Heated breathing tube

Nasal cannula

Water chamber

Oxygen connector

Performance Parameter

Functional Items		Models			
		HF8	HF7	HF6	HF8M
O2 Control	Measurement of O2 concentration	●	●	●	●
	O2 Limit Alarm	●	●	-	-
	Settable Range	21%-100%	21%-100%	-	-
	Oxygen Accuracy	±5%	±5%	-	-
	O2-Air Control mode	Software	Software	Buoy flowmeter	Buoy flowmeter
Flow Control Function	Settable Range	2-80L/min	2-70L/min	2-60L/min	2-80L/min
	Flow Accuracy	±5L/min (High flow mode: 25L/min～80L/min) ±2L/min (Low flow mode: 2L/min～25L/min)			
	Measurement	●	●	●	●
Temperature Control Function	Settable Range	29℃～37℃/9 levels	29℃～37℃/9 levels	29℃～37℃/9 levels	29℃～37℃/9 levels
	Temperature Accuracy	±2℃	±2℃	±2℃	±2℃
	Measurement	●	●	●	●
Review Function	History Review	●	●	●	●
Timing Function	Accumulated Therapy Time	●	●	●	●
	Total use time	●	●	●	●
	Preset ignal therapy duration	●	●	●	●
	Night Mode	●	●	●	●
Physical and Electrical	IP Classification	IP22			
	Dimensions	336mm × 233mm × 136mm			
	Weight	3.2kg			
	Power input	AC 220V,2A Max, 50Hz			

Note: ● indicates with this configuration; — indicates no such configuration.

HiFRes

High Flow Heated Respiratory Humidifiers

Oxygen Supply precisely | Warm and Comfortable | Safe and Effective

—— New Respiratory Treatment Program ——

Clinical characteristrics

1. Acute patients with mild to moderate respiratory failure in ICU or emergency room

Improve dyspnea, rise oxygenation, reduce intubation rate, and intubation mortality is significantly lower than non-invasive ventilation and standard oxygen therapy

2. Endotracheal intubation

Improve oxygenation index, delay onset of hypoxemia

3. Oxygen therapy after invasive withdrawal

High tolerability and comfort, reducing the rate of reintubation

4. Acute heart failure and cardiogenic pulmonary edema

Improve dyspnea, especially refractory dyspnea

5. Postoperative care,to mitigate the risk of respiratory failure

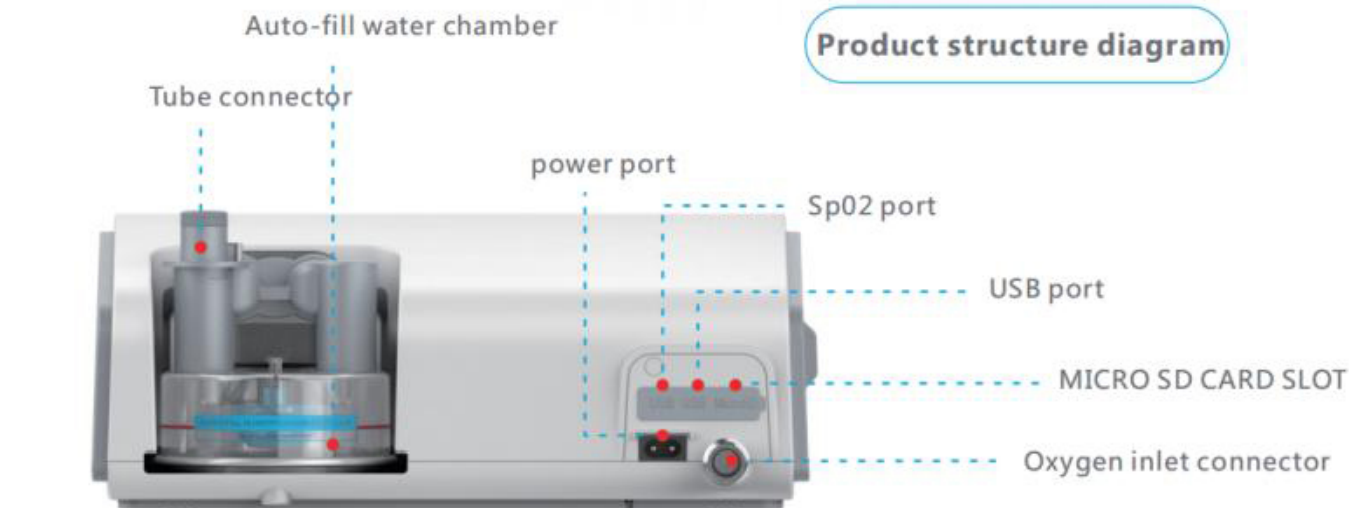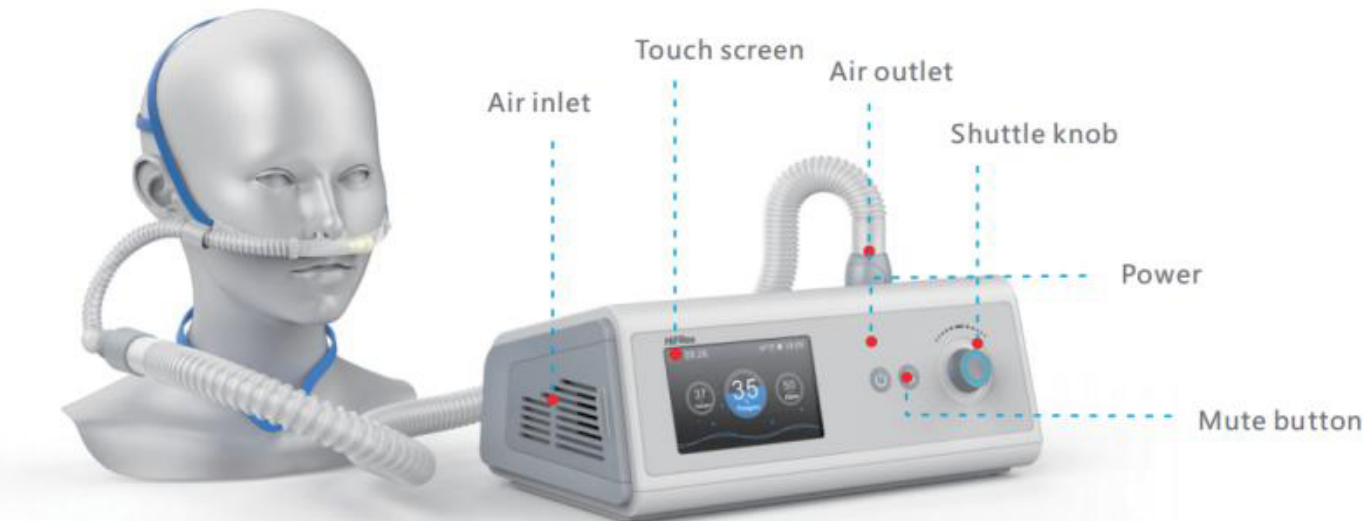Replace non-invasive ventilator to achieve higher comfort

6. Chronic airway disease

Improve the upper airway status of patients with obstructive

Product description :

High flow heated respiratory humidifiers is mainly used to provide humidified and heated air-O2 mixed gas to the nasal cavity directly through a nasal congestion catheter without sealing,which is higher than the peak inspiratory flow rate of the patient. The oxygen concentration is accurate and adjustable, which makes the breathing more comfortable . It is an effective respiratory therapy that is suitable for invasive or non-invasive patients with spontaneous breathing, not for life support.

Applicable department

Respiratory medicine, ICU, Emergency room, Neurology, Neurosurgery, Cardiothoracic surgery, Paediatrics (≥3 kg), Rehabilitation ward, Geriatric ward, etc.

Clinical characteristics

Maintain optimal humidity in combination with a nasal congestion catheter to ensure the comfortable delivery of high-flow mixed oxygen gas to achieve the following therapeutic effects:

1. Auxiliary oxygen

Maintain a stable high inhaled gas oxygen concentration, improve oxygenation, reduce blood oxygen deficiency, and increase effective alveolar ventilation.

2. Positive airway pressure

Produce low end-expiratory positive pressure (PEEP),reduce breathing power consumption, improve breathing frequency; promote alveolar opening, conducive to the diffusion of oxygen.

3. Reduce dead space

Reduce the dead space of mouth, nose and pharynx, promote the conversion of oxygen and improve ventilation efficiency.

4. Airway humidification

Reduce the dead space of mouth, nose and pharynx, promote the conversion of oxygen and improve ventilation efficiency.

Oxygen supply
Warm and com
Safe and effective

Touch screen
Air inlet
Air outlet
Shuttle knob
Power
Mute button

Product structure diagram

Auto-fill water chamber
Tube connector
power port
Sp02 port
USB port
MICRO SD CARD SLOT
Oxygen inlet connector

Performance advantages

Precision, accuracy, stability — effective treatment ,designed to serve all clinical needs

Precise oxygen concentration control and monitoring

The oxygen concentration setting range is 21% to 100%. Ultra-sensitive oxygen concentration sensor and miniature proportional valve can accurately control the oxygen concentration to ensure that the mixed gas can meet any oxygen concentration requirements of patients. At the same time, the oxygen concentration can be monitored in real time to ensure that the oxygen concentration is accurate and effective.

Precise flow control and monitoring:

Flow setting range: 2L / min – 80L / min, the imported flow sensor can ensure the accuracy of high-flow gas, and at the same time monitor the gas flow in real time to ensure the effective treatment of patients.

Precise temperature control and monitoring

31℃ – 37℃, 7 levels adjustable. Applying high-sensitivity sensor and innovative intelligent dynamic control algorithm,which can accurately control the inhalation temperature of the patient end, and monitor it real-timely to ensure that the heating and humidification are safe and effective. The humidity can reach 100% to meet the needs of more patients.

Optional blood oxygen module

The blood oxygen module can monitor the patient's blood oxygen saturation and pulse rate in real time, providing more treatment information for patients and medical staff.

Ergonomic design   Easy to use Safety ,and Comfortable

IExquisite appearance, excellent quality

Made of selected materials, with brief and grand appearance, user friendly and good-lookingApplied 5-inch color touch screen neat user interface design, important information grasped at a glance

IEasy to use and thoughtful design

One-key shifting from high flow to low flow mode, fast and convenientFully disposable design, the host does not need to be disinfected Auto-fill water chamber, handy and carefreeTouch screen + shuttle key, dual operation ways, easy to use ,The brightness and time range of night mode can be set to improve the comfort of patientsPM2.5 ultra fine air filter makes sure you can enjoy clean air.

Performance advantages

ICarefully casting, safety promised

Dual color hypnotic lamp : Blue in normal state, and red in alarming status. Convenient to check the status of equipment from a distance.

Multiple alarm : As many as 12 alarms to ensure that use errors aredetected in real time and keep the treatment process safe and effectiv.

History record query : It can record the temperature, flow rate and oxygen concentration for passed 1 day, 3 days, 7 days or 30 days, which is convenient to check the treatment data quickly .

SD memory card(Optional) : 8G large capacity memory card can store all kinds of dat a of patients in treatment, providing more referable detailed data for furth er treatment.

SpO2 (Optional)