

CLINOX-X

A Nanotech Product - The Science of Hope



Dr. ILAN KUPPUSAMY, Dr. RANJANI KRISHNAN & RAJAN BABU

Nanofold Healthcare Technologies

3 Bellary Road, RMV Extn, Sadashiva Nagar, Bangalore 560080, Karnataka, INDIA

www.nanofold.net

STATUS OF OXYGEN DEMAND IN INDIA

India Produce 7200 MT of O₂ per day and used only 1080 MT per day used for Hospitals in PRE COVID-19.

TODAY in COVID-19 PERIOD INDIA NEED about 9200 MT per day oxygen needed for Hospitals only as emergency.

OXYGEN CONCENTRATOR TECHNOLOGIES



Cryogenic Air Separation (CAS)

Pressure Swing Absorption (PSA)

Proton Exchange Membrane (PEM)

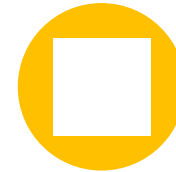
CAS



It consists of five major process such as



Compression



Air Pretreatment



Heat Exchange



Cryogenic separation



Oxygen compression



Purity 99%



Energy required is $0.5\text{kWh}/\text{Nm}^3\text{-O}_2$

PSA

Used adsorption materials such as natural or synthetic Zeolites to adsorb Nitrogen.

Regeneration of Zeolites required using high temperature called Temperature Swing Adsorption (TSA) or reducing the pressure of zeolite column.

Oxygen purity: 93-95%

Energy required is $0.5\text{kWh/Nm}^3\text{-O}_2$

PEM

Medical grade Oxygen obtained from Electrolysis

Source of Oxygen not from the atmospheric air

Avoid contamination and increase the purity of Oxygen

95% and above oxygen concentration with Higher purity of Oxygen than other Technologies.

Energy efficient, Nanomembranes used for Oxygen Separation (3 nm dia. Porosity).

User friendly technology


How to Choose Oxygen Concentrator

- **Price: Affordable** **Product: Efficient** **Place: Made in India**
 - ??? ???? ??????
 - YES YES YES
- Proudly made by Nanofold Healthcare Technologies in Bangalore, Karnataka, India in Technology Association with Indian Institute of Technology.
- Thanks to the Technology development and Advances in Nanotechnology, made this product as The Science of Hope.
- Research associates from Indian Institute of Technology along with Scientists from Nanofold Healthcare Technologies made this product affordable, Economical, Energy Efficient and Made in India with Complete Warranty for TWO YEARS.



HOW TO CHOOSE OXYGEN GENERATOR

- Type of Technology
- Flow Rate, Percentage and Purity of Oxygen
- Power consumption
- Portability
- Oxygen Concentration (above 93% irrespective of flow rate)
- Noise level (Less than 50 Decibel)
- Warranty & Customer service in India

A large orange circle on the left side of the slide, partially cut off by the edge.

WHY DO YOU NEED OXYGEN CONCENTRATOR?

Due to Low blood Oxygen level need to enrich

Difficulty in breathing

Cardiac Surgery, COPD

Low Oxygen level in Blood hurts Vital multiple
organs

Unit as a emergency kit

Consult a physician before use in emergency

CLINOX-X Oxygen Concentrator- Product Specification

Technical Specification

Dimension:
24" L X 12" W
X 18"H

Flow rate:
8 LPM

Electrical
ratings: 230
V/50Hz,3.2A

Oxygen Purity:
99.99% Pure
Oxygen

Oxygen
Concentration:
93-94%

Weight:
16-18 Kg

Power
Consumption:
150W at 8LPM

Classification:
II Type B

CONTACT INFO

Nanofold Healthcare Technologies
3 Bellary Road, RMV Extn,
Sadashiva Nagar,
Bangalore 560080
Just Opposite to White Petals Palace

ilanku@icloud.com

Call 7397304888

Visit with COVID Compliance to our Corporate office & Show Room:

Production:

PEENYA Industrial Sector, Bangalore, India