

# iVent-3000

## Intelligent Ventilator

With Respiratory Oxygen Concentrator Combo



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

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## ►► Features

### Thoughtfulness :-

Provide integrated solution for patients in need of oxygen and BiPAP(CPAP) treatment

### Mobility :-

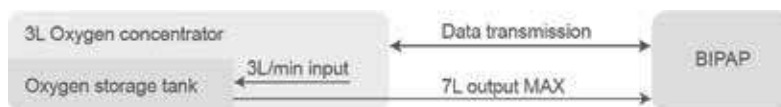
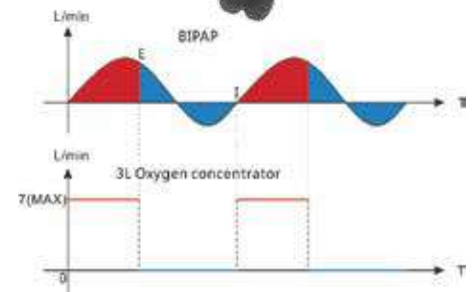
One-stop structure enables easy mobility when using the BiPAP(CPAP) and oxygen concentrator.

### Interaction :-

O2 density and flux of the oxygen concentrator will be displayed with BiPAP(CPAP) parameters on a 5" LCD screen.

### Data Sharing :-

Treatment data can be uploaded to an cellphone APP and a CLOUD platform in real time.



The chart shows how the integrated Respiratory Combo works. During the exhalation phase, when the oxygen concentrator receives a signal from the CPAP, it will reduce the oxygen concentration output and increase the oxygen concentration when the CPAP is in inhalation phase. It greatly improves the output efficiency of the oxygen concentrator and reduces energy consumption, which will be more environmentally friendly and economical.

## ►► Technical Data

Pressure Range	4-30cmH <sub>2</sub> O
Sound Levels	Sound Levels
Pressure Release	X-lief
AVAPS Control	Yes
Respiration frequency	2~40bpm
Target Tidal volume	100-2000ml
I-Breath Solution	Yes
Automatic Pressure Titration	Yes
WIFI	Yes



Pressure increment	0.2cmH <sub>2</sub> O
Altitude compensation	Automatic
Alert in the cases of	High pressure/air leakage/high temperature/humidifier leakage
Accessories replacement reminder	Replacement reminder of mask, tube, humidifier, air filter.
Languages	Multi-languages
Ramp time	0~60min
Data storage	4GB (store data of 4 years long)
Data analysis software	AirTreat™
Display	5"LCD with touchable screen temperature/humidifier leakage
Power supply	Input: 100-240VAC, 50/60Hz, 1.5A Output: 24VDC, 3A
Dimensions(LxWxH)	271.5*143*139.5mm
Product weight	1800g (w/humidifier) 1600g (w/o humidifier)

## ►► Technial Data

Flow	1L-5LPM
Voltage/Frequency	220V/50Hz±1Hz or 115V/60Hz
Pressure	(40-60) kPa
Oxygen purity	93%±3%
Operation Environment	Temperature 5°C~40°C Atmospheric pressure Humidity≤80% 86kPa-106kPa
Power Consumption	300VA
Weight	14.5Kg
Noise	<45dB(A)
Dimension L*W*H(mm)	400mm×300mm×540mm
Transporation/Storage Condition	Temperature -20°C~55 °C Atmospheric pressure Humidity≤93% 50kPa-106kPa
Equipment Class & Type	Class II
OCSL indicator (STANDARD)	82%±3 below YELLOW, 72% below RED
Visualization	Low temperature, high temperature, low pressure, high pressure, power failure alarm





## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



**Analytical**  
**Foundation**

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## Reach us @



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