

NEONATAL RESUSCITATION CARE SYSTEM NRC 100

AESTHETIC • ULTRA-MODERN • SECURE



PHOENIX
enabling life

EASY access CUSTOM built

The scientifically designed structure of the NRC 100 provides easy all-round accessibility. The crevice-free plastic body with rounded edges and smooth contours makes it safe and very easy to clean and maintain. Even a student nurse will be able to handle it!

NEONATAL RESUSCITATION CARE SYSTEM NRC 100

The **PHOENIX NRC 100** has been designed to international specifications in infant care. It is a must for every labour room, suite and Resuscitation corner in all birthing centers and hospitals .

FEATURES

Control panel

- Intuitive and easy-to-use design
- Large, bright display
- Keys positioned for maximum convenience

Resuscitation unit with hand operated port

- Safer and more reliable
- Autoclavable tubing

Suction unit

- Oxygen powered
- No need for electricity (electrical unit optional)

Oval-shaped baby bed with side panel

- The single-piece, crevice-free bed is easy to clean. Its oval shape permits all-round access.

Probe

- Interchangeable—no field calibration required
- Thermistor sensor for quick response
- Wires are easy to clean, long lasting

Safe, efficient, splash-proof heater unit

- Swivels away from bed to make room for an X-ray unit

Alarm system

- Clear visual and acoustic alarms for complete infant safety
- Separate electronics to monitor system failure and heater failure

Castors

- Effortless mobility on four smooth-running swivel castors
- Integral brakes and low centre of gravity ensure optimal stability. Antistatic castors can be provided optionally.

Handle

- Conveniently positioned to move the equipment

IV stand (optional on both sides)

- One IV pole is provided. Multiple infusion pumps may be mounted and used simultaneously.
- One Monitor tray is provided

Examination lamp

- Halogen or LED based examination lamp is provided to illuminate the infant bed

Optional Features

Height Adjustment

Simple to adjust the height as per the user's convenience and can be operated from both sides .

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Specifications

Electronics: Self-checking microcontroller based Servo control system.

ELECTRICAL SPECIFICATIONS

Operating Voltage	-	240v AC~, 50 Hz, Single phase
Quartz IR Heater placed in a parabolic reflector	-	600w
Observation lamp	-	LED or Halogen based lamp
Main supply Fuse	-	4A
Observation Lamp Fuse	-	1A
Power consumption (Max)	-	800w

SKIN TEMPERATURE PROBE

Display Range	-	15 °C to 50 °C
Accuracy	-	+/- 0.2 °C
Resolution	-	0.1 °C
Probe Interchangeability	-	+/- 0.2 °C
Infant Set Temperature range (Servo Mode)	-	32° C to 38° C
Heater output control range (Manual Mode)	-	0% to 100% (in 10% increments)
Heater life time	-	12 months

ALARMS

Audio and visual alarms	-	High infant temperature
	-	Low infant temperature
	-	Probe failure
	-	Heater failure
	-	Power failure
	-	System failure
	-	Over temperature

RESUSCITATION:

Oxygen inlet pressure	-	3bar - 6 bar
Oxygen flow rate control (Auxiliary oxygen)	-	0 - 12 LPM
Oxygen flow rate control (With Humidifier)	-	0 - 15 LPM
Breathing rate control	-	Manual
Maximum airway pressure	-	35 cm H ₂ O
Adjustable airway pressure	-	10 - 35 cm H ₂ O

SUCTION CONTROL

Suction range	-	0-300mm Hg
Suction Gauge range	-	0 - 760 mm Hg

Manufactured to standards

IEC 60601 - 1, IEC 60601 -1 -2, IEC 60601 -2-21

Product classification II b

NEONATAL RESUSCITATION CARE SYSTEM NRC 100

PHYSICAL DIMENSIONS:

Length	-	1200 mm
Width	-	760mm
Height	-	1950mm
Infant Bed	-	Oval shaped bed for greater accessibility
Infant bed dimensions	-	720 mm (L) x 620mm (W)
Bed tilting at desired angle	-	± 10 degree
Bed rotation	-	± 60 degree
X – Ray Provision	-	Provision to take X-rays with the help of portable machine without shifting the baby.
Heater swiveling	-	Provide the rotation of the heater without disrupt the infant while taking the x – ray
Mobile Castors	-	100 mm (4") with brake

COATING:

Epoxy/Powder coating for scratch resistance and rust protection.

STANDARD ACCESSORIES:

- Height Adjustable IV stand
- Mayo tray
- Oxygen cylinder clamping facility
- Power cord
- Skin Temperature probe
- T Piece circuit
- Braided o2 hose – 3m
- Suction bottle
- Humidifier bottle
- Silicon tube – 75,100,125 cm each 1
- Mask – Size 0, 1

OPTIONAL ACCESSORIES:

- O2 cylinder with pin index

ELECTRICAL PROTECTION

Type of protection against electric shock	-	Class 1
Degree of protection against electric shock	-	Type B
Mode of Operation	-	Continuous
Ingress Protection	-	IPX0 (Not protected)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range	-	18° C to 30° C
Relative humidity Range	-	10% to 75% RH
Atmospheric pressure	-	700 to 1060 hPa
Transport and Storage: Temperature Range	-	10° C to 60° C
Relative humidity Range	-	10% to 90% RH
Atmospheric pressure	-	500 to 1060 hPa