



Email : sales@laboratoryinstrumentindia.com

**Product Name :**

CPAP,bubble,medical,new-born

**Product Code :**

LBNY-0017-220007



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**Description :**

An electrically powered device designed to deliver high-flow (exceeding peak inspiratory flow) heated and humidified ambient air or air/oxygen to a neonatal patient as part of non-invasive ventilation (NIV); it may additionally be used with a water tank to produce bubble continuous positive airway pressure (bubble CPAP). It is intended for use by a healthcare provider on a spontaneously breathing patient in hospital settings. It consists of a medical air input, an oxygen input, an electronic gas mixer, a heating element, and humidification chamber.

**Technical Specification :**

The unit supports bubble CPAP Mode.  
Specifically for support of neonates and newborns.  
The unit is equipped with an electronic air/oxygen mixer.  
The unit has an integrated FiO<sub>2</sub> analyser.  
The unit accepts inlet gas supply pressures between 3.5 – 6 bar (43 to 87 psi).  
The pressure/flow of the CPAP generator is regulated electronically.  
The unit has an integrated humidifier.  
Suitable for heated and non-heated closed patient circuits  
All components of the system (single-use filters and patient circuits excluded) are suitable for disinfection with hospital grade products.  
Minimum CPAP pressure range is adjustable between 0 and 10 cm H<sub>2</sub>O.  
Maintains constant CPAP at outlet.  
Supplied with pole mounting system, wheeled and with brakes.  
The pole mounting system is equipped with 4 antistatic swivel castors, of which two castors. have been equipped with brakes.

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Equipped with an air filter and a water trap.  
A minimum output flow range adjustable between 0 – 15 L/min.  
Oxygen concentration adjustable between 21 - 100 %.  
Pressure indicator in cmH<sub>2</sub>O.  
Relative humidity output up to 100%.  
Adjustable output temperature up to 36°C.  
Power requirements: 100 - 240 Volts - 50/60 Hz (not necessarily in a single unit).  
Noise emission less than 50 dB.  
Including a clamp for a rail and/or pole.  
External electric heating and humidifying chamber.

#### SAFETY PROVISIONS

The unit is equipped with a rechargeable battery which provides for a minimum of 1-hour autonomous operation.  
In case of power failure, the unit switches automatically to battery power.  
The unit has a built-in safety feature to prevent overpressure in the patient circuit.  
Overheating protection.  
The unit automatic recharges on reconnection to mains.

#### ALARMS

Alarms are audible as well as visual.  
The unit has alarms for the following:  
High/low oxygen concentration (FiO<sub>2</sub>?).  
High airway pressure.  
High temperature.  
System failure.  
Failure in either air or oxygen supply.  
Mains power failure.  
High humidity.  
Low battery.



**Laboratory Instrument India**