

Give every newborn the best start in life



EcoLa3000

Infant Incubator



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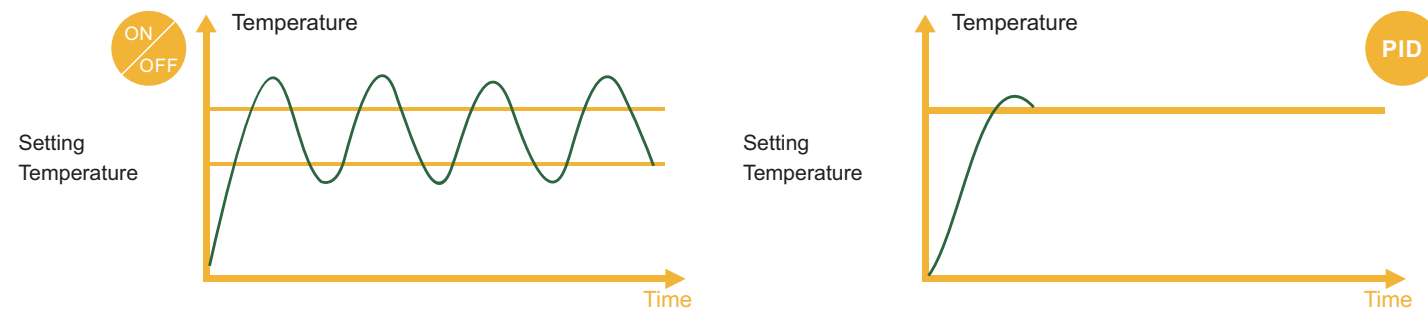
CE ISO
2460 13485

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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.



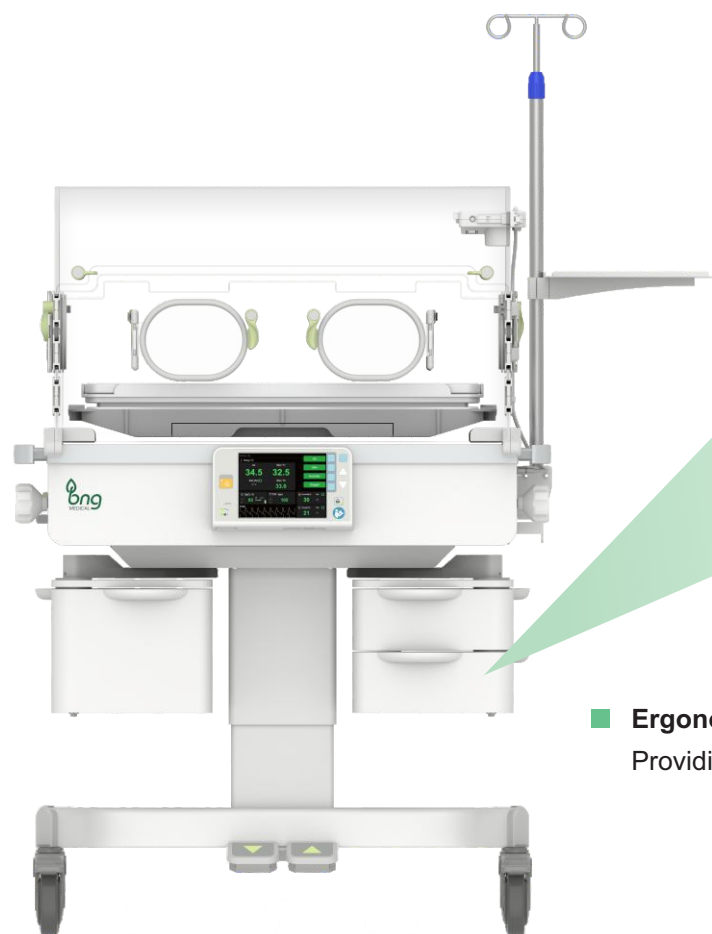
Heating Source Dual Protection

With the incorporation of a thermocouple and mechanical temperature switch, the heating system's heating source is safeguarded simultaneously.



Reliable Sensor Module

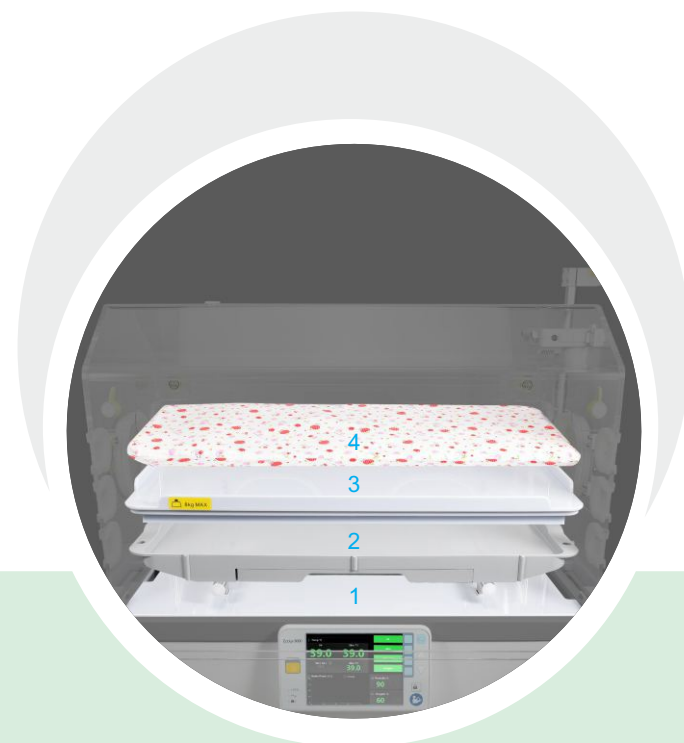
Real-time monitoring of hood temperature and humidity is achieved through sensors from Honeywell UK. Additionally, a 2-channel temperature probe is utilized to simultaneously monitor the newborn's core temperature and peripheral temperature.



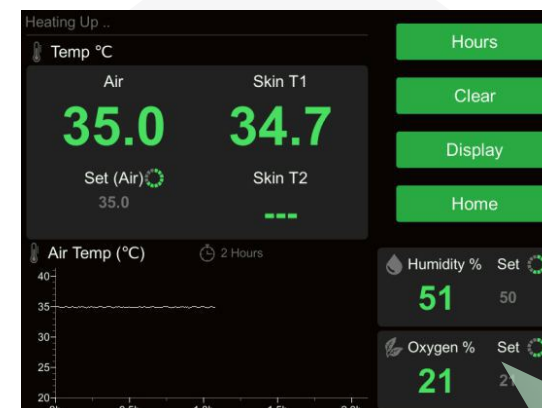
- **Ergonomic design 360° rotatable storage drawers**
Providing convenient access to storage space from any directions.



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



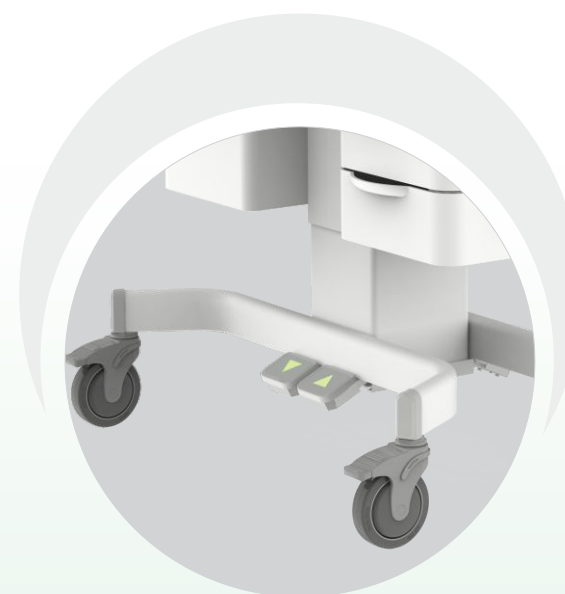
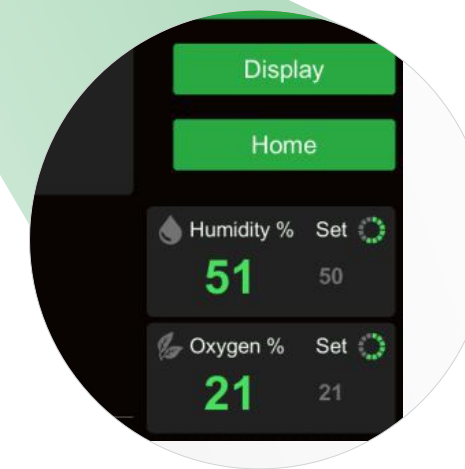
- **Weight scale**
Integrated weight scale module, measures the newborns' weight, and the data can be recorded for 7 days.



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

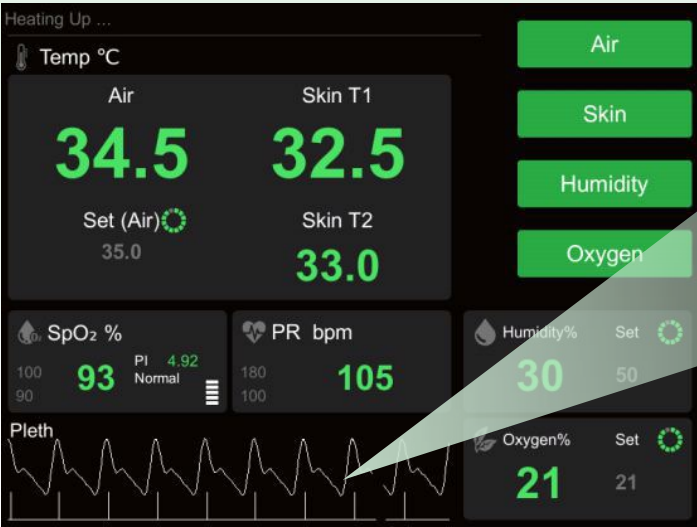


- **O2 servo control and monitoring**
Critical components from Europe, such as Norgren, Camozzi, and City, enable us to build a more stable, accurate, and safe O2 cycle system.

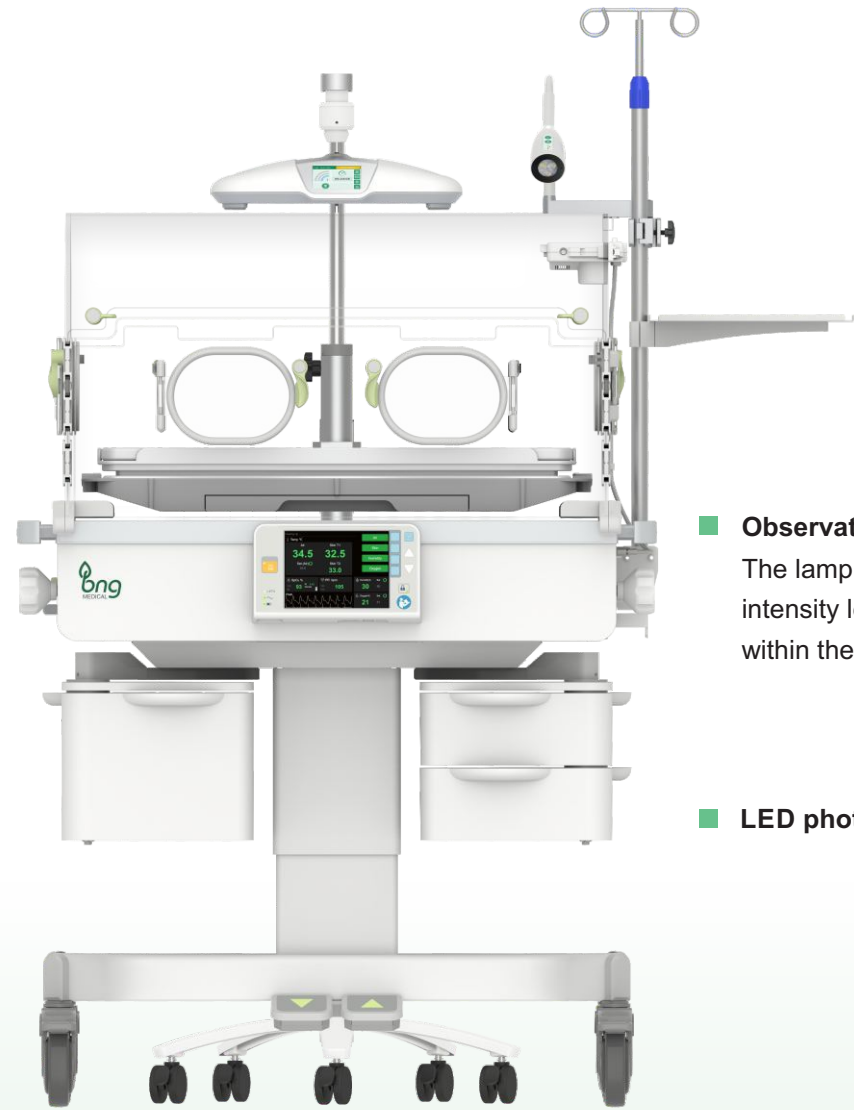
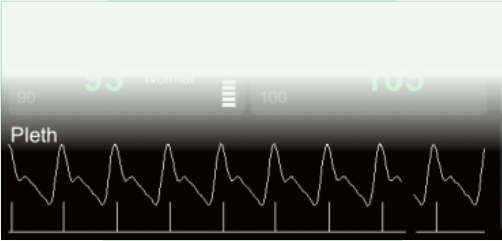


- **Lifting stand**
Adjust the infant incubator's height based on the operator's convenience.





■ **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

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