

Give every newborn the best start in life



## EcoLa3000 Infant Incubator



### BNG MEDICAL INSTRUMENTS CO.,LTD.

📍 3rd Floor, Block 3, No.14, Zhongxing Road, Xiuxin Community,  
Kengzi Street, Pingshan District, Shenzhen, China  
✉ Email: [info@bngmed.com](mailto:info@bngmed.com)      ☎ Tel: +86-0755-27392867  
🌐 Web: [www.bngmed.com](http://www.bngmed.com)

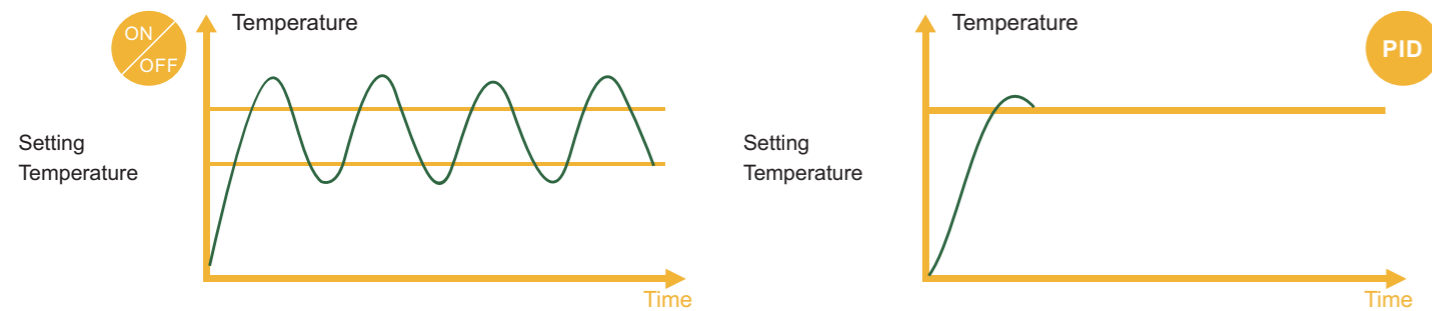
CE ISO  
2460 13485

[www.bngmed.com](http://www.bngmed.com)

# EcoLa 3000 INFANT INCUBATOR

## ■ PID Fuzzy Algorithm

PID algorithm continuously calculates an error value as the difference between setting temperature and real time temperature and applies a correction based on proportion, integral and derivative terms.



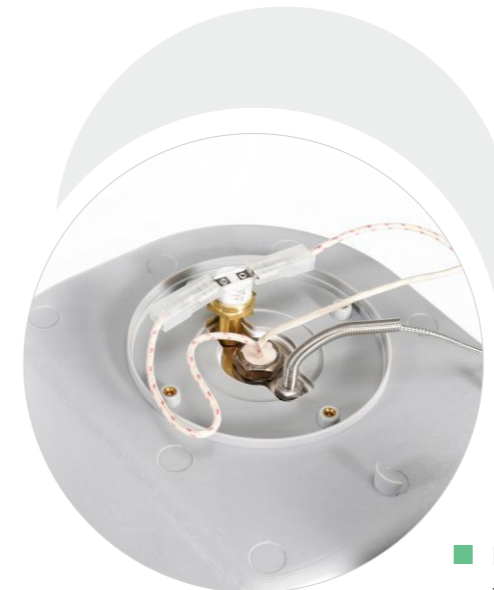
■ **Advance air circuit design**  
Minimize the temperature uniformity less than 0.5°C.

■ **Double wall with air curtain**  
Reduce the heating loss when open the access panel.



## ■ Superior Alarm System

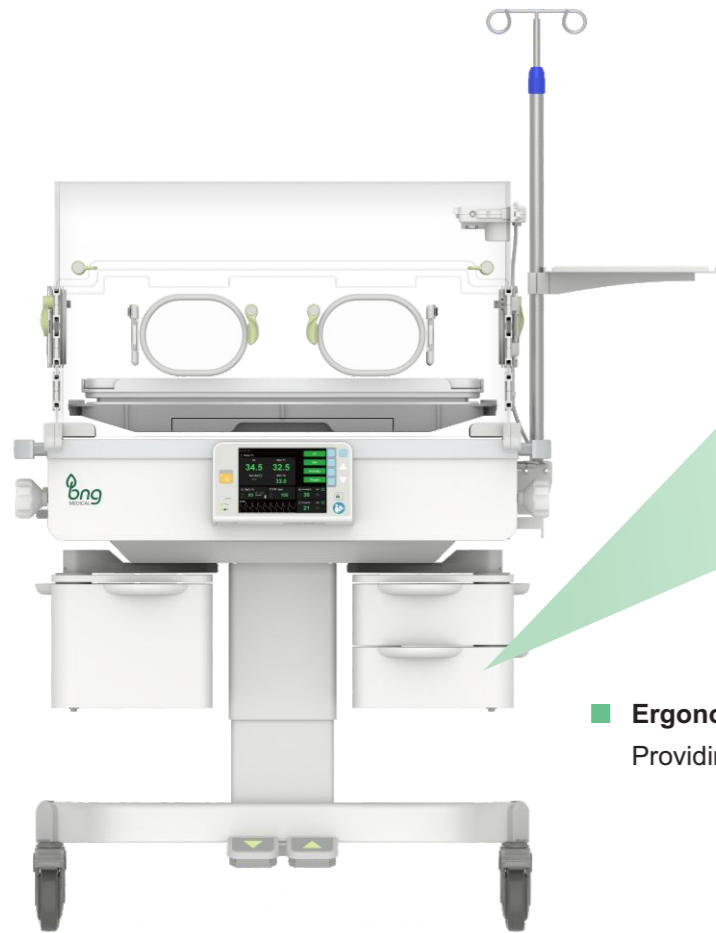
Enhanced safety for newborns and operators with over 30 different alarm types.



■ **Heating Source Dual Protection**  
With the incorporation of a thermocouple and mechanical temperature switch, the heating system's heating source is safeguarded simultaneously.



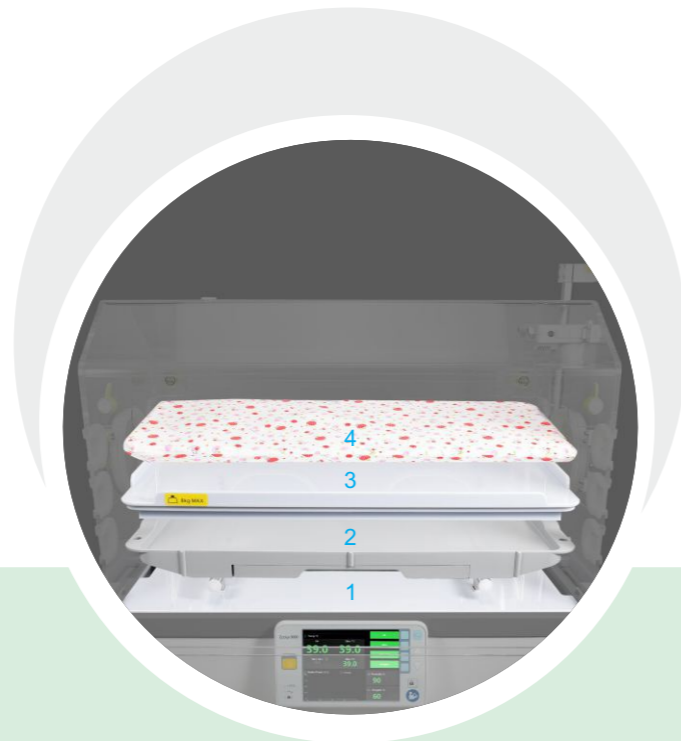
■ **Reliable Sensor Module**  
Real-time monitoring of hood temperature and humidity is achieved through sensors from Honeywell UK. Additionally, a 2-channel temperature probe is utilized to simultaneously monitor the newborn's core temperature and peripheral temperature.



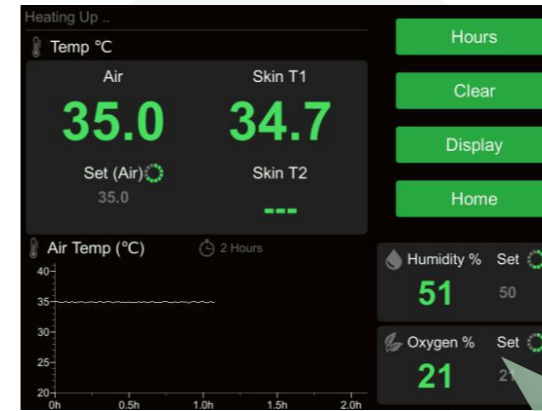
- **Ergonomic design 360° rotatable storage drawers**  
Providing convenient access to storage space from any directions.



- **X-Ray cassette**  
X-ray cassette is positioned under the baby tray, eliminating the need to move the baby during X-ray examinations.



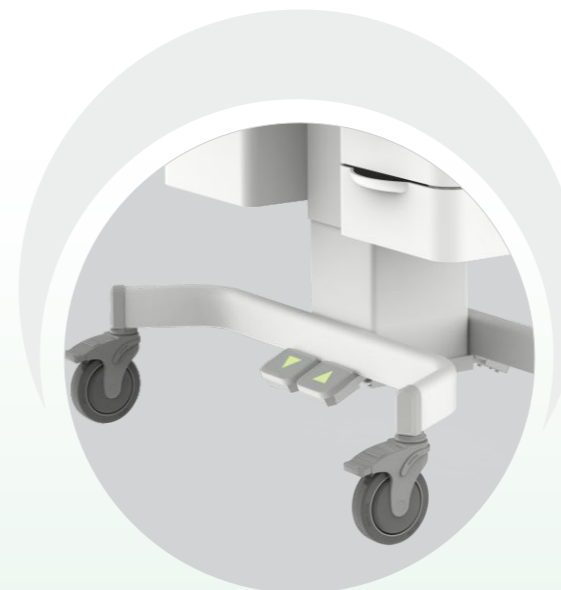
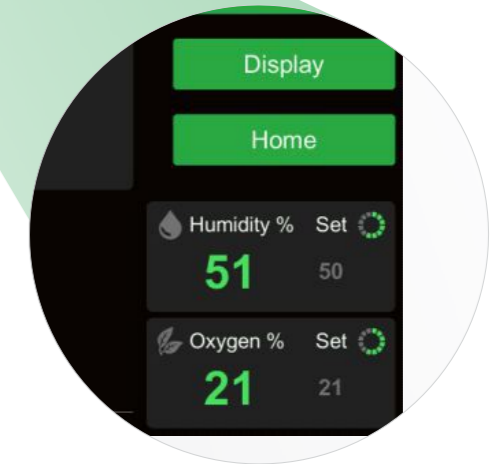
- **Weight scale**  
Integrated weight scale module, measures the newborns' weight, and the data can be recorded for 7 days.



- **Touch screen**  
8 inch LCD touch screen, enhancing convenience for operation and improving visibility of information from a distance.



- **O2 servo control and monitoring**  
Critical components from Europe, such as Norgren, Camozzi, and City, enable us to build a more stable, accurate, and safe O2 cycle system.



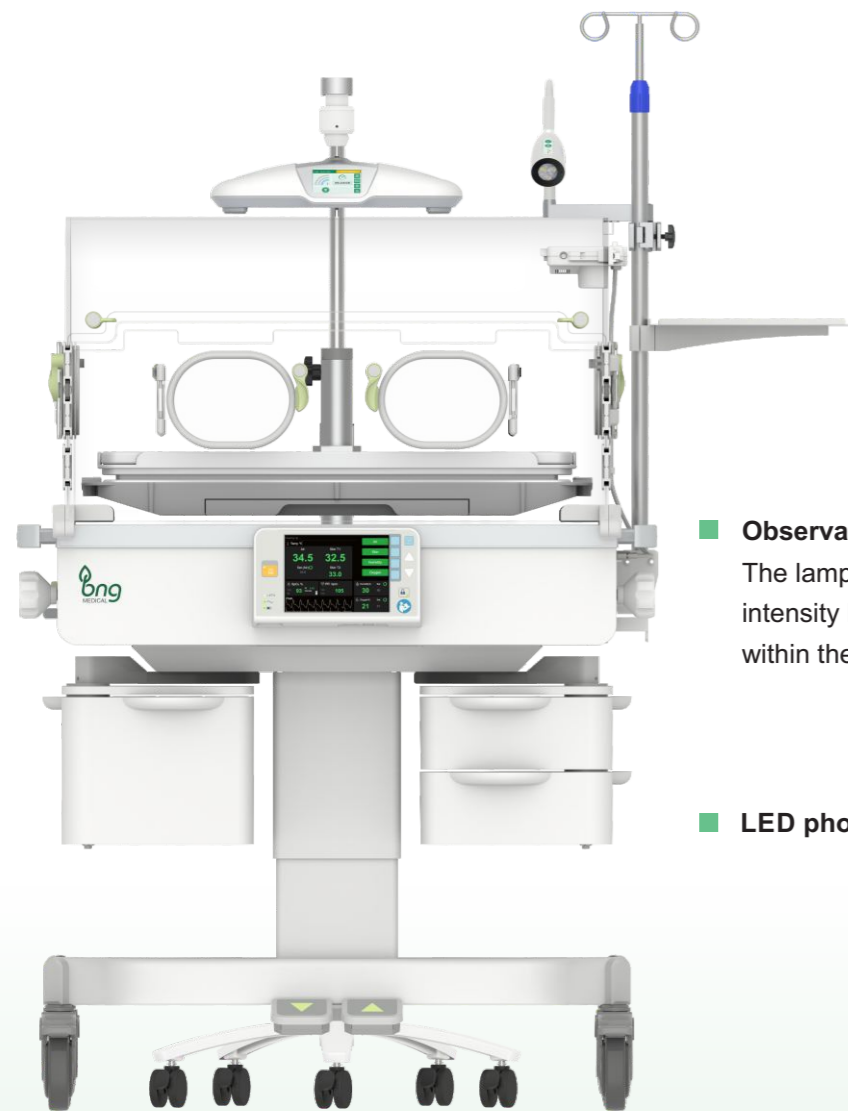
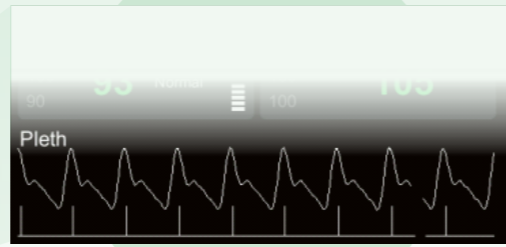
- **Lifting stand**  
Adjust the infant incubator's height based on the operator's convenience.





■ **Integrated Spo2 monitoring**

Real time monitoring the Spo2 and pulse rate of newborns.

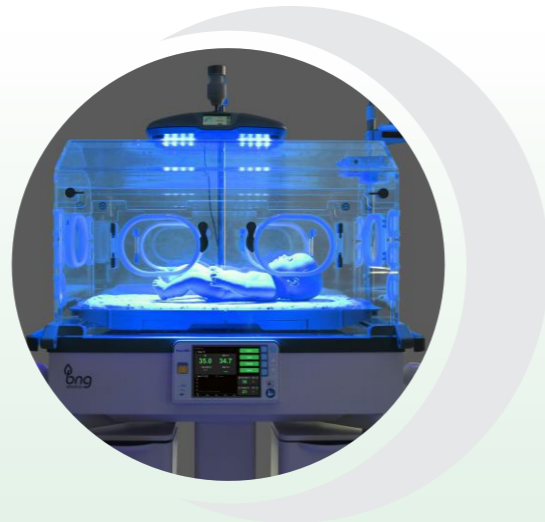


■ **Observation lamp**

The lamp head is adjustable in height and angle, with three intensity levels for convenient examination of newborns within the infant incubator in low-light conditions.



■ **LED phototherapy light**



### Temperature Control Modes

Temperature control modes	Skin and Air temperature control
Air mode control temperature range	20°C-37°C
Air mode control override temperature range	37°C-39°C
Skin mode control temperature range	34°C-37°C
Skin mode control override temperature range	37°C-38°C

### Performance

Air flow velocity across mattress	< 10 cm/sec
Temperature rise time at 22 °C (72 °F) ambient	<35min (From 22°C, 50% RH, to 33°C)
Temperature variability	< 0.3°C
Operating noise level in hood	≤45dBa

### Servo Humidity Control

Humidity control range	30%-95% RH
Humidity control reservoir capacity	1500ml
Humidity display and control accuracy	±3%RH

### Servo Oxygen Control Option

Oxygen control range	21% to 65%
Oxygen display accuracy of full scale	±2%
Oxygen display resolution	1%

### Weight Scale Option

Weight range	300g to 8kg
Weight display resolution	1g
Weight accuracy	±5g

### Storage/Shipping Information

Temperature	-25°C to 60°C
Humidity	0 to 95% RH

Notice: Specifications subject to changes without prior notice. All rights reserved by BNG Medical.