



OXYGEN Application

O₂ APPLICATION

Oxygen (O₂) is an active, life-sustaining component of the atmosphere: making up 20.94%. It is colorless, odorless and tasteless. Oxygen is commonly used, with or instead of air, to increase the amount of oxygen available for combustion or biological activity. This increases reaction rates and leads to greater throughput in existing equipment and smaller sizes for new equipment.

Oxygen has numerous uses in steelmaking and other metals refining and fabrication processes, in chemicals, pharmaceuticals, petroleum processing, glass and ceramic manufacture, and pulp and paper manufacture. It is used for environmental protection in municipal and industrial effluent treatment plants and facilities. Oxygen also has numerous uses in healthcare, both in hospitals, outpatient treatment centers and home use. For some uses, such as effluent treatment and pulp and paper bleaching, oxygen is converted to ozone (O₃), an even more reactive form, to enhance the rate of reaction and to ensure the fullest possible oxidation of undesired compounds.



Veterinarians

As an essential veterinary facility, the central oxygen supply system is designed with monitoring features allowing backup and the ability to trigger immediate restoration in the unlikely event of a system failure.

Oxygen is used for stabilizing animals both during and after surgical procedures. Hyperbaric Oxygen Therapy (HBOT) is a new method that veterinarians are using today to treat wounded or chronically ill animals. This exciting treatment accelerates normal post-operative healing and increases the benefits of many antibiotics by improving their tissue penetration.

