OXYGEN
Application

O_2 APPLICATION

Oxygen (02) 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 (03), an even more reactive form, to enhance the rate of reaction and to ensure the fullest possible oxidation of undesired compounds.

Aquaculture – Fish Farming

In recent years, fish farming has turned into high density farming practice using ponds, large scale tanks etc. Oxygen is essential in all modern fish farming. Fish need oxygen to live and grow, when fish grow the density of fish in the ponds increases, while the oxygen saturation level in the water decreases and the loss of fish will be high.

Adding oxygen into water helps the fish farming industry to maximise production by enhancing water treatment and recycling processes.
Pure oxygendosed in correct way ensures faster growths rates, less stress and diseases and higher quality.