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Product Name :

CPAP,bubble,medical,new-born

Product Code :

LBNY-0017-220007



www.laboratoryinstrumentindia.com

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 FiO₂ 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 H₂O.
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.

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 cmH₂O.
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 (FiO₂).
High airway pressure.
High temperature.
System failure.
Failure in either air or oxygen supply.
Mains power failure.
High humidity.
Low battery.



Laboratory Instrument India