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Product Name :

CPAP ,bubble,newborn,w/compressor & SpO2

Product Code :

LBNY-0017-2200033



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 noninvasive ventilation (NIV); it may additionally be used with a water tank to produce bubble continuous positive airway pressure (bubble CPAP). Continuous Positive Airway Pressure (Bubble CPAP) system for the non-invasive respiratory support of normal, premature or low-birth weight neonate with spontaneous breathing. The unit has an integrated pulseoximeter to measure the level of arterial oxygen saturation in blood.

It consists of a gas flow generator that entrains room air, an oxygen input, a heating element, and humidification chamber; it does not include CPAP controlling pressure sensors (i.e., not a full CPAP unit). It is intended for use by a healthcare provider on a spontaneously breathing patient in hospital settings.

Technical Specification :

The unit supports bubble CPAP Mode.

Specifically for support of neonates and newborns.

The pressure/flow of the CPAP generator is regulated electronically.

The unit has an integrated air compressor.

The unit has an integrated FiO₂ analyser.

The unit accepts inlet gas supply pressures between 1.7 – 4.1 bar (25 to 60 psi).

The unit has an integrated humidifier.

The unit is equipped with an electronic air/oxygen mixer.

DISS O₂ connection. (Other type connectors available indicate when ordering).

Supplied with pole mounting system, wheeled and with brakes.

The unit accepts other than the manufacturer patient circuits.

All components of the system (single-use filters and patient circuits excluded) are suitable for disinfection with hospital grade products.

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.

Suitable for heated and non-heated closed patient circuits.

Pressure indicator in cmH₂O.

Noise emission less than 50 dB.

Including a clamp for a rail and/or pole.

CPAP pressure range adjustable from 0 to 10 cm H₂O.

Maintains constant CPAP at outlet.

A minimum output flow range adjustable between: 4 – 9 L/min.

Oxygen concentration adjustable between: 21 - 100 %.

External electric heating and humidifying chamber.

Adjustable output temperature up to 36°C.

Relative humidity output up to 100%.

Power requirements: 100 - 240 Volts - 50/60 Hz (not necessarily in a single unit).

ENVIRONMENTAL CONDITIONS

- Operating conditions: 19°C - 37°C / 30% – 90% RH.
- Atmospheric pressure: 700 ~ 1060hPa.
- Ingress protection rating: IPX1.
- Storage conditions: 10°C - 65°C / 5% – 90% RH.

ALARMS

Alarms are audible as well as visual.

The unit has alarms for the following:

- High/low oxygen concentration (FiO₂).
- High airway pressure.
- Failure in either air or oxygen supply.
- High temperature.
- System failure.
- Low battery.
- Mains power failure.

WEIGHT AND VOLUME (packaged).

Volume: 202 dm³.

Weight: 28 kg.



Laboratory Instrument India