

<http://healthcare.financialexpress.com/hospital-infra/2264-psa-oxygen-system-saves-50-to-70-per-cent-cost-on-oxygen-consumption-bills>

Sanjay Jaiswal, MD, Airox Technologies speaks to Express Healthcare about the importance of oxygen generators systems within a hospital

Tell us about the importance of oxygen generators in a hospital set-up? Which are the department that needs oxygen generators mostly?

Oxygen generator separates oxygen from atmospheric air which is then purified and supplied to complete hospital of any bed capacity.

Generally major oxygen is consumed in departments like Intensive Critical Care Unit (ICCU), neonatal/ pediatric intensive care unit and operation theatres. Sometimes it can be used in rooms and wards of hospital.



Approximately, how many such generators will a 500-1000 bedded hospital require?

A 500 bedded multi-speciality hospital generally consumes approximately 100 cylinder (7 M3 capacity) a day. Sometimes it can be more or less which we decide after collecting specific data from the hospital. This supply can be managed by only one generator model like Airox AS-L in our case which would be equivalent to 125 cylinders per day. For 1000 bedded kind of bigger hospital where oxygen requirement is around 200-225 cylinders per day, considering redundancy we offer three As-L models. Here one model will always work as back-up.

Any specific infrastructure required to incorporate oxygen generators within a hospital?

No specific infrastructure. We just need electricity connection and ventilated premises which should be protected from sun and rain.

You are said to introduce the first PSA Oxygen system in a private hospital. Can you tell us when was it installed and which hospital?

We have installed our first oxygen generator in Atma Malik Hospital now Vikhe Patil Medical Foundation, Shirdi, Maharashtra in early 2011.

What are the benefits of a PSA Oxygen system? What about cost-reflectivity?

PSA oxygen system has a lot of benefits. The hospital has return on investment in 6 months to 3 years and it saves 50 to 70 per cent cost on oxygen consumption bills. A good quality system if maintained well has a life of 24 years. This system makes a hospital self sufficient on oxygen and takes care of all inflationary hike of future oxygen costing. It is a far safe system as it is in gaseous form and operates just on five bars unlike cylinders which run at 160 bars and are not that combustive like liquid oxygen. This is a compact system and it can be installed on a terrace which saves huge ground floor space required for liquid oxygen. We can always check what the purity of oxygen with the help of an oxygen analyser given along with the system.

What is the market size for oxygen systems in India?

This market is divided in two segments, portable oxygen concentrator and oxygen generator. Oxygen generator market size is around Rs 25 crore in India with 50 systems per annum which is growing rapidly every year.