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Product Name :	**Product Code :**
Ventilator,medical,adult-child,w/access	LBNY-0017-2200018

Description :

Oxygen concentrators are not suitable to be used as an oxygen source to other medical equipment providing respiratory support, such as ventilators, CPAP devices, High Flow Nasal Oxygen, etc.
Ventilator, Intensive Care, for adult, paediatric and neonatal patients, AC and battery powered, with accessories.
Mechanical ventilators are life support devices that move gas (e.g., air and/or oxygen) to and from a patient's lungs. In most cases, mechanical ventilators are used for a short period of time (a few days to a few weeks) to deliver pressurized medical gases to the patient's lungs to support gas exchange and rest ventilatory muscles until the patient is able to breathe without mechanical assistance. Some patients, however, require permanent ventilatory support. These devices may provide temporary or permanent respiration for patients who cannot breathe on their own, or who require assistance maintaining adequate ventilation because of illness, trauma, congenital defects, or the effects of drugs (e.g., anaesthetics).

Technical Specification :

Automatic ventilator for adult, paediatric and neonatal patients.
Equipped with an internal turbine to eliminating the need for external supply of compressed air.
Designed for frequent and easy dismount and disinfection with hospital-grade products.
Adjustable patient-circuit support arm.
Equipped with integrated oximeter for FiO?.
The unit should be mounted on a sturdy trolley with handles.
The trolley is equipped with 4 antistatic swivel castors.
At least two castors have been equipped with brakes.
Equipped with an Air/O? mixer.
Ability to calculate intrinsic PEEP volume, occlusion pressure (calculated manually) and inflection points.

Unit is fitted with condensate collection device.
Unit is fitted with anti-bacterial filter.
Unit is fitted with temperature sensor.
Unit is fitted with patient circuit.
Automatic compliance and leakage compensation for circuits and tubes.
Gas inlet connections are standard DISS (Diameter Index Safety Standard)
connectors.
The unit is equipped with a servo-controlled humidifier.
Equipped with an autoclavable expiration block.
Reusable, removable and disinfectable expiration valve/flow sensor.
The unit accepts inlet gas supply pressures between 2.8 bar to 6 bar (40 to 87 psi).
The humidifier has a heat exchanger which allows for temperatures between 28°C and 39°C at the Y-piece.
In active mode the humidity levels the humidifier can provide are in the range of 33 mg H?O/L to 44 mgH?O/L.
In passive mode the humidity levels the humidifier can provide are at least 30 mg H?O/L.
The humidifier temperature monitoring has an accuracy of at least ± 1°C.
The humidifier has the ability to switch between passive and active humidification.
The resistance of the humidifier is no less than 0.5 cm H?O.
The humidifier has a sterilisable humidifier chamber.
The compliance of the humidifier is below 1.1 mL/cm H?O.
Equipped with a display (colour, flat panel ? 10 Inch) showing:
Operational status.
Set and measured parameters and values.
Equipped with a drugs nebulizer.
Waveforms.
Alarms/errors such as ventilation parameters, power, and system events, etc.
The unit is equipped with self-diagnosis and sensor calibration processes.
Automatic switch from mains to battery in case of power failure.
Automatic battery charge when mains connection is re-established.
Built-in rechargeable battery, autonomy > 1 hour (standard ventilation, excluding compressor).
Power requirements: units should be available for 100 and 240 V - 60 / 50 Hz.