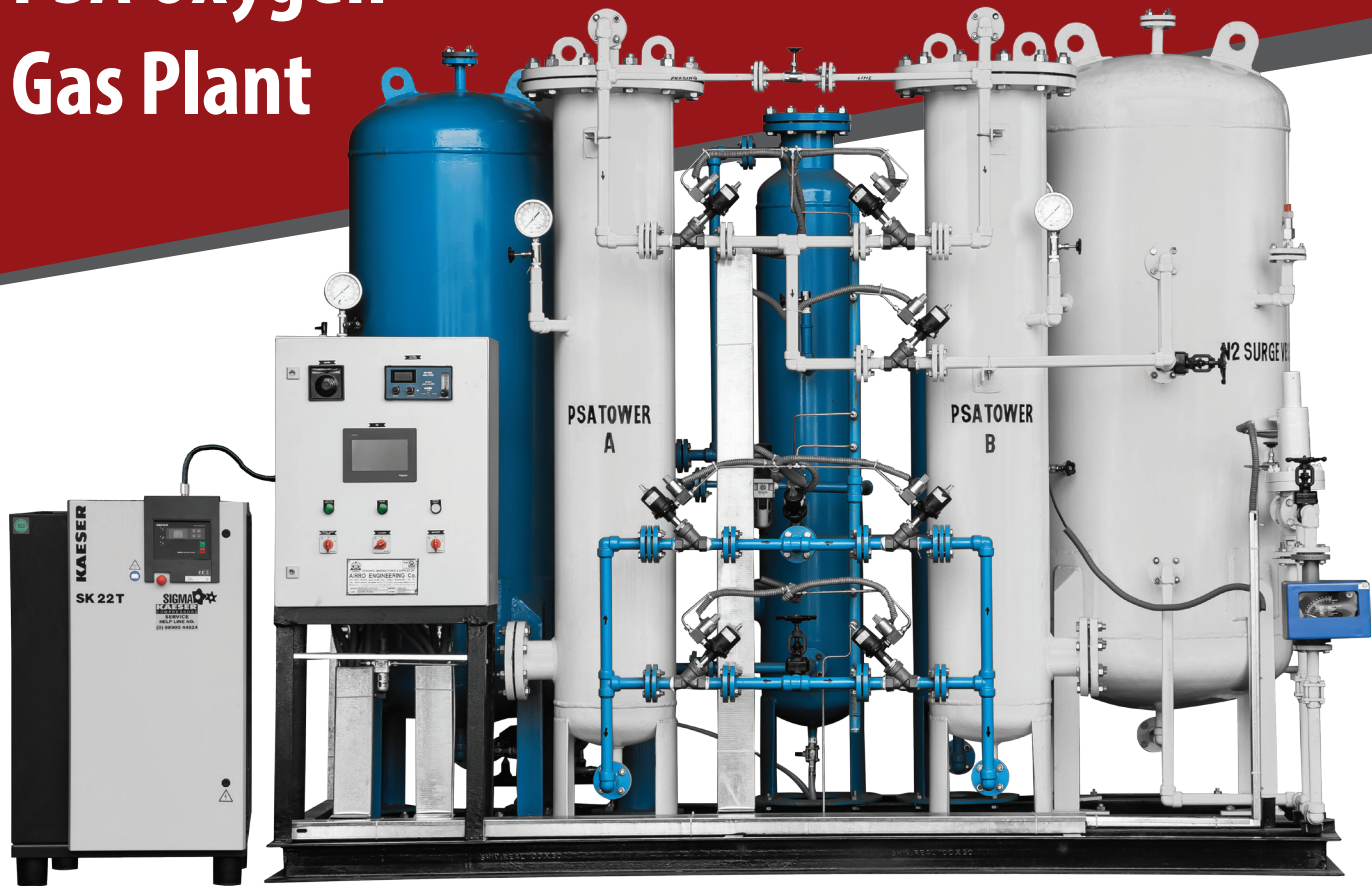


PSA Oxygen Gas Plant



PSA oxygen plant plays a very important role in Medical, Glass, Fish & other Industry. Oxygen Gas can be generated through Pressure Swing Adsorption Technology. Oxygen Plant is designed to produce onsite Oxygen gas so that dependency of Oxygen cylinder can be free. This Plant is automatic and required no such approval to install in the Hospitals.

PSA Oxygen Principle

This process consists of two adsorber towers filled with Zeolite Molecular Sieve (ZMS) & Activated Alumina. Clean compressed air at 30°C is passed through one adsorber tower and oxygen comes out as product gas. The exhaust gas (Nitrogen) is discharged back in to the atmosphere. Upon saturation of the ZMS tower the process switches oxygen generation to the other tower through change over valve allowing the saturated tower to undergo regeneration by depressurization and purging to atmospheric pressure. This process is continuous through PLC fitted in the control panel. Thus two adsorber tower automatically change over alternately in Oxygen Production and regeneration ensuring Oxygen gas is continuously available to your process.

Salient Features

- Capacity- 5 to 200Nm³/hr
- Oxygen Purity-93% to 95% can be achieved easily
- Low Space Requirement
- Reliable, tested technology
- Fast Startup
- Fully Automatic
- Low Power Consumption
- Maintenance Free
- Low Capital & running cost
- Fully customized equipment is available as per customer requirement

Application

- In Medical & Hospitals
- Glass Industry
- In Brazing Industry
- Chemical Oxidation
- Ozone Generation
- Steel plate cutting
- Fish Industry
- Waste Water Treatment

Pressure Vessels

Pressure vessels are very commonly used in the industry. We design, manufacture and supply pressure vessels, air receivers and gas storage tanks as per the requirement of customers. We are having more than a decade of experience in fabrication of pressure vessels and air receivers.

We are manufacturing low pressure, high pressure and medium pressure vessels for variety of applications. Material of construction is generally kept as per customer requirement although mild steel and stainless steel is being used in majority. We are having strict quality policy to adhere with from beginning of design to final painting of vessels.



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