ANG HOSPITAL EQUIPMENTS

Make your Own Oxygen...at Reduced Cost

Lower your Facility`s Operation Cost – Take it directly from Air
Eliminate the expense of Purchasing, Receiving & Monitoring Your Hospital`s Oxygen Supply
Monitor the Oxygen quality instantly
Fully Automatic Operation requiring no special attention- Man less Operation
Generates Oxygen as and when required – Plug It, Switch on & forget
Easy to install and maintain – Skid Mounted & pre-commissioned
Purity of Oxygen up to 93-95% can be achieved (Approved by US Pharmacopeia)

93% Oxygen Safe for Medical use....Oxygen Produced meet the United States Pharmacopeia (USP) XXII oxygen 93% Monograph.

OXYGEN 93 PERCENT

USP requirements: Oxygen 93 Percent USP—Preserve in cylinders or in a low pressure collecting tank. Containers used for Oxygen 93 Percent must not be treated with any toxic, sleep-inducing, or narcosis-producing compounds, and must not be treated with any compound that will be irritating to the respiratory tract when the Oxygen 93 Percent is used. It is Oxygen produced from air by the molecular sieve process. Where it is piped directly from the collecting tank to the point of use, label each outlet "Oxygen 93 Percent." Contains not less than 90.0% and not more than 96.0%, by volume, of oxygen, the remainder consisting mostly of argon and nitrogen. Meets the requirements for Identification, Odor, Carbon dioxide (not more than 0.03%), and Carbon monoxide (not more than 0.001%).

Medical Oxygen Generator Skid

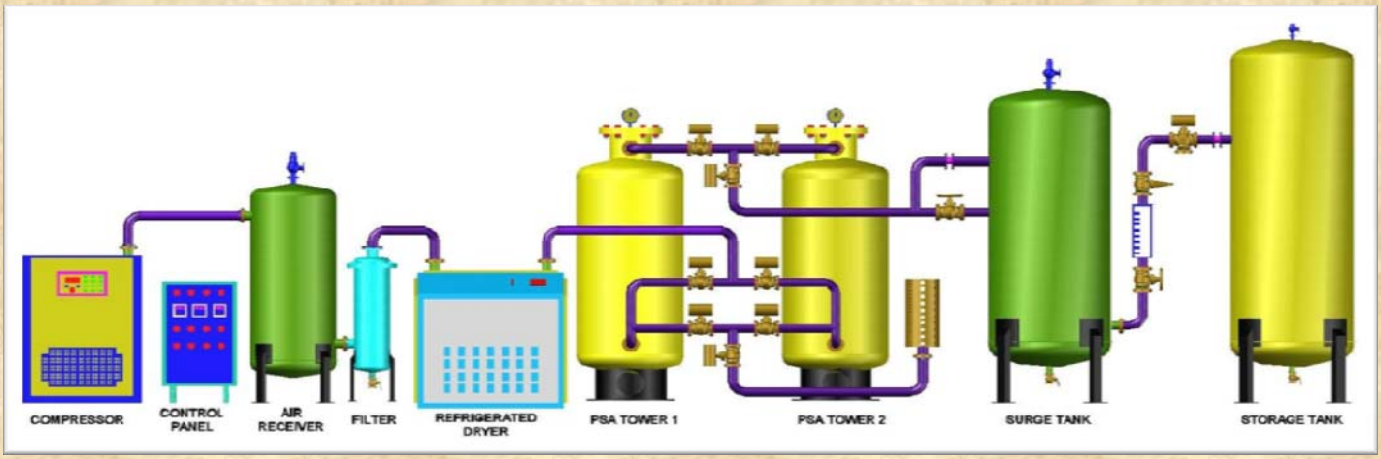
Equipments are Fabricated in accordance with all relevant codes...ASME, IS, ANSI, NEMA.

Flow & Purity of Oxygen can be monitored online optionally.

System can be operated without extensive technical training to operator.

Tailor Made Equipments.

ON SITE OXYGEN GENERATION SYSTEM



This is PRESSURE SWING ADSORPTION (PSA) process.

In this system, when compressed air is passed through a adsorption tower field with Z.M.S, the molecules of nitrogen, moisture & other unwanted gases are adsorbed on surface of Z.M.S and oxygen which is not adsorbed by Z.M.S comes out of adsorption tower. This oxygen is collected in a surge vessel. Two adsorption towers are used for continuous generation of oxygen gas, which are interconnected with auto-change over valves controlled by Programmable Control Panel (PLC) in the control panel. After saturation of one tower with oxygen, the process automatically changes over to another tower resulting into the continuous production of oxygen gas for long.

Parameters	ANG Onsite PSA O2 Generator	Existing Cylinders
Autonomy	Our System gives you full autonomy. No more gas supply Constraint.	There are constraints of Suppliers. Logistic dependency. Local Turmoil dependency. etc
Handling	Easy to handle. Fully Automatic.	Tough to carry. Unloading and loading is tough job.
Cost	Cost involves only in Electricity. As Raw Air is free. Almost reduces upto 70% cost.	Heavy costs involve.
Safety	Secure and safe in operation.	Not Safe. As, Cylinders are at 150 Bar Pressure. May Explode and cause serious injury.

Hospital System Size Estimator

[No. of beds X 0.75 LPM] + [No. Of other outlets* X 10 LPM] = Total LPM

** ICU, Operation Theatres etc...* *LPM X 0.357 = CFM*

Ref & Desicant Air Dryer	Bio Gas Dryer	Oil & Gas Filter	PSA Nitrogen Plant	Air Compressor	Ammonia Cracker	Air & Water Chiller

AIR-N-GAS PROCESS TECHNOLOGIES

B-8, Maruti Indl. Estate, Nr. Kiran Ind, PH 1, GIDC Vatva,
AHMEDABAD-382445 , GUJARAT (INDIA)
TELEFAX: +91 79 40064451 CELL: +91 9879567526
Email: shailesh@air-n-gas.com
Website: www.air-n-gas.com