



COVID-19



**High-Flow Heated
Respiratory Humidifiers (HFNC)**

■ Product Brief

HiFent series is designed specifically to be a Oxygen Therapy solution for delivering the benefits of humidification and flow to pediatric and adult patients in the hospital , and long-term care. It's applicable department including Respiration Medicine ,ICU ,Emergency Department ,Neurology Department ,Neurosurgery ,Department of Pediatrics (weight>3 kgs) ,Rehabilitation Wards ,etc . Respicare allows the Hifent to comfortably provide high flows of air/oxygen mixtures to spontaneously breathing patients, with integrated High Flow Generator and Oxygen Enrichment System ,through the unique optional Nasal Cannula interface .

■ Respiratory Support for COVID-19 patients

Autopsy reports shown that COVID-19 lesions are concentrated in the lungs with a large amount of viscous sputum. Therefore, humidified HFNC has a great significance for patients requiring sputum clearance.

● Clinical Consensus

- >provides stable and higher oxygen inhalation concentration than common nasal catheter.
- >can reach or exceed the maximum flow rate of the patient's active inspiratory, lower the resistance and workload, and reduce oxygen consumption;
- >can be heated and humidified to 37°C and 44 mg/L, reducing the consumption of heat and water in patients with respiratory distress to keep the airway mucociliary function in an optimal state, and facilitating secretion drainage to reduce the occurrence of pulmonary infection;
- >airflow scours the dead cavity of the upper airway to reduce anatomical dead cavity and improve patient ventilation;
- >provides a certain level of positive airway pressure with the functions of opening alveoli, increasing lung volume, improving ventilation
- >High patient compliance;

● Infection Control

Wear a piece of Disposable Surgical Mask on a patient whom in HFNC treatment.
Prevent the spread of high concentrations of Coronaviral Aerosols.



■ Features

► Hifent Flow :

The stable flow rate can be accurately adjusted ,according to the patient' s individual ventilation demand .

Flow rate : up to 80 L/Min

Low Flow Mode : 2-25 L/Min (pediatric mode)

High Flow Mode : 10-80 L/Min (adult mode)

► Hifent Oxygen :

O₂ addition can be titrated /auto-control according to the patient' O₂ deficit .

Supply from any external O₂ source

Up to 80 L/min

► Hifent Monitoring :

The display provides information on

Current flow rate

Temperature

Therapy air FiO₂

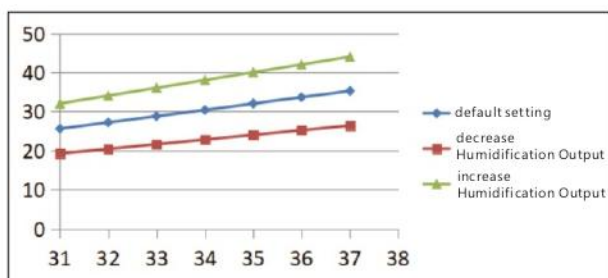
Mode of operation

► Hifent Humidification :

The level of humidification and the temperature of therapy air can be adjusted by the patient according to comfort .

Dew point : 31°C , 34°C ,37°C

- **At any Dewpoint temperature (31,34,37°C) ,the default setting of Humidification Output Saturation can be adjusted between $\pm 5 \sim \pm 10\%$.**



■ Characteristics of Consumables

► Complete and comfortable Patient Interface

			
● Nasal cannula for adult	● Nasal cannula for pediatrics	● Tracheostomy adapter	● Common oxygen mask

► Adherent Spiral Heating Tube

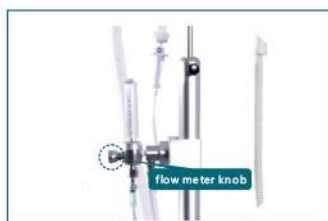
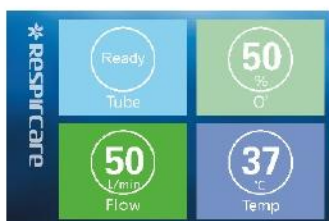
*Heating Tube with special processing is very little condensation , with a good consistency and durability.



■ Series Solution

HUMID-BM (Standard)

Adjust the flow meter knob until the oxygen concentration displaying on the screen meet doctor's orders



HUMID-BH (Auto Control FiO₂)

FiO₂ can be set and controlled automatically from 0.21-1.0

*Touch Screen Function



■ High Flow Heated Respiratory Humidifier

Model	 HUMID-BM	 HUMID-BH
Power supply	220VAC+ 22V,50+1Hz	
Flow setting range	● Low Flow Mode : 2-25 L/Min temp: 34 °C ● High Flow Mode : 10-80 L/Min	
Temperature Control	31°C ,34°C,37°C	
Oxygen % Measure	21%-100%	
FiO ₂ Control	Manual titration control	Auto proportional valve control
Alarm Parameters	● Low oxygen concentration alarm ● High oxygen concentration alarm ● Ambient temp alarm ● Choke alarm ● Alarm recovery	
Recommended Ambient Temp	18-28 °C	
Standards	IEC/EN 6060-1, IEC/EN 60601-1-2; ISO 8185	
Package	L330 x W245 x H315 mm	L390 x W245 x H315 mm
Application	HOSPITAL	HOSPITAL



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