

The Being BIN-3000B Infant Incubator (VM-BIN-3000B) is a computer-controlled neonatal incubator with servo-controlled air and skin temperature modes, both adjustable from 25.0°C to 37.0°C, plus a high temperature setting above 37°C (37.1°C to 39.0°C in air mode and 37.1°C to 38.0°C in skin mode). It provides a skin sensor accuracy of ≤ ±0.3°C, air control accuracy of ≤ 0.5°C, mattress temperature uniformity of ≤ 0.8°C and operating noise of ≤ 55dB(A). Features include various self-check alarms, free-step mattress tilting adjustment, a removable humidity reservoir, a transfusion shelf and tray, a guardrail and an RS-232 connector. The unit runs on ~220V 50Hz or ~230V 60Hz with power consumption of ≤ 450VA, and phototherapy is available as an option. The BIN-3000B

comprises the main engine (baby cabin and chassis), integrated sensor box, skin temperature sensor, lighting lamp, infusion rack, tray and machine foot. Available in South Africa from Vital Medical.

Servo-Controlled Temperature Technology

An infant incubator is an enclosed, thermally controlled baby cabin that keeps a newborn warm when the infant cannot regulate body temperature unaided. The Being BIN-3000B (VM-BIN-3000B) uses computer-based servo control of both air temperature and skin temperature. In air mode, the incubator holds the cabin air at the set temperature between 25.0°C and 37.0°C. In skin mode, a skin temperature sensor reads the infant's temperature directly and the incubator adjusts its heat output to maintain the set value, also between 25.0°C and 37.0°C. A high temperature setting above 37°C extends the range to 39.0°C in air mode and 38.0°C in skin mode, with an air over-temperature limit below 38.0°C and a high temperature mode alarm below 40.0°C. Control accuracy is ≤ 0.5°C for air and ≤ ±0.3°C for the skin sensor, and mattress temperature uniformity is ≤ 0.8°C, so warmth is distributed evenly across the infant's resting surface.

Alarms, Monitoring and Clinical Handling

Patient safety in a neonatal unit depends on early warning, and the BIN-3000B includes various self-check alarms. The air mode alarm is set at ±3.0°C and the skin mode alarm at ±1.0°C from the set temperature, so staff are alerted to deviations before they become clinically significant. Operating noise is ≤ 55dB(A), which helps keep the neonatal environment quieter. Clinical handling features include free-step mattress tilting adjustment to position the infant, a removable humidity reservoir that is easy to clean, a guardrail, and a transfusion shelf and tray for supporting infusion and treatment work at the bedside. An RS-232 connector is provided for data connectivity. Phototherapy is available as an option, with Being BBP-1000B/2000B and BBP-3000B phototherapy units offered for use with this incubator model.

Components, Power and Deployment

The BIN-3000B is supplied as a complete system comprising the main engine (including the baby cabin and chassis), an integrated sensor box, a skin temperature sensor, a lighting lamp, an infusion rack, a tray and the machine foot. It operates on ~220V 50Hz or ~230V 60Hz with a maximum power consumption of ≤ 450VA. It suits neonatal intensive care units, special care baby units, maternity wards and regional or district hospital neonatal services that need dependable, servo-controlled thermal support for premature and newborn infants. Available in South Africa from Vital Medical, the Being BIN-3000B (VM-BIN-3000B) gives procurement teams a clearly specified incubator with documented temperature performance, alarm thresholds and an optional phototherapy upgrade path.

TECHNICAL SPECIFICATIONS TABLE

Specification	Detail
Brand	Being
Model	BIN-3000B Infant Incubator
SKU	VM-BIN-3000B
Electrical requirement	~220V 50Hz or ~230V 60Hz
Power consumption	≤ 450VA
Air mode temperature range	25.0°C ~ 37.0°C
Skin mode temperature range	25.0°C ~ 37.0°C
Air over temperature range	< 38.0°C
Air mode high temperature range	37.1°C ~ 39.0°C
Skin mode high temperature range	37.1°C ~ 38.0°C
High temperature mode alarm	< 40.0°C
Air mode alarm	± 3.0°C
Skin mode alarm	± 1.0°C
Skin sensor accuracy	≤ ± 0.3°C
Air control accuracy	≤ 0.5°C
Mattress temperature uniformity	≤ 0.8°C
Noise	≤ 55dB(A)
Temperature control	Air and skin temperature servo-controlled by computer
Mattress	Free-step tilting adjustment
Humidity reservoir	Removable, easy to clean
Accessories and fittings	Transfusion shelf and tray, guardrail, infusion rack, lighting lamp

Specification	Detail
Connectivity	RS-232 connector
Phototherapy	Optional (BBP-1000B/2000B, BBP-3000B)
Composition	Main engine (baby cabin, chassis), integrated sensor box, skin temperature sensor, lighting lamp, infusion rack, tray, machine foot