

# OXAIR FANFARE USHERS IN GOLDEN ERA FOR OXYGEN GENERATORS

A constant stream of pure oxygen is vital for many functions, too little or run out of this necessity puts lives in danger, which is why a leading global manufacturer of gas process systems is urging industrial users to jettison conventional containers and

Australia-based Oxair says that having a constant supply of high purity oxygen on tap, compared to being dependant on shipping in cylinders from an outside source, could be the difference between life and death when treating patients in hospitals and medical facilities.

Already in use in many remote locations where healthcare might be compromised due to failing supplies of cylinders, Oxair's Pressure Swing Adsorption (PSA) system is enabling hospitals to be self-sufficient in generating the purest of oxygen for years to come.

By switching from cylinders, that can be at the mercy of delays during transportation as well as being potentially prone to corrosion from moisture, salt and other materials, to Oxair's oxygen generator reduces manpower handling cylinders, saves room space and the life-saving gas is immediately available.

In addition to saving lives on wards, Oxair's robust technology is ideal in the extreme conditions that can often be encountered in sectors such as mining, farming or even in the military where the use of resources to clear empty oxygen cylinders can become a thing of the past.

Safety in gold mining is improved significantly through the use of oxygen generators. Mined rock is usually ground up and turned into a slurry by adding cyanide, oxygen and water before being fed through a carbon bed to extract the gold. Incorporating highly purified oxygen actually allows cyanide to work more efficiently and thus reduces the quantity of this deadly poison in the leaching process.

Another advantage of Oxair's generators when a constant, onsite source of oxygen is required for mining operations is their design. High quality parts for valving and piping means less maintenance and low power consumption when compared to other manufacturers.

Environmental considerations are a key priority for mining companies, the addition of highly purified oxygen into the mix helps to destroy leftover cyanide in the waste mixture and so creates a purer and cleaner waste product at the point of disposal or evaporation.

Oxair generators can deliver constant oxygen of 94%-95% purity through PSA filtration, 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.

The equipment also boasts noise control technology, user friendly colour touch screen HMI, full diagnostic history, continuous monitoring of on-stream oxygen to ensure uninterrupted supply, consistent, high purity oxygen, automatic operation – no extensive technical training required – high quality parts for less maintenance, guaranteed performance and lower energy and air consumption.

From saving precious lives to extracting precious metals rugged oxygen generators from Down Under can safely and securely ensure an uninterrupted flow of this precious gas for many processes, offering a cost-effective alternative to shipping in cylinders.

## Contacts

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