



High Flow Nasal Cannula

Introduction:

The high-flow humidification treatment device CCV20HF is an Oxygen therapy device that provides continuous positive pressure with heated and humidified of air and oxygen. These gas sources are filtered by filter cotton and inhaled by the fan. After passing through the mixing chamber, the air-oxygen mixture is formed, and then flow to the humidify tank, there mixture gases will be heated and humidified on the surface of hot water, help to reduce the stimulation of mechanical ventilation to the cardiopulmonary system, keep the alveoli moist, facilitate sputum suction and prevent airway obstruction. By setting the target gas temperature value we can control work of heating plate, temperature will be real-time monitored. After heating and humidifying, the mixture gases will be transmitted to patients via heating wire breathing circuit through the nasal tube after the second temperature rise.



CCV20HF

CCV20HF Performance characteristics Performance characteristics

- ◆ Three-level temperature control, overheating (dry burning) protection, safe and effective.
- ◆ Flow rate automatic compensation function.
- ◆ Integrated ultrasonic real-time oxygen concentration monitoring, **without** oxygen sensor, no need calibration.
- ◆ The oxygen concentration can be adjusted within the full range without adding an external oxygen flow-meter.
- ◆ Adjustable gas flow and oxygen concentration, digital display, real-time monitoring, convenient and intuitive.
- ◆ The machine is equipped with high-density filter cotton to avoid cross-infection.
- ◆ Flow rate, temperature, oxygen concentration and working status are **synchronous displayed on the screen with actual measured value**.
- ◆ Easy disinfection, only need to use a soft cloth moisturized with water-soluble disinfectant , to clean the surface of the machine and the surface of the parts that may be contaminated.



China Care Medical Equipment



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Application:

CCV20HF is used for Hypoxemia patients with spontaneous breathing, and effective treatment is carried out by providing a certain flow, heated and humidified breathing gas. These include patients of humidification therapy, oxygen therapy, tracheal incubation, and tracheotomy. But cannot be used as life support equipment.

Temperature, gas flow, oxygen concentration adjustable.

Over-temperature alarm, fault indication function, increase safety

and intuitiveness are helpful to doctors, suitable to be equipped in hospitals and clinics at all levels.



2.4-inch LCD screen, treatment parameters can be adjusted through the buttons. Adjustment, easy and convenient improve efficiency of the operator. Flow rate, temperature, oxygen concentration and working conditions, the measured value is synchronous displayed on the screen.

Technical Parameter

Specification model	CCV20HF
Output gas temperature	Output : 31°C ~ 37°C±2% Level 1. 31°C Level 2. 34°C Level 3. 37°C
Heating plate auto cut off	115±5°C
Auto feed humidification chamber	Automatically add water, variable volume ≤280mL, Compliance ≤0.4mL/cmH ₂ O
Oxygen concentration adjustment monitoring range	21%~100%, ±5% (±3% FS)
Flow adjustment range	2 LPM~80 LPM±8%
Audible alarm	≥55dB (A)
Preheating time	≤30min, 31°C≤10min
Power supply	AC90V ~260V 47Hz ~63HZ
power	150W±15%
working environment	18°C~26°C Relative humidity≤80%

Recommended supporting: disposable humidification chamber, disposable breathing circuit.

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