

HFNC Applicable Departments



Clinical application

- Mild respiratory distress (respiratory rate >24 bpm)
- ARDS and other Type I Respiratory Failure (100 mmHg ≤ PaO₂/FIO₂ < 300 mmHg)
- Type II Respiratory Failure
- Invasive Ventilation Weaning

Fight the epidemic together

- Novel Coronavirus Pneumonia (NCP) is a pneumonia caused by SARS-CoV-2 infection. Severe and critically ill patients often have hypoxemia and dyspnea and proper respiratory support treatment is required.
- As noted in the “Expert Consensus on the Use and Management of HFNC for Patients with Novel Coronavirus Pneumonia” , for acute hypoxic respiratory failure, high-flow nasal O₂ therapy (HFNC) has greater advantages over conventional O₂ therapy.

COMEN



NF5 High Flow Heated Respiratory Humidifier



Shenzhen Comen Medical Instruments Co., Ltd.

P/N : EN-NF5-4P-20200818-V1.0

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Simple and practical

- Ultra-Large touch screen: NF5 is equipped with a 4.3-inch touch screen, which allows easy and quick operation by touch and navigation knob.
- Electronic Air-O₂ mixer system: easy to set up flow rate and O₂ concentration.
- Intuitive UI design: large font, easy for caregiver to operate and observe.



Safe and comfortable

- Multi-position temp monitoring: NF5 is equipped with 3 temp sensors, which enable real-time temp monitoring, synchronized closed-loop feedback, joint high temp alarm, smart water level management and over-temp protection function to ensure safer heating.
- High-performance nasal cannula: ergonomic design, soft and comfortable, free of constriction.
- Ultra-quiet design: The ultra-quiet turbine significantly reduces noise, provides a quiet O₂ therapy environment, reduces irritability.



SpO₂ monitoring

- Optional Comen, Masimo or Nellcor SpO₂ monitoring function, real-time monitoring of the patient's O₂ concentration, ease evaluation of the effectiveness of high-flow O₂ therapy, so that doctors can optimize the treatment plan in real time.

Intra-hospital transport

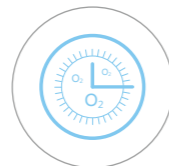
- High performance turbine, no need for compressed air supply
- Integrated battery for transportation
- Light and compact medical trolley ease intra-hospital transport

Efficient and precise



One-touch O₂ flush

Rapidly increase the O₂ concentration, increase the patient's O₂ reserve, and facilitate sputum suction, bronchoscopy, intubation and other nursing cares.



High precision O₂ concentration control

Adopts high-precision electronic air-O₂ mixer system and precise O₂ concentration monitoring module. Realizes accurate control and real-time monitoring of O₂ concentration



Smart temp and humidity control

Through smart temp and humidity monitoring and closed-loop feedback mechanism, NF5 provides patients with accurate high-flow O₂ therapy close to the natural body temp (37°C) and 100% relative humidity (44mg/L), optimizes mucus and cilia function.

Wide range of application

The 2-80L/min wide range flow control can effectively flush the dead space (physiology), avoid CO₂ retention, meet the treatment requirement of both infants and adults, clinically suitable for patients at different ages.



Therapeutic range for infants and children: **2~30L/min**

Based on extensive clinical research, the conventional 25L/min is inadequate for comprehensive pediatric care



Therapeutic range for adults: **10~80L/min**

Comply with the "Expert Consensus on Clinical Standardized Application of HFNC in Adults", where the latest requirement of respiratory flow is 8-80L/min.