

Lifotronic

— Caring for Better Life —

(SSE: 688389)



Precise · Safe · Comfortable

High-flow Humidification System

en.lifotronic.com

It is a humidifier with an integrated flow generator that delivers high-flow warmed and humidified respiratory gas to spontaneously breathing patients through a variety of interfaces.

There are five key benefits for High Flow Nasal Cannula (HFNC) :

- Delivers a high FiO₂ accurately
- Meets the patient's ventilatory demands
- Provides patient with comfort
- Provides a modest amount of positive airway pressure
- Optimizes mucociliary clearance

Applicable departments



Respiratory Medicine



Intensive Care Units (ICUs)



Neurology



Neurosurgery



Cardiothoracic Surgery



Geriatrics



Cardiology



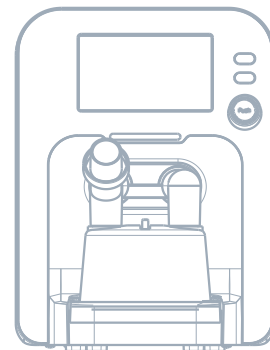
Pediatrics



Emergency Department

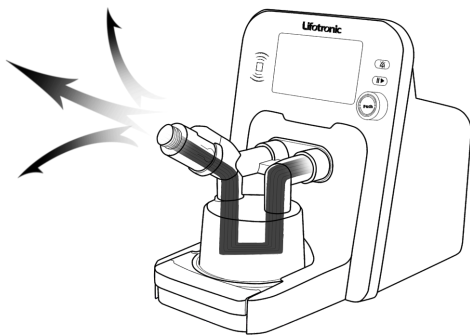
Indications

- Non-hypercapnic acute hypoxemic respiratory failure
- Post-extubation period
- Pre-intubation
- Patients undergoing bronchoscopy and other invasive procedures
- Palliative care
- Acute heart failure
- Chronic airway disease



Efficient

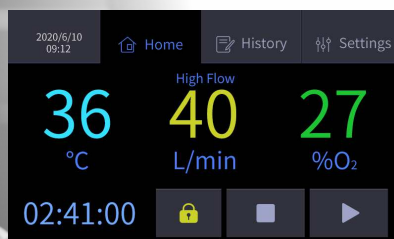
- Built-in electric oxygen blender.
- Oxygen concentration can be adjustable from 21 to 100% on the interface directly.
- No disinfection necessary. One-way valve design to avoid gas back to the unit.



Precise

- Multiple temperature settings (31-37°C, increment 1°C) to improve the comfort and compliance of treatment.
- Real-time monitoring and display of flow, temperature and oxygen concentration.

Twelve alarm functions.



The system consists of a humidifier, a water chamber, a breathing heated tube and a variety of patient interfaces.

Heated Humidifier

The heated humidifier is designed to deliver optimally humidified gas to adult and infant patients.



Disposable Patient Circuit

Tube and Chamber Kit

- Heated breathing tube for delivery of humidified respiratory gas.
- For use with Lifotronic Hi Series humidifiers.
- Compatible patient interface: nasal cannula, tracheostomy direct connection, mask adapter.



Nasal Cannula

- Nasal cannula patient interface for delivery of humidified respiratory gas.
- For use with Lifotronic Hi Series humidifiers with tube and chamber kit.
- Flow range: Small 10-50L/min Medium/Large 10-60L/min.

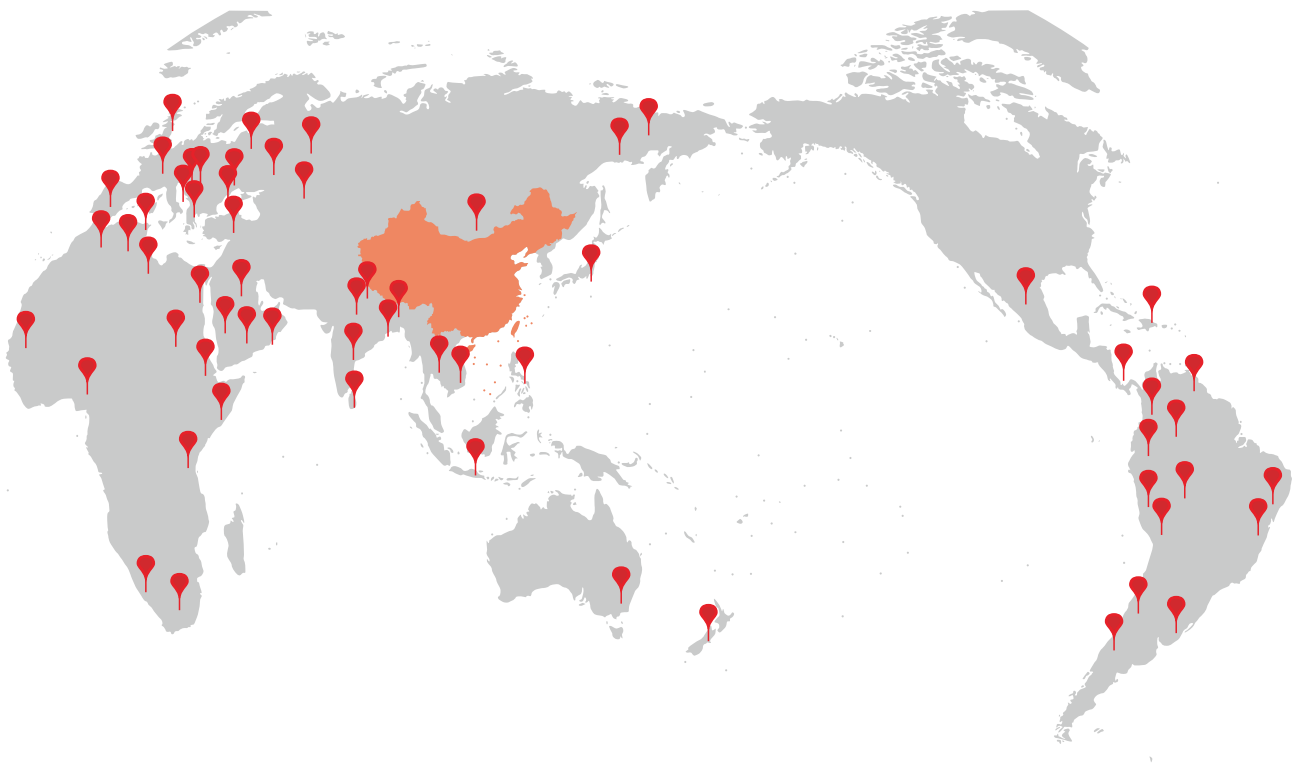


Guidelines for COVID-19

Guideline	HFNC	NIV
SSC (SCCM)	Suggest	Suggest
WHO	Selected	Selected
ANZICS	Recommended	Not Routine
NYPresby	Selected	Rec Against
MGH BWH	Not Routine	Not Routine
Tufts	Option	Not Routine

Specifications

Model	Hi-800
Device Classification	Class II
Purposes	Warmed and humidified respiratory gases
Flow rate range	2-80L/min
Oxygen percentage range	21%-100%
Adjustment method of oxygen concentration	Built-in electronic flow meter and controllers
Temperature range	31°C-37°C, increment 1°C
Interface	5-inch color LCD touch screen
Humidity	≥33mg/L at 37°C target
Water chamber	Volume: ≥90mL
	Automaticly fill liquid to the required level and retain the level
Session time	0-24h
Disinfection tube	Yes
Length of heating tube	1.9m
Alarms	12 types of alarms
Accessories(Sold Separately)	Water chamber, heating breathing tube, nasal cannula(adult, infant), tracheostomy interface
Lifetime of the unit	10 years
Power Cord	Hospital Grade Plug
Controller Dimensions	Height: 28.4cm Width: 39.4cm Depth: 21.2cm
Controller Weight	3.75kg
Power Supply	100-240 VAC, 550VA, 50/60 Hz
Shipping Case Dimensions	Height: 43.5cm Width: 45.5cm Depth: 30.0cm
Shipping Case Weight	6.0kg
Noise Max.	50dB
Operating Conditions	Temperature: 18°C to 28°C Relative Humidity: 80% Maximum, non-condensing Atmospheric Pressure: 750 mbar to 1060 mbar
Transport & Storage Conditions	-20°C (-4°F) to 55° C (131°F) If the user suspects that the environment conditions for transport and storage have been exceeded, return the unit for service.



Our Vision

- To be a globally admired healthcare solution provider across life span

Our Mission

- To deliver better products and services of outstanding value for human life
- To create value for employees, shareholders and society



Labotron Medical

บริษัท ลาโบตรอน เมดิคอล จำกัด

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