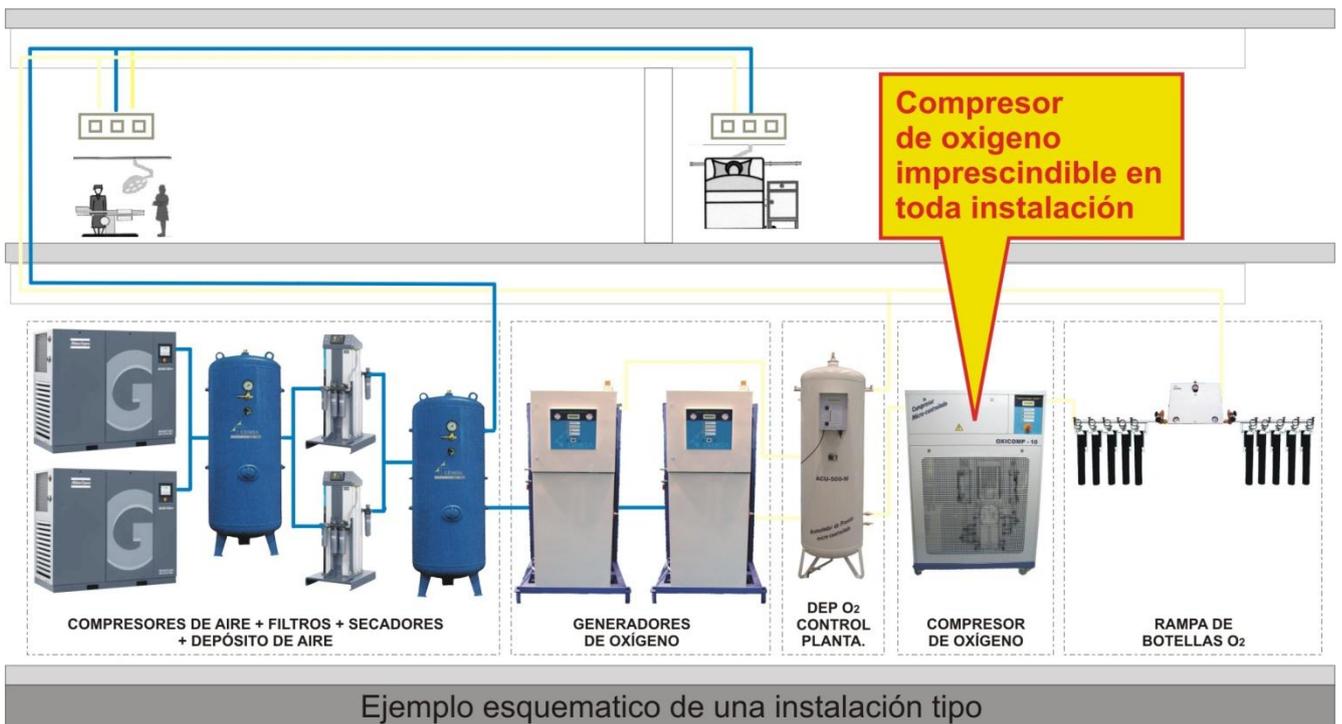


## LOCAL OXYGEN GENERATION AND BOTTLING PLANTS FOR USE IN HOSPITALS

If you want to stop paying for the oxygen or medical air you use and save a great deal of money and work, then we know how. Buy a local oxygen generation and bottling plant and go self-sufficient. Paying less than you are currently paying in monthly payments, the installation starts paying for itself in three or four years. From then on, each cubic metre of oxygen costs you the price of kW/hour. Other medical facilities (Hospitals and Clinics) have already taken the plunge with outstanding results.



If your medical facility has decided to change from a liquid oxygen supply (dewars or cylinders) to gas, local PSA gas oxygen plants for use in hospitals, then it is most probably due to the exorbitant annual cost that it has to pay for each cubic metre of oxygen and the rental and handling of dewars and cylinders, without ever benefiting from falling costs of any kind.

It is very important for the installation to be properly scaled in order to supply the medical facility according to its demand for oxygen. It is also important to put all the oxygen produced to good use by using an oxygen compressor to fill bottles. Such a compressor should form an essential part of any oxygen generating installation.

Unlike other manufacturers of oxygen generators that install their products in hospitals, we also manufacture oxygen compressors. Our compressor is the only compressor available in the world that uses a cooling system based on liquid coolant cooled by air so that the oxygen comes out at low temperature. It is also fitted with a special low-rpm geared motor with electronic pressure and temperature control.

With our oxygen compressor, you will no longer have to depend on an oxygen supplier because you will be able to fill the bottles your facility requires on your own in order to keep the bottles in the reserve supply full at all times.

# ceimsa

Ceimsa Oxygen Generation and Bottling Plants are designed with two supply sources (Oxygen generators) and a reserve supply (Ramp with bottles) to ensure a continuous supply, catering for automatic exchange in order to alternate supply sources if needed and to make regular maintenance inspections easier. Their monitoring and alarm systems not only make operational monitoring easier, but also facilitate functional and clinical (gas identification) emergency monitoring, allowing for corrective action.

Before reaching any kind of decision, bear in mind that:

- Our installations are highly efficient from an energy perspective. When there is no demand, the installation stops and does not consume any energy.
- Our installations have oxygen compressors with which to fill bottles, making it unnecessary to maintain bottle supply contracts with gas suppliers.
- Our oxygen compressors work at less than 30 rpm, which implies significant advantages: they do not heat the oxygen, meaning that it can be used immediately (the O<sub>2</sub> does not exceed 35°C, so it is not necessary to cool it down) and there is no laminar flow in the gas, making the installation much safer.
- The oxygen bottles come included, meaning it is no longer necessary to continue making the bottle rental payments that you currently have to make.
- Ceimsa has a marketing authorisation from the Spanish Medication and Medical Product Agency for the manufacture of oxygen generators.
- Our generators bear the CE medical device mark. The other machines and components that make up the installation comply with current European standards and come with the relevant CE declarations of conformity.
- Our Quality System is certified: ISO 13485 Quality Management System for Medical Devices, ISO 9001 Quality Management Systems.
- Our oxygen installations comply with: UNE-EN ISO 7396-1:2007/A1 and A2:2010, Medical gas pipeline systems. Part 1: Pipeline systems for compressed medical gases and vacuum, which regulate the quality of the gases supplied, the reliability of continuous supply, the installation of reserve supplies, alarms, etc.
- Ceimsa's highly qualified team, with more than 20 years' experience, is at your disposal for the installation, assembly and maintenance of our oxygen plants.

