

COMPREHENSIVE INFANT CARE CENTRE

CIC 101

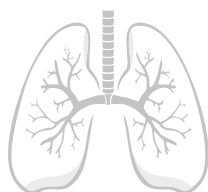


The CIC 101 from PHOENIX is simply the most sophisticated neonatal open care system available today. It has been designed to meet the requirements involved in providing care for the preterm infant and to meet the critical situations that may arise in providing such care. CIC 101 is remarkably convenient and user friendly, the space around the infant is organized efficiently for the convenience of care-givers, the mother and visitors.



Dual temperature monitoring for accurate thermal environment

The CIC helps keep infants warm, comfortable and healthy by continuously and accurately maintaining a constant temperature.



Electronic blending resuscitation or CPAP + suction unit

The flow-based operation of the CPAP unit is infant- friendly and eases breathing. During an emergency, the infant can be resuscitated.



Pulse oximeter

The flow-based operation of the CPAP unit is infant- friendly and eases breathing. During an emergency, the infant can be resuscitated.



Weighing scale

The built-in weighing scale allows hassle-free measurement of the infant's weight without moving or disturbing the infant.



Foot Operated Height adjustments

The height of the bed (along with the control display panel and the warmer unit) may be adjusted to the convenience of the caregiver. Foot switches are provided on both sides for easy access.



Tilting and rotation of bed

The gas-assisted mechanism tilts the bed 12° smoothly to both Trendelenburg and reverse Trendelenburg positions when required. The bed can also be rotated 60° degree for easy access to the infant.



Non touch examination lamp

The two soft-start examination lamps help examine with minimal disturbance to the sleeping infant. The lamps can be controlled using an innovative non-touch system, ensuring reduced risk or spread of infections.



Quick infant access & Minimal risk infection

The oval-shaped, single-piece, crevice-free bed is easy to clean. Thus bacterial growth is reduced, the oval shape gives easy access to the infant from anywhere around.



Intelligent safety alarm

The visual and audible alarms alert the caregiver if the set measured value crosses the set limits. Apilot lamp attached to the warmer gives a visual indication.



Removable X-ray sheet

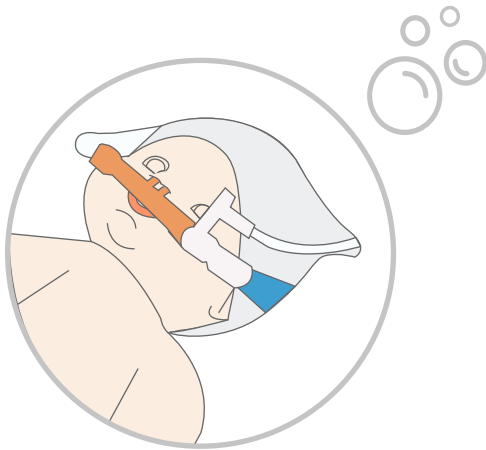
X-ray trays can be slid in and out of the X-ray compartment without disturbing the infant while taking X-rays.



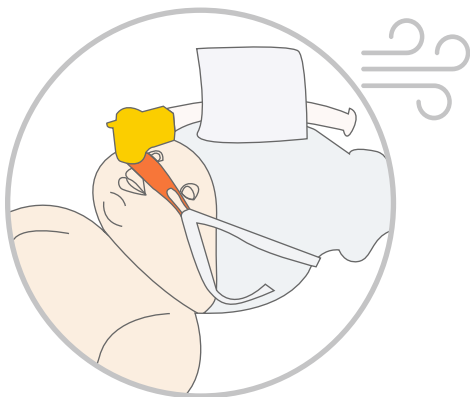
7 Inch Display

7-inch touch screen colour display clearly displays the set and measured vital parameters in a single screen.

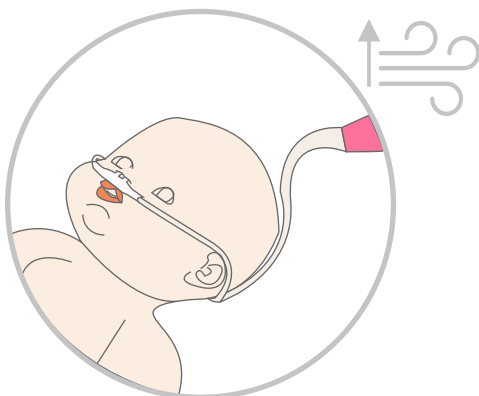
CPAP



Bubble	Size	Part number	Quantity
Patient circuit		PMS -YD5	3 no's
Bubble nasal prongs	1	PMS -Y-061	3 no's
	2	PMS -Y-062	3 no's
	3	PMS -Y-068	3 no's
Bonnet	S	PMS -Y-025	3 no's
	M	PMS -Y-026	3 no's
	L	PMS -Y-027	3 no's
Bubble generator		IMP-100030	3 no's

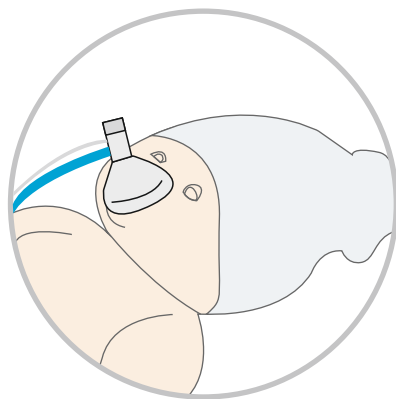


Flow	Size	Part number	Quantity
Patient circuit		PMS -YD1	3 no's
Flow nasal prongs	XS	PMS -Y-014	3 no's
	S	PMS -Y-013	3 no's
	M	PMS -Y-004	3 no's
Bonnet	XS	PMS -Y-015	3 no's
	S	PMS -Y-016	3 no's
	M	PMS -Y-017	3 no's
Flow generator		30160909	3 no's



High Flow	Size	Part number	Quantity
Patient circuit		PMS -YD1	3 no's
High flow nasal cannula	Premature	20070022	1 no
	Neonate	20070023	1 no
	infant	20070024	1 no

RESUSCITATION



Flow	Size	Part number	Quantity
Suction Jar		PN-0015-00	1 no
T - Piece Resuscitator		PMS-YD4	1 no
Mask	0	IMP-00042-00	1 no
	1	IMP-00043-00	1 no

ACCESSORIES

STANDARD

Part number

Air & Oxygen Hoses	IMP-00027-00 & IMP-00026-00
IV Pole	20040026
Power Cord	EL-0294-00
Skin Temperature Probe	STP100
Air Compressor	MEH-100110

OPTIONAL

CPAP Accessories

Part number

Servo Humidifier	20100015
Single Use Chamber	20100017
Re-usable Chamber	20100018

Masimo Accessories

Part number

Masimo SpO2 Sensor Cable	XXXXXXXX
Masimo Extension Cable	XXXXXXXX

CE 0123

CDSCO Registration No. : 000379 / 2020

Phoenix Medical Systems Private Limited

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TECHNICAL SPECIFICATIONS

Self-checking microcontroller based baby control system

Physical dimensions:

Height+	1840 mm - 2140 mm
Length	1425 mm
Width	940 mm

LCD graphical display with trend facilities 7" colour TFT

Skin Temperature
Heater set value
Baby Weight
Heart rate (BPM)
SpO2

Mechanical

Castors	5" with brakes
Infant bed	Oval shaped bed for greater accessibility
Bed tilt	$\pm 12^\circ$
Bed rotation	$\pm 60^\circ$
Mattress-padding foam density	25 kg/m ³ .
X-ray provision	Provision to take X-rays with the help of portable machines without shifting the infant.
Mattress cover	Memory Foam Mattress, waterproof, washable.

Permits rotation of the heater without disturbing the infant during radiography

Electrical power requirements

Operating voltage	230 V AC ~
Power rating	750W
Fuse rating	4 A
Frequency	50 Hz
Leakage current	0.5 mA
Observation lamp with dimmer controller	12v, 20w (touch free)

Skin temperature probe

Range	6°C to 50° C
Accuracy	$\pm 0.2^\circ$ C
Resolution	0.1° C
Probe interchangeability	$\pm 0.2^\circ$ C

Servo Mode

Set temperature range (Servo)	32° C to 37° C,
Override able up to	38° C

Heater

Single element 600 W quartz infrared heating element placed in a parabolic reflector
Heater Life Time 12months

Manual Mode

Heater output control range (Manual) 0% to 100% (5% increments)

Pre-Warm Mode

Heater output control	60% after 3 minutes
	30% after 12 minutes

+ Height adjustment is optional

Audio and visual alarms

- High / Low infant temperature
- Probe failure
- Heater failure
- Power failure (up to 10 minutes)
- SpO₂ BPM (High / Low)
- System failure with automatic heater cut off
- Power down alarm in manual mode (after 10 minutes, heater power reduce to 60%)
- Manual mode alert alarm (every 15 minutes)
- Over temperature
- High, low oxygen concentration ($\pm 5\%$ from the set value) for CPAP function
- High, low pressure (± 2 cm H₂O from the set value) for CPAP function

Visual alarms (Screen message)

- Peripheral probe failure
- Skin temperature difference (1 deg. C between two probes)

Battery backup

For nCPAP and for temperature monitoring 1 hour (max)

APGAR Timer (Optional)

Works in Pre-Warm mode only

Beep sound at 1, 3, 5 & 10th minutes

Stop at 20 minutes

Integrated timer

1 to 59 min, with count-up and count-down feature

TIMER (Optional)

Works in Manual and Baby servo mode

UP / Down

Internal Weighing Scale (Optional)

Accuracy ± 10 g

Load capacity 10 kg (max)

RESUSCITATION: (Optional)

Breathing aid

Airway ventilation outlet (hand operated port)

Oxygen flow rate control 0 _ 8 Lit/min.

Breathing rate control Manual

Maximum airway pressure 35 cm H₂O

Adjustable airway pressure 10 _ 35 mm H₂O

Suction control

Maximum suction 250 mm Hg

Vacuum gauge range 0 - 760 mm Hg

(Electrical option on request)

Auxiliary oxygen outlet

Oxygen flow control 0 _ 8 Lit/min

Maximum airway pressure 55 cm H₂O

MASIMO PULSE OXIMETER (Optional)

Oxygen saturation range 0% to 100%

Pulse rate range 25 to 240 BPM

Perfusion index 0.00% to 20.00%

CPAP (Optional)

Oxygen flow rate control	0- 8 Lit/min.
O ₂ concentration	21% to 100 %
Oxygen inlet pressure	3 bar to 6 bar
Air inlet pressure	3 bar to 6 bar
Suction pressure	0 to 250 mm Hg
Manometer (digital)	0 to 99 cm H ₂ O
Bar display digital	0 to 20 cm H ₂ O
CPAP pressure	0 to 20 cm H ₂ O

Air & oxygen blender

The patient should always be open to the atmosphere, and the resistance (PEEP) should be generated by flow.

Accessories (Optional)

- Supplied with bonnet and cap for correct positioning of nasal prong
- Supplied with prongs of 3 sizes (small, medium and large)
- Provided with PEEP generator near baby to ease respiratory effort by the baby and reduce dead space.

Standard accessories

- Height-adjustable IV stand
- Mayo trays
- IV pipe for fixing accessories

Coating

Epoxy/powder coating for scratch resistance and rust protection

Electrical protection

Type of protection against electric shock	Class 1
Degree of protection against electric shock	Type B
Mode of operation	Continuous
Protection against hazards of explosion	Not-protected

Manufactured to standards

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

Environmental specifications

Operation temperature range	18°C to 30°C
Storage temperature range	10°C to 60°C
Operating humidity range	0% to 100% RH

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