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Product Name :

Newborn Warmer System Basic

Product Code :

SLE/RAE/09



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Description :

Newborn Warmer System Basic (Product Code: SLE/RAE/09) is a portable, nest-type neonatal warming system used to help premature babies maintain an appropriate body temperature in wards, clinics and smaller health facilities. It combines a servo-controlled unit, a low-voltage heating pad, a water mattress holding about 4.5 L and a nest frame, and it can run from mains or a 24 V battery. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**,Ambala, India.

Specifications

Parameter	Detail
System components	Control unit, heating pad, water mattress and inflatable BabyNest frame with cotton cover
Temperature setting	Pre-set 37 °C; adjustable 35–38 °C in 0.1 °C increments
Control	Electronic servo temperature control; heating-pad control accuracy ±0.1 °C
Warm-up	Automatic to 37 °C; about 20 min to stabilise from 20 °C (shorter if the mattress is filled with lukewarm water)
Warming capacity	About 4–5 °C per hour (room about 22 °C, 4.5 L of water, on a baby-bed mattress, covered with the nest and a sheet)
Heat retention	Water mattress cools about 1 °C per hour, giving roughly 2 hours to restore power
Self-checks	Integrity test of all system parameters every 5 minutes; self-test of all functions and the internal safety circuit at switch-on
Over-temperature alarm	At a water temperature of 39.5 ±1 °C; auditory alarm 55 dB
Display	Large colour display of operational status, set and measured values
Heating pad	Flexible, waterproof, PVC; slides under the mattress; 24 V DC from the control unit (listed as BW-50 007) on mains, or 24 V DC from a 12–24 V battery source
Water mattress	Strong, soft medical-grade PVC; filled with about 4.5 L of water at about 36 °C
Nest cover	Cotton and polyester; wash at 60 °C recommended (tolerates 90 °C but lifetime may shorten)
Mains power	110–240 V AC or 110–120 V AC, 50/60 Hz
Battery power	24 V DC, or 12 V DC with limited warming capacity; external battery connection under the control unit
Power consumption	50 W (10 W when the control unit runs from a 12 V battery)
Internal battery	Alkaline 1.5 V, size LR6 (AA), for the power-failure alarm only
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