

# NOVELITE

PROJECT MANAGEMENT CONSULTANCY

*Strategy, Quality and Success!*



Medical  
**PSA OXYGEN  
GENERATION  
PLANT**  
For Hospital

# NOVELITE

PROJECT MANAGEMENT CONSULTANCY

*Strategy, Quality and Success!*



NOVELITE is an NCR based company that was established in the year 2013 in the name of **“NOVELITE TRADERS PRIVATE LIMITED”** to offer cost-effective Design, Engineering, Project Management, Material Supply, Installation, Testing & Commissioning to the various industries.

NOVELITE aims to provide its clients unparalleled professional service delivering good value for money. With a vision to practice and display the highest degree of professionalism and punctuality, we strive to exceed the client's expectations.

## **OUR VISION**

At Novelite, we rejoice in the success of our clients. We aspire to expand our business network by achieving exceptional levels of success for each of our clients.

## **OUR MISSION**

At Novelite, we undertake each project with diligence and all team members bear a sense of ownership for the project to maximize the economic value and utility of the asset.

# AIR 2 GAS TECHNOLOGY

**99% Oxygen Production with Zeolites and Pressure Swing Adsorption (PSA)**

Pressure swing adsorption (PSA) is a technology used to separate some gas species from a mixture of gases under pressure according to the species' molecular characteristics and affinity for an adsorbent material are used as a trap, preferentially adsorbing the target gas species at high pressure.

## PLUG & PLAY CONCEPT

**Skid Mounted:** All on steel plate includes piping, hoses, brackets, electricity and drain connections.

**Plug and Play**

**Easy to transport**



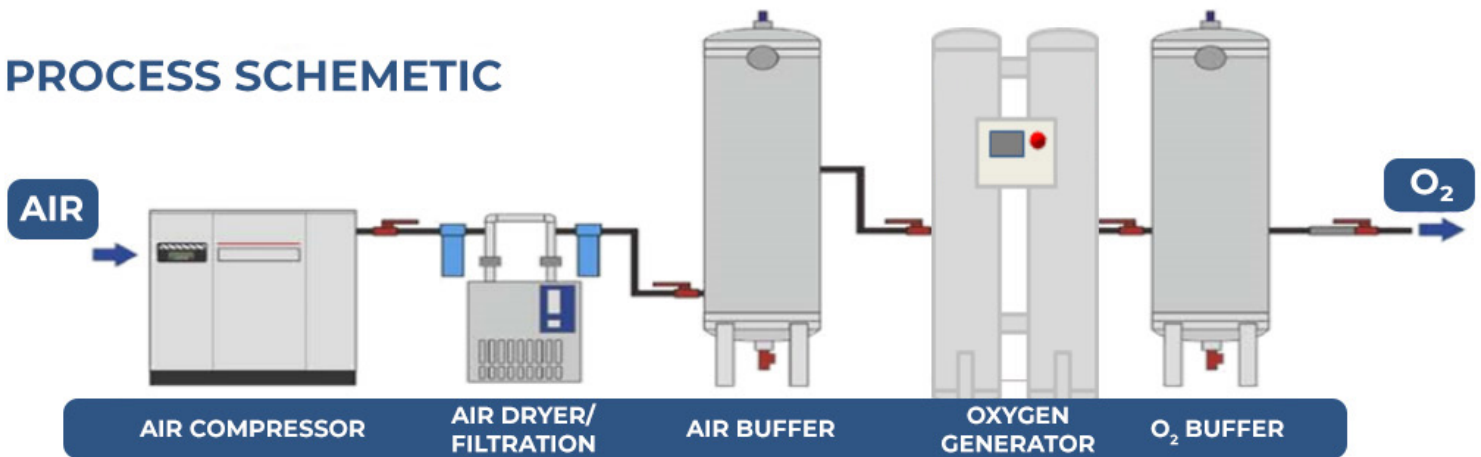
## WHY ONSITE - OXYGEN GAS GENERATOR

- ▶ The constant high demand for this gas renders substantial expenses for hospitals.
- ▶ Currently, hospitals buy oxygen from bulk oxygen gas Generator manufacturers.
- ▶ Medical oxygen can be generated on-site in any hospital, clinic, or health care centre in a much more cost effective manner.
- ▶ Using PSA method oxygen is generated and it is being used, thus enabling a health care centre to be self-sufficient in meeting its oxygen demand.
- ▶ PSA methods are capable of producing oxygen in medium capacity.
- ▶ This is ideal for an on-site hospital unit, because it is a safe process with reasonable energy and area requirements.

# MEDICAL PSA OXYGEN GAS GENERATOR

- ▶ Design Purity of 93% +/- 3%
- ▶ Outlet pressure from PSA unit is up to 5 bar(g)
- ▶ All systems can be expanded with cylinder filling options
- ▶ Connectable with existing Hospital Piping System

## PROCESS SCHEMATIC



## GAS BOOSTER

Gas Booster refers to a mechanical device that uses to compress volume of gas to increase the oxygen pressure, and is used for filling the cylinder.

We produce compressor right upto 3000 bar and can cater to flow ranges upto **700 nmm<sup>3</sup>/hr.**

### Key Features:

- 100% Oil Free Compression
- Premium Motors IE3/IE4
- Very Low RPM of 300
- Compressor service protocol as per OSHA1910.147
- Air / Water-cooled
- High precision sealing
- Noise Level 75-80 dB
- Hand crafted & Machines



## NOVELITE TRADERS PRIVATE LIMITED

Registered Office: E1-102, G21, Vatika India Next Sector-83,  
Gurugram, Haryana-122004 INDIA

+91 124 6896012 | +91 9896 515284 | info@novelitepmc.com