

Endless love To Guard The New Life Safe

- Hypothermia trolley, suitable for a variety of medical environments, flexible and convenient to use

Ergonomic design, made of aluminum alloy, sturdy and durable;

Quiet casters to reduce noise when moving;

2 storage baskets, which can properly place cables, sensors and many other accessories;

The infusion stand for hanging injection bottles, simplify nursing procedures.

Optional



MH-100A

Neonate Hypothermia Device



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**SMALL AND SMART
EFFICIENT AND STABLE**

A small semiconductor refrigeration neonate hypothermia device.



The MH-100A Neonate Hypothermia Device, simplified hypothermia therapy, provides a more effective therapeutic option for the newborns with neonatal hypoxic-ischemic encephalopathy (HIE).

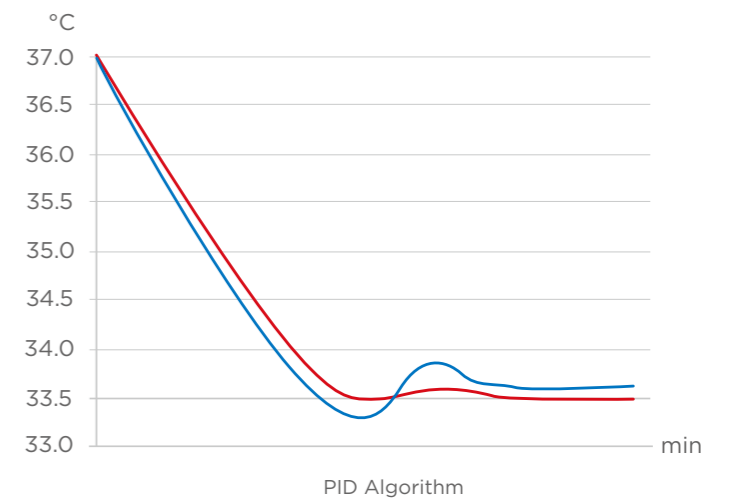
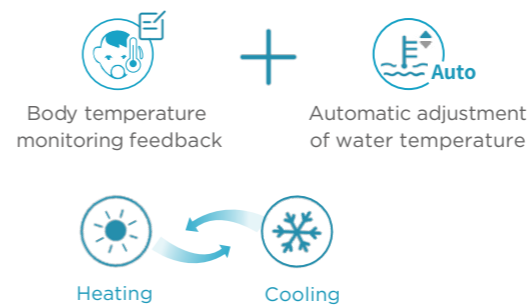
About Neonate Hypothermia Device

Hypothermia therapy has been widely used in the clinical treatment of neonates and children, and has become an essential cooling method in the clinical practice. It provides long-term continuous treatment, promote the recovery of neurological function of brain tissue, play an effective role in brain protection, and significantly reduce the mortality of newborn with HIE and the incidence of serious disability at 18 months.

SMALL AND SMART, EFFICIENT AND STABLE — NEW SEMICONDUCTOR REFRIGERATION TECHNOLOGY

■ Small thermal inertia, precise temperature control

Intelligent temperature control system, PID core algorithm upgrading, precise control of newborn's body temperature by automatic adjustment of water temperature rise and fall, and body temperature monitoring feedback.



Creative cooling capacity control technology based on the physiological characteristics of newborns, realizing fast cooling/heating switching without refrigerant, creating a safe and stable clinical treatment environment.

Before the core algorithm is upgraded After the core algorithm is upgraded

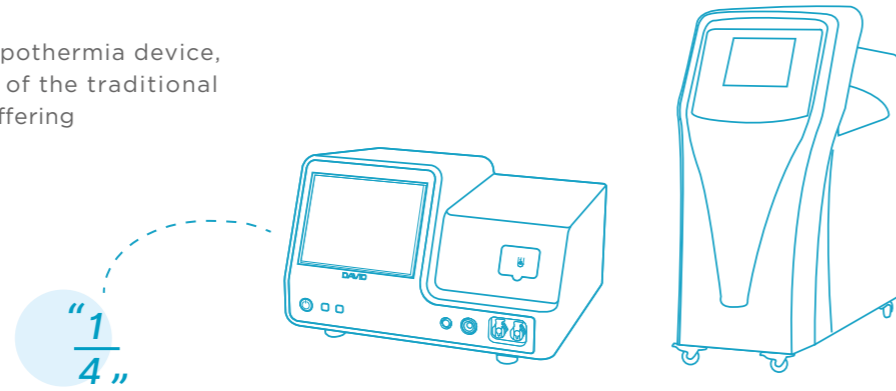


■ Low noise

No vibration of the device, creating a quiet medical treatment environment.

■ Small size

Small semiconductor neonate hypothermia device, with the volume being about 1/4 of the traditional vertical temperature controller, offering "unrestricted" space for NICU.



MULTIPLE MODES, INTELLIGENT ADJUSTMENT

Intelligently adjustment of newborn's body temperature according to the deviation between the actual temperature and the set temperature to improve the treatment comfort.

"How to achieve the complete hypothermia therapy" ?

a-b: Induced Cooling Period

Reduce the newborn's body /rectal temperature to 33.5C -34C within 2 hours through the temperature control blanket. Users can set the cooling rate according to actual needs.

b-c: Hypothermia Maintenance Period

Maintain the newborn's body temperature at 33.5 C -34 C. Guarantee the treatment safety and reduce the occurrence of complications through real-time monitoring of various data.

c-d: Slow Rewarming Period

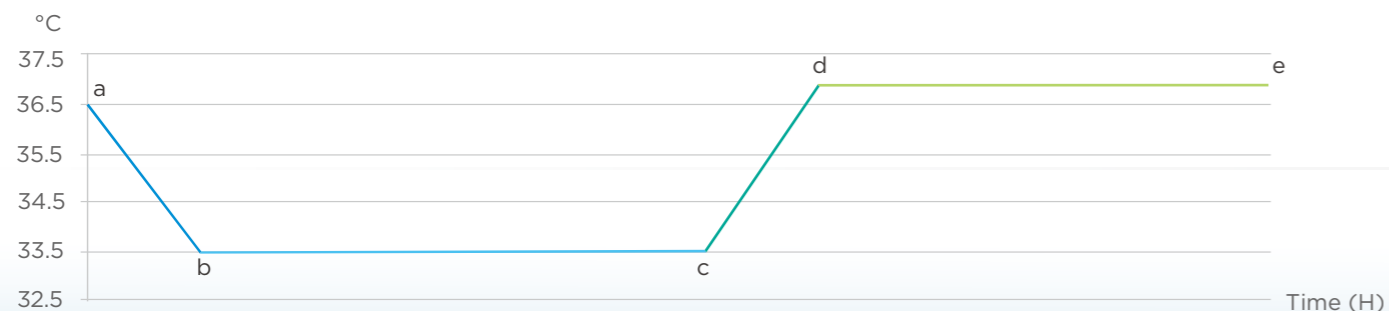
Users can set the rewarming rate according to the actual needs, and gradually return to 37 C. Intelligent gradient warming system, suitable for most clinical environments.

d-e: Warming Period

Maintain the target value of rewarming to ensure a constant temperature state after treatment.

■ Automatic operation mode (rectal)

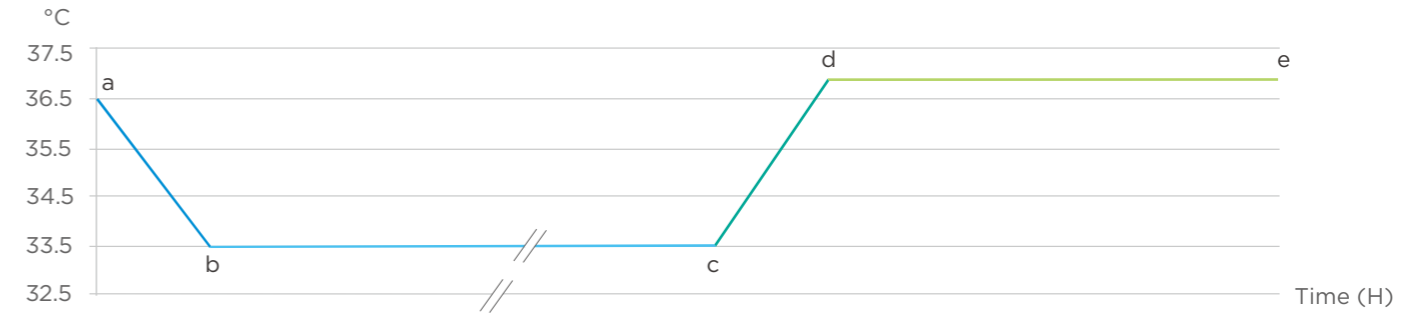
Preset 7 treatment options by the medical staff of the target value of newborn's rectal temperature and the treatment duration, fully automatic treatment.



b-c: Setting of the treatment time from 0 to 100h for 72h in default.

■ Constant-temperature rectal mode

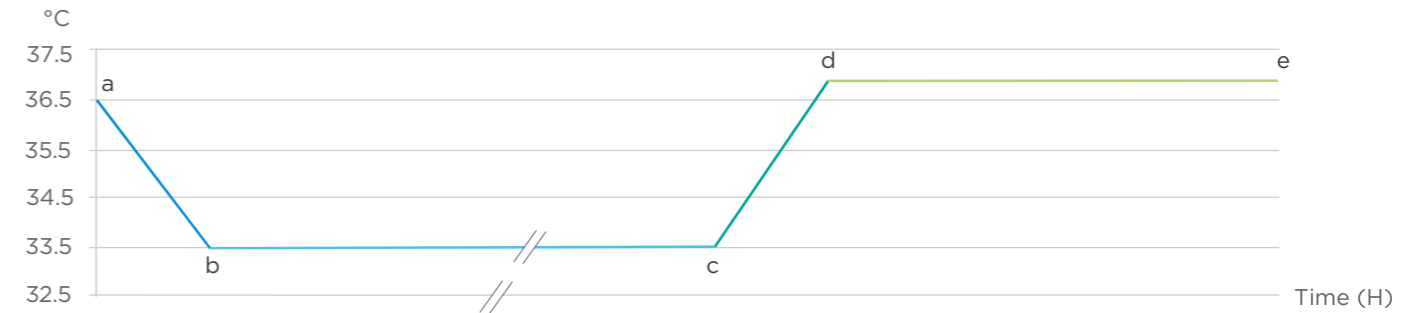
Control of newborn's core body temperature by directly setting the target value of newborn's rectal temperature.



b-c: Choose to end the treatment early at any time to enter the slow rewarming period (c-d).

■ Constant temperature blanket mode

Control of newborn's core body temperature by directly setting the target value of water blanket temperature.



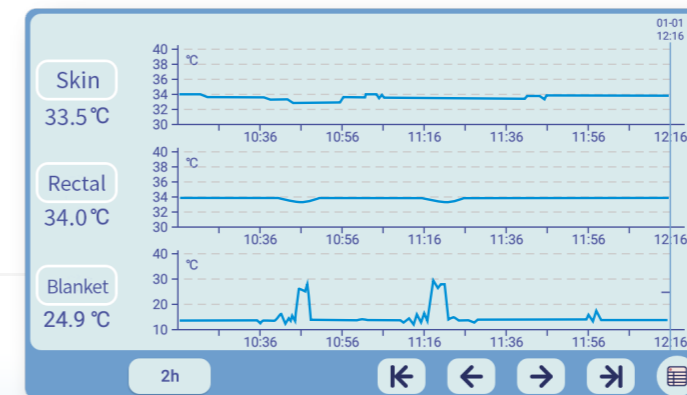
b-c: Choose to end the treatment early at any time to enter the slow rewarming period (c-d).

■ Backup mode

During the hypothermia maintenance period, if a deviation alarm occurs, it will enter the backup mode, so that the temperature of the water blanket is maintained at about the temperature before the abnormality, providing the safety guarantee.

■ Trend table, evidence-based clinical diagnosis

Real-time display of the skin temperature, rectal temperature, and water blanket temperature curve trend graphs, providing a comprehensive understanding of the newborn's overall situation, offering the medical staff an accurate diagnosis proof.

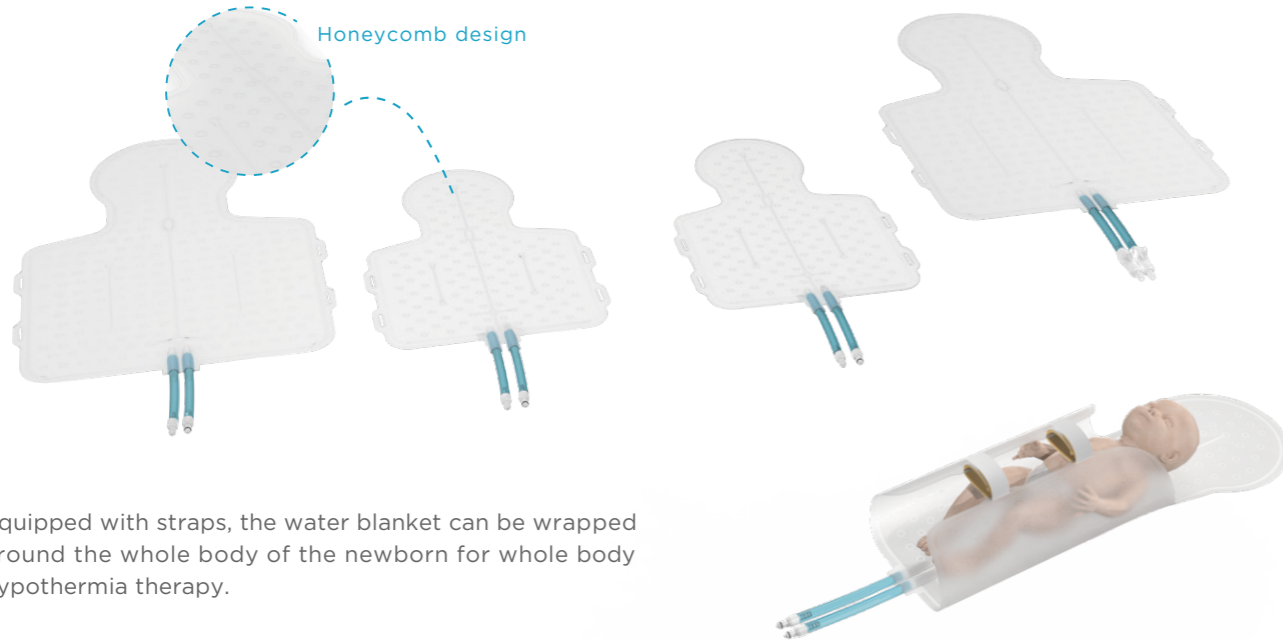


HUMAN-COMPUTER INTERACTION, FOCUS ON CLINICAL APPLICATION

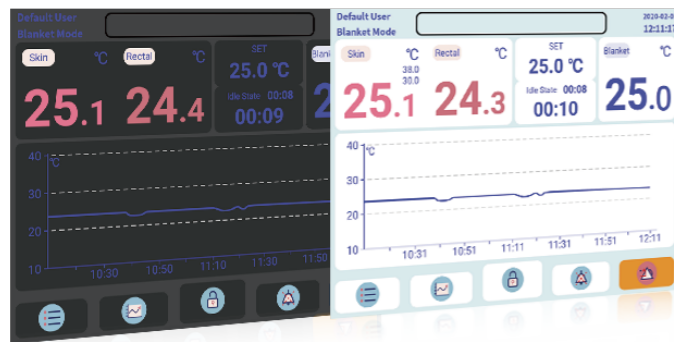
- Optional multiple models of water blankets as needed, economical and practical

Medical TPU material, characterized by low temperature resistance, ozone resistance and long service life, convenient for cleaning and disinfection;

Internal honeycomb design for smoother water circulation, more balanced temperature of water blanket, and faster heating/cooling efficiency;



Equipped with straps, the water blanket can be wrapped around the whole body of the newborn for whole body hypothermia therapy.



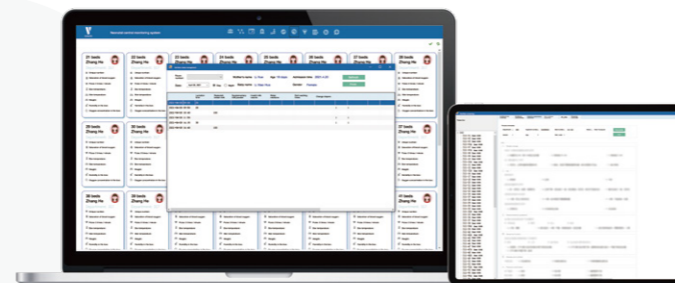
- 8-inch LCD color touch screen with centralized display of various data, clear at a glance, more convenient to set and record;

Screen brightness adjustable from level 1 to 5, night mode can be set to reduce light stimulation, creating a comfortable treatment environment for newborn.

- Data output to facilitate academic research

Built-in transmission interface to support the storage and output of clinical treatment data.

Cooperate with the patient information management system to facilitate the clinical review and facilitate the academic research.



THE FIRST MODULAR DESIGN FOR SAFE OPERATION



- Selected imported CPC two-way quick hydraulic joint, for rapid inserted and pulled out, effectively prevent the splash of liquid, creating a tidy clinical environment.

- Electric water filling/draining function, convenient for medical staff to operate safely.

- Triple independent temperature protection, timely activation of three-level acousto-optic alarm to provide multiple safety protections.

- Power-off memory function, able to continue the treatment according to the original state after power failure recovery.

- Can be used in conjunction with an EEG monitor to create a "one-stop" solution for encephalopathy diagnosis and treatment.

Providing medical staff with an important method for early diagnosis, prognosis and early intervention of brain injury.

