

**Endless love**  
**To Guard The New Life Safe**



# YP-2800B

Infant Incubator



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**Integrate incubating and monitoring, care for premature and low birth weight infants**

## Infant incubator + neonatal monitor

More powerful functions. Not only help to establish a suitable environment for treatment, but also follow up on vital signs monitoring at all times, and professionally create a comprehensive NICU solution.

# 01. INFANT INCUBATOR MODULE

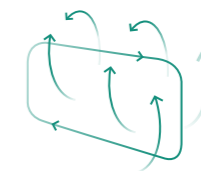
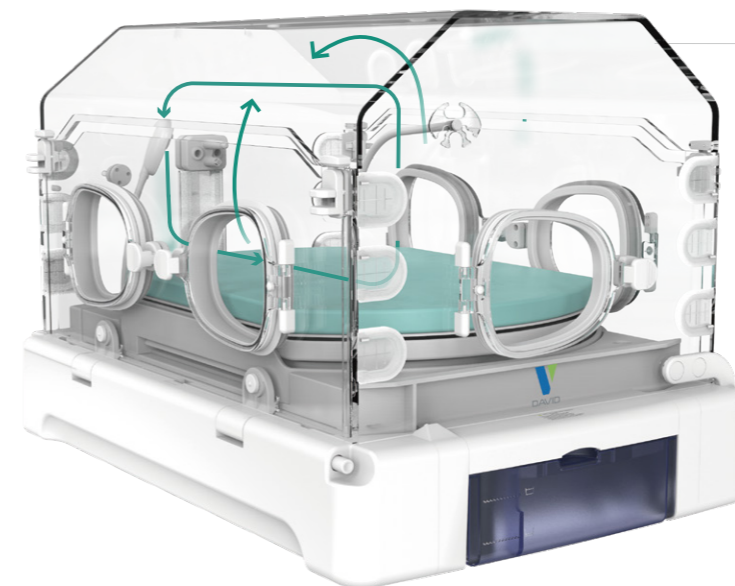
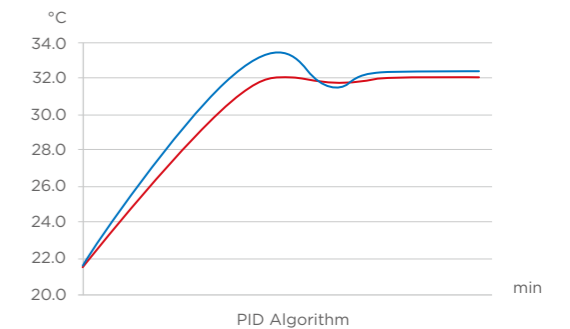
**Life care with love, starting from the newborns**

### 01 Precise control and high-level simulation of maternal incubation environment

- Equipped with an embedded system and an Android display system, the updated PID core algorithm makes the temperature fluctuation in the incubator more stable.

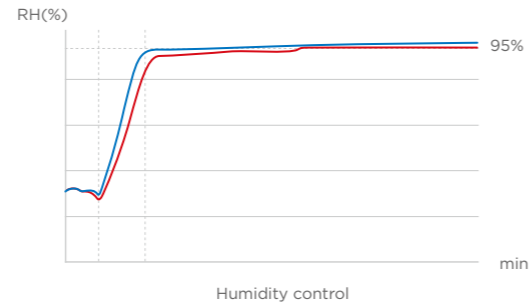
Before the core algorithm is upgraded

After the core algorithm is upgraded



- The scientific air circulation system with front-rear air outlet and left-right air return can form an automatic vertical air curtain when the door is opened, thereby minimizing heat loss.

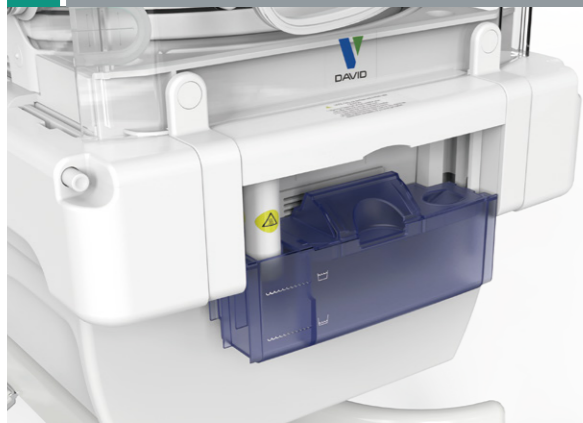
- Humidity sensor collects effective data in real time, quickly reaching 95% humidification effect.



David YP-2800B      Other brands

- Servo oxygen supply can be calibrated with single click (21% or 100%), and the oxygen concentration can be quickly increased to the set value.

## 02 Safe operation, committed to creating a bacteriostatic environment in the incubator



- The high-temperature steam humidification method is used to kill most of the common pathogenic bacteria in the water tank and greatly reduce the risk of infection.

The front transparent water tank is easy to observe the water level, and can be easily disassembled by hands of medical staff to clean and disinfect without dead ends.



System protection

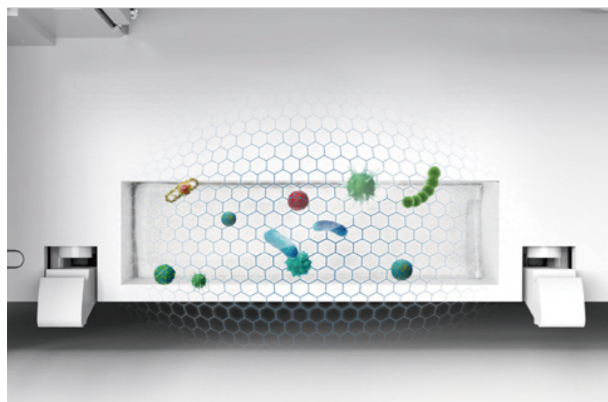


Hardware protection



Mechanical protection

- Triple independent overheat protection, multi-channel sensor monitoring, and timely activation of sound-light alarm provide multiple safety protections.



- Built-in filtering device can effectively filter more than 99% of dust, creating an antibacterial environment in the incubator, and facilitating disassembling and replacement.

# HELP WITH LOVE, STARTING FROM CARE

## 01 Human-machine interaction for efficiently simplifying clinical care procedures



- LCD display screen: 10.4 inch TFT color LCD touch screen, large characters clearly visible from a long distance, convenient for observation and operation of medical staff.

Night mode can be set to reduce the impact of light stimulation on newborns.

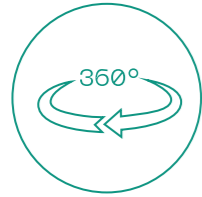
- The two-way pull-out storage drawer can accommodate a variety of small medical devices, and the external storage basket can properly accommodate cables and other accessories.



- The flat skin temperature sensor probe is less liable to shedding.



- The height of the whole machine can be adjusted from both sides to meet the operations of medical staff with different heights.



- 360° bilateral rotating infant bed allows medical staff to observe and care for newborns in all directions, reducing external stimulation.

Pressure-relief waterproof mattress is made of TPU material, which is soft and breathable, thereby improving the comfort of newborns and protecting the integrity of the skin.



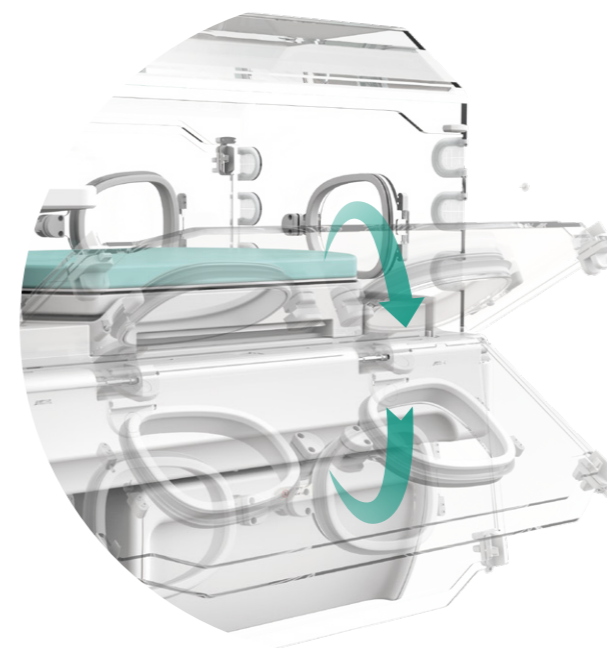
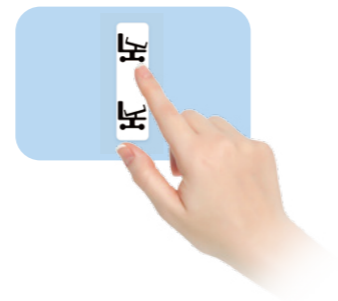
- Frequency-variable DC motor is used to effectively reduce the noise inside the incubator and provide a comfortable therapeutic environment.



- The two-way pull-out X-ray cassette can be placed under the bassinet, eliminating the need to move the newborns.

- One-button electric control bassinet can be adjusted smoothly and tilted at multiple angles.

Optional bassinet angel display function equipped with weigh system support the bassinet tilting angel simultaneously displayed by an LCD screen, supporting one-key leveling and more convenient for operation.



- The panel damping system ensures the door panel to fall down in silence without handling.

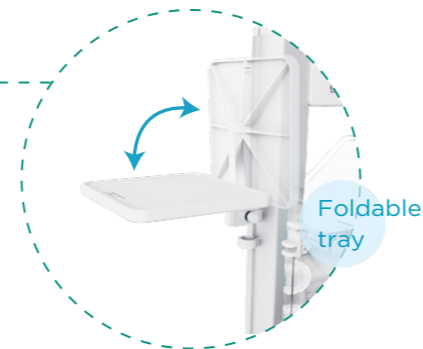
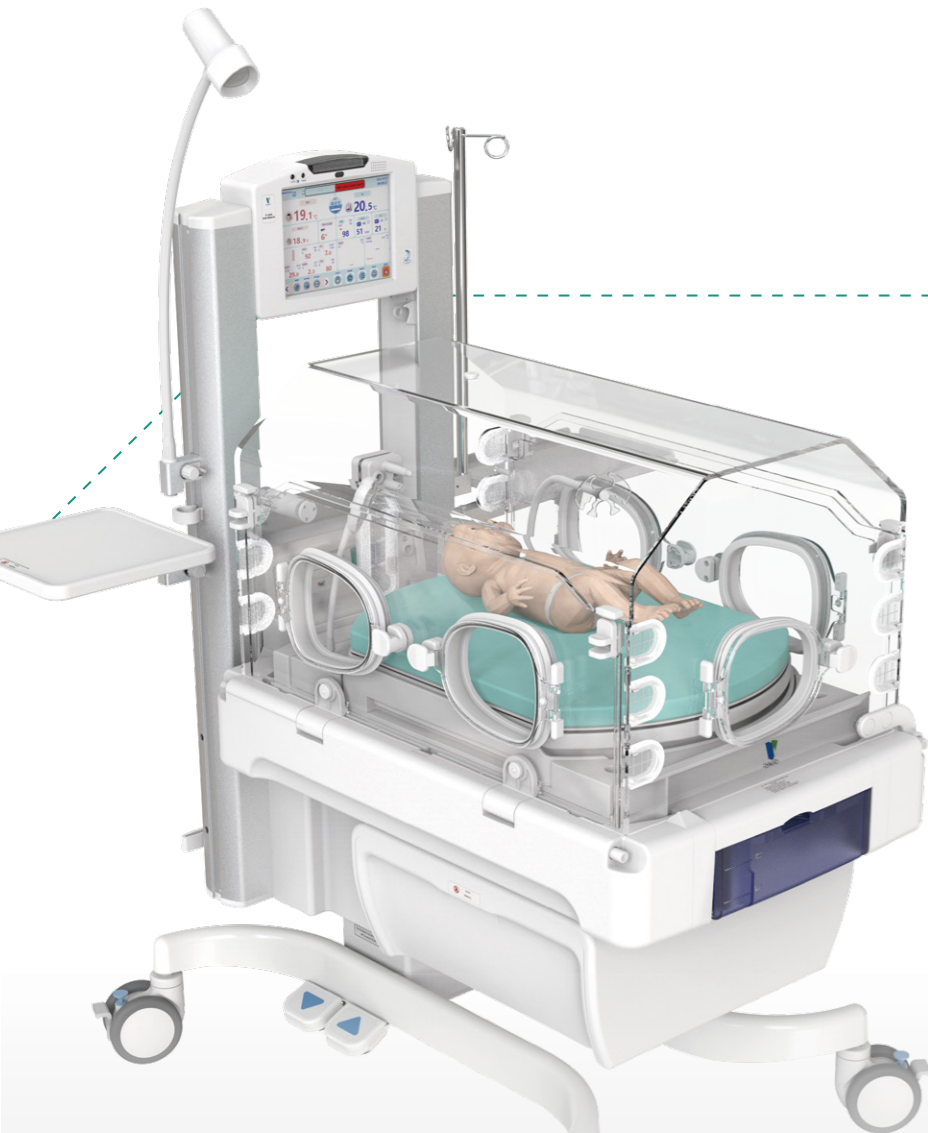
Optional

## EMPATHY WITH LOVE, STARTING FROM FAMILY



- Built-in weighing system, easy to measure the weight of children and monitor the weight trend changes.

Optional



Foldable tray

- Foldable tray for easy storage without disassembling.
- The hood body is made of acrylic material, which is colorless and environmentally friendly, transparent and visible, and medical staff can easily observe the treatment of children in the incubator from a distance.



- The first domestic kangaroo mode: Effectively maintaining the temperature in the incubator, supporting kangaroo-style care, reducing parents' anxiety, and facilitating newborns' physical and mental development.



- Camera: capable of carrying out local imaging and video recording and convenient for clinical review.

Optional



## 02. SPECIAL MONITORING MODULE FOR NEWBORNS

Optional

01 Developed for the newborns, starting from the heart



### Hemoglobin monitoring

The perfusion variation index (PVI) enables clinicians to assess the patient's infusion status, and non-invasively and continuously measures the hemoglobin SpMet in the blood to assess the total blood oxygen content SPOC.

### Masimo Rainbow SpO<sub>2</sub> pulse oximetry monitoring system

- ① When combined with clinical assessment, the sensitivity of screening for critical congenital heart disease (CCHD) can be increased to 93%.
- ② Can significantly reduce the incidence of severe retinopathy of prematurity (ROP)<sup>1</sup>.
- ③ Effectively eliminate movement interference and improve the measurement performance under low perfusion and body movement states<sup>2</sup>.



### ECG monitoring

3-lead or 5-lead monitoring of neonatal ECG waveform and heart rate.



### RESP respiratory monitoring

Continuous monitoring of respiratory rate based on the thoracic impedance method.



### SunTechi NIBP non-invasive blood pressure monitoring

It has double protection function of software and hardware.



### Masimo CO<sub>2</sub> monitoring

Provides two measurement methods: mainstream and external side flow to monitor CO<sub>2</sub> accurately in a real-time manner.



### Apnea wake-up monitoring

It has the functions of close monitoring, real-time prompt and comprehensive protection to adopt early intervention for neonates at risk of apnea.

## CONFIGURATION TABLE

( ✓ Represents for standard function, ▲ Represents optional function. )

Infant incubator module			
Controller	10.4-inch TFT color LCD touch screen	Panel damping system	▲
Temperature servo control	Air mode, baby mode, kangaroo mode	Weighing system	▲
Humidity concentration control function	✓	The tilting angle of the bassinet display/adjustment function, one-key leveling function	▲ Equipped with weighing system
Oxygen concentration control function	✓	Camera function	▲
Skin temperature sensor	✓	External observation lamp	▲
>37°C temperature set function	✓	Ambient temperature and humidity monitoring function	▲
Vertical height adjustment stand	✓	Temperature overshoot	< 1.0 C
Electric tilting system	✓	Monitoring tray	▲

Special monitoring module for newborns			
SpO <sub>2</sub> monitoring	▲	Hemoglobin monitoring	▲
ECG monitoring	▲	CO <sub>2</sub> monitoring	▲
NIBP monitoring	▲	Apnea wake-up	▲
Power voltage	AC110-120V, 50/60Hz or AC220-230V/ 50/60Hz , 1300VA		
Failure alarm	Power failure alarm, fan motor alarm, sensor alarm, deviation alarm, over-temperature alarm, water shortage alarm, water tank position alarm, system alarm, SpO <sub>2</sub> Falarm, ECG alarm, RESP alarm, NIBP alarm, CO <sub>2</sub> alarm and so on.		
Product dimension	L1140mm × W660mm × H1515-1715 mm		
Product weight	130kg		

<sup>1</sup> <Castillo et al. Prevention of retinopathy of prematurity in preterm infants through changes in clinical practice and SpO<sub>2</sub> Technology.> Acta Paediatr.2011 Feb;100(2):188-92

<sup>2</sup> <Performance of Three New-Generation Pulse Oximeters during Motion and Low Perfusion in Volunteers.> Shah N., Ragaswamy H.B., Govindugari K., Estanol L. J Clin Anesth. 2012 Aug;24(5):385-91.