumptions compared to fluorescents.