

# CONTEC™

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## PURE OXYGEN ENJOY THE BREATHING



## **OC5B** (Nebulization function) OXYGEN CONCENTRATOR

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# OC5B (Nebulization function) OXYGEN CONCENTRATOR



Nebulization



SpO<sub>2</sub> and  
Pulse rate



Medical air  
intake filter



Overload  
protection



High-quality  
molecular sieve



Humanization  
design



OC5B Oxygen Concentrator consisted of air compressor, adsorption tower of molecular sieve, sensor and flow meter. With the molecular sieve to be absorbent, the machine adopts PSA (pressure swing absorbers) method to directly concentrate medical oxygen with high concentration from the air.

It is small and portable. The machine takes the advantages of small in volume, light in weight, convenient in moving (as it has turning truckle), stable in performance, high in safety, easy in operating, low in noise, safe in working, which complies with requirements of medical device. The machine can also realizes the measurement and display of SpO<sub>2</sub> and pulse rate, medication atomization by connecting accessories. The machine has a wide application, including family, clinic, hospital, oxygen bar, plateau outpost, gym center, etc.

## Function

- ◆ With working indicator
- ◆ Built-in filters to pure the gas
- ◆ Oxygen concentration status indicator
- ◆ Function of accumulating time
- ◆ Function of timing shutdown
- ◆ Alarm for power failure
- ◆ Alarm for high/low pressure protection
- ◆ Alarm for low flowrate
- ◆ Alarm for high temperature
- ◆ Measure SpO<sub>2</sub> and pulse rate
- ◆ Function of nebulization

## Accessories

- ◆ Humidifier bottle
- ◆ User manual
- ◆ Power cord
- ◆ Nasal cannula
- ◆ SpO<sub>2</sub> probe
- ◆ Atomization accessories

## Physical characteristic

- ◆ Dimension: 508(L) × 260(W) × 530(H)mm
- ◆ Weigh: 21Kg

### Operating Environment:

- Temperature: 10°C-40°C
- Relative humidity: ≤80%
- Atmospheric pressure: 860hPa-1060hPa

## Performance

- ◆ Maximum flowrate recommended: 5L/min
- ◆ Oxygen Output Concentration Levels: (reach the stated oxygen concentration level within 30 minutes after turning on the machine): 93% ± 3% at the flowrate of 0.5-5L/min
- ◆ Flowrate range: 0.5-5L/min
- ◆ Flowrate change at maximum recommended flowrate with 7 kPa back pressure: <0.5L/min.
- ◆ Outlet pressure: 20kPa-50kPa
- ◆ Nebulization rate: >0.15 ml/min
- ◆ Input Power Consumption: 400VA
- ◆ Electrical Requirements: AC220V ± 10%, 50Hz ± 1Hz
- ◆ Operating noise: ≤ 55dB(A)
- ◆ SpO<sub>2</sub> Measurement
  - Range: 0%-100%
  - Resolution: 1%
  - Accuracy: ±2% when SpO<sub>2</sub> is in range of 70%-100%; unspecified when less than 70% .
- ◆ Pulse rate Measurement
  - Range: 30bpm ~ 250bpm
  - Resolution: 1bpm
  - Accuracy: ±2bpm or ±2%, whichever is greater
- ◆ Safety characteristics
  - Type of protection against electroshock: class II equipment
  - Degree of protection against electroshock: Type BF applied part
  - Degree of protection against ingress of water: IP21