

Oxygen Generators

Oxair offers a global service for the most cost-effective, efficient, more convenient and safest on-site oxygen sources for a range of industries, including gold mining sector, hospitals, medical facilities, fish farming and other specialised areas



Pressure Swing Adsorption (PSA)

We separate oxygen from Compressed Air through a unique process called Pressure Swing Adsorption (PSA). PSA is a unique process that separates oxygen from compressed air. The gas is then conditioned and filtered before being stored in a buffer tank to be used directly by the end user on demand. PSA is recognised as one of the most popular methods used for production of oxygen gas.

Industries

- Gold Mining
- medical
- farming

The technique and technology are suitable for small to medium size production supplies with its use in many various industries. The design of Oxair's oxygen generators offers a reduction in power consumption when compared to other manufacturers. The fully reliable control system includes data collection with various outputs, communication links for remote control options and diagnostic analysis. Its proven design includes HMI Control with screen failure back-up.



The high cycle process valves are premier performers for reliability and low maintenance, being especially robust in extreme environments. The process has advanced noise control technology which results in an improved safety and environmental impact when compared to the competition.

Why Choose Oxair?

The robust build, reliability and low maintenance are further qualities that also make our oxygen generators suitable for extreme environments, such as gold mining, while the specially designed muffler makes it one of the quietest PSA systems on the market.

Various other advantages are brought into play too when a constant, onsite source of oxygen is available, like mine-related industries. Not only are cyanide reactions affected but

energy consumption can be reduced and the additional oxygen removes nitrogen entrainments present in the air.



Oxair's oxygen generator can be engineered to integrate with any existing system, or designed from scratch. High purity oxygen is essential for the health and safety of patients and staff alike in medical facilities – the Oxair system delivers constant oxygen of 95.5% purity through PSA filtration.

Our Oxygen Generators are capable of producing flow rates from 1 to 680 SM³/hr.

We can even provide on-site maintenance to keep everything running perfectly

Features

- OXAIR® STANDARD DESIGN – The OXAIR® Oxygen PSA Generator has as standard.
- Lower Air Consumption
- PLC Controller
- Compact Design
- Skid Mounting where practical.
- Machine performance data collection
- High Efficiency 4 – Stage Filtration Package
- Interactive HMI Full Colour touch screen
- High Performance True Process Valves
- Oxygen Pressure at 310 kPag (45 psig)