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OXYGEN

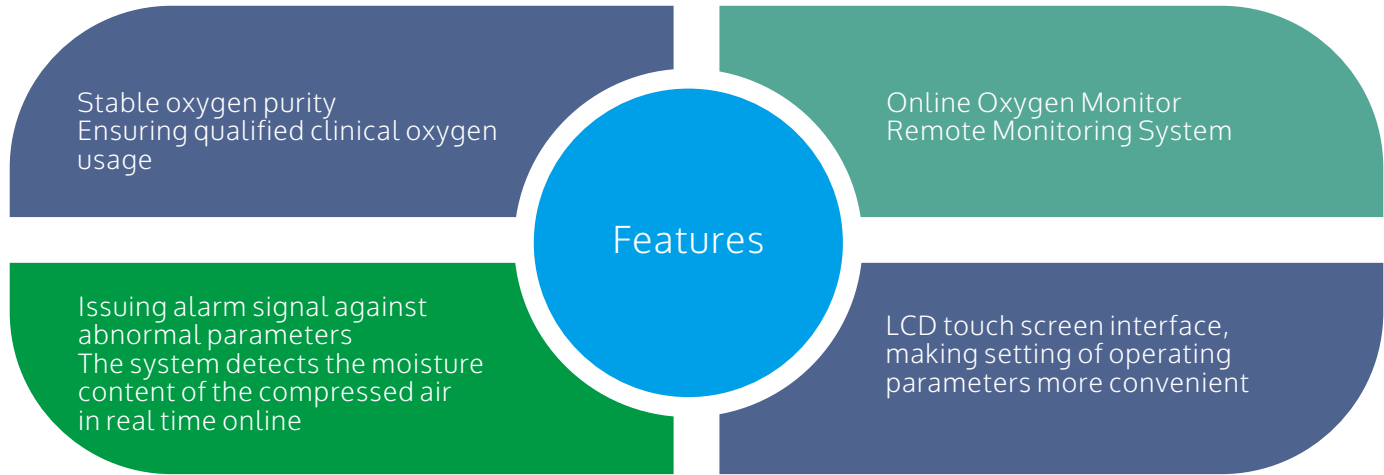
GENERATION SYSTEM

P

PSA Oxygen Generator System

ET oxygen generator system can produce medical level oxygen from the air directly with time proved PSA technology, 93%±3% oxygen purity is full meet the Europe and USA and China medical standard. Skid-mounted design and intelligent PLC control ensure for the easily installation and operation. APP monitoring platform support for the remote monitor.

Comparing with the liquid oxygen and cylinder oxygen, ET PSA oxygen generator system can save about 50% cost for long term. As a more economical solution, onsite PSA oxygen generator system is more and more popular for hospitals.



Technical Parameters

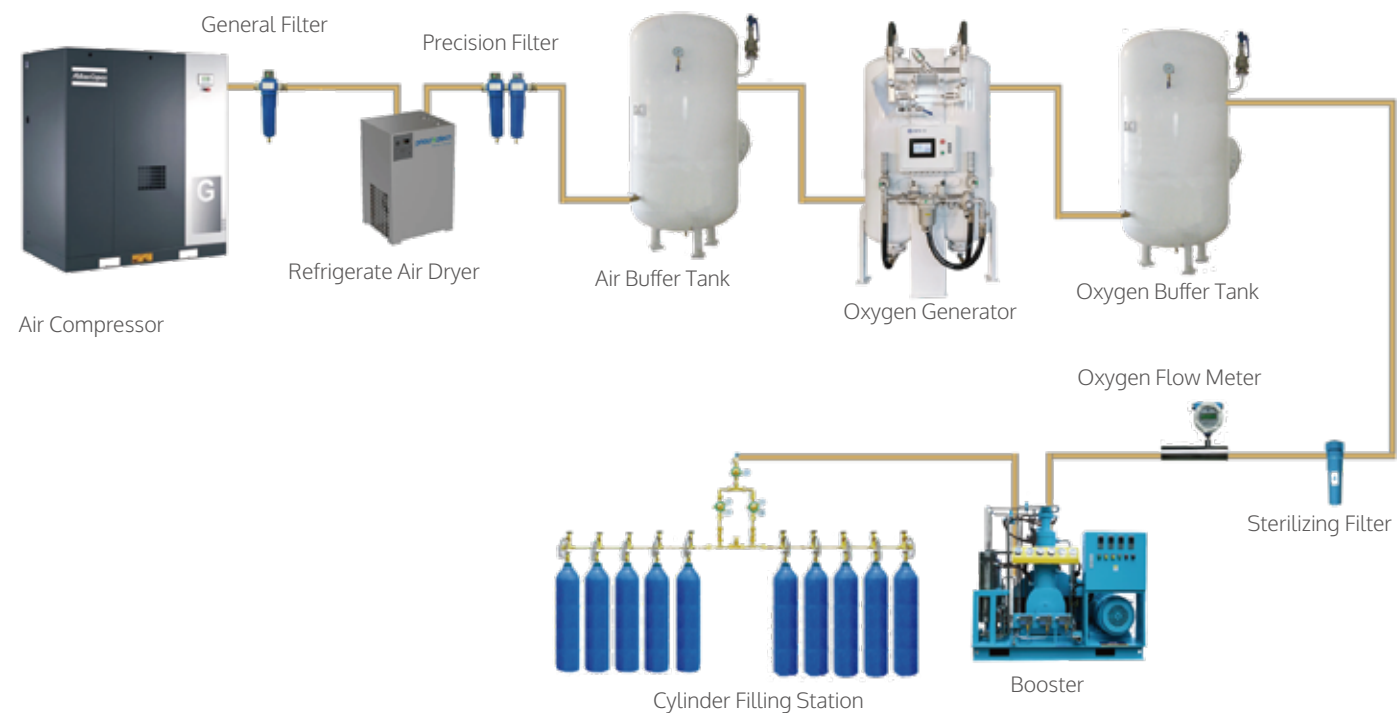
Inlet pressure: 0.6mpa	Output pressure: 0.3-0.45mpa
Oxygen purity: 93±3%	Oxygen flow: 3-160m3/hr
Power: 60w	Frequency: 50hz/60hz
Supply voltage: AC220v	Low noise: ≤85dB

Model	Capacity (Nm3/h)	Size (mm) L*W*H	Weight (KG)	Air Inlet	Oxygen Outlet	Buffer Tank
ET-03	3	760×750×1850	380	DN15(G1/2")	DN15(G1/2")	300L
ET-05	5	760×750×2200	450	DN15(G1/2")	DN15(G1/2")	600L
ET-10	10	880×780×2400	780	DN20(G3/4")	DN15(G1/2")	600L
ET-15	15	1070×940×2500	1080	DN25(G1")	DN20(G3/4")	1000L
ET-20	20	1450×950×2500	1260	DN32(G1 1/4")	DN20(G3/4")	1000L
ET-30	30	1500×1000×3000	1680	DN40(G1 1/2")	DN25(G1")	2000L
ET-40	40	1750×1200×3150	2150	DN40(G1 1/2")	DN25(G1")	2500L
ET-50	50	2000×1350×3300	2500	DN40(G1 1/2")	DN25(G1")	3000L
ET-60	60	2288×1599×3500	2900	DN40(G1 1/2")	DN25(G1")	3000L
ET-80	80	2600×1750×3700	3400	DN40(G1 1/2")	DN25(G1")	3000L

Oxygen Cylinder Filling System

Description

ET oxygen cylinder filling system is consisted of screw air compressor, refrigerant dryer and filters, air buffer tank, Eter PSA oxygen generator, oxygen buffer tank, oxygen booster and cylinder filling station. It can produce oxygen with $93\pm3\%$ purity and fill in cylinders. As a complete system, Eter oxygen cylinder filling system can be widely used for oxygen gas station and hospitals.



Features

- More than 10 years operation;
- Automatically control and monitor;
- Energy saving and environmentally friendly;
- Stable oxygen purity, 24 hour safe oxygen usage;
- Easy installation and operation and maintenance;
- Can produce oxygen based on the actual demand;
- No need for transportation and supply oxygen onsite;
- European and US Pharmacopoeia medical level oxygen.

Technical Parameters

Model	Oxygen Capacity	Oxygen Purity	Filling Pressure	Filling Capacity
	(Nm ³ /h)	%	(Mpa)	(Cylinders/Day)
ET-B3	3	93±3%	15 (Can be customized)	12
ET-B5	5			20
ET-B10	10			40
ET-B15	15			60
ET-B20	20			80
ET-B30	30			120
ET-B40	40			160
ET-B50	50			200
ET-B60	60			240
ET-B80	80			320

Note:Filling capacity based on 15Mpa pressures &40L cylinder volume &24 operation hours per day.

C Compacted Oxygen Generator System

The village clinics and small hospitals are troubled by the oxygen sources, because of lower oxygen consumption and long distance,the traditional oxygen cylinders or liquid oxygen can not ensure for the oxygen supply constantly and safely.

Uncontrollable

The oxygen purity cannot be detected, and the oxygen quality cannot be guaranteed.

Inconvenience

Transportation is easily affected by road and climatic conditions, and medical oxygen cannot guarantee emergency needs.

Unsafe

Bottle oxygen explosion accidents have occurred in succession, there are potential safety hazards in handling, storage, and use, and it is easy to leak and cause accidents.

Expensive

The purchase price is high, the demand for oxygen is small, the one-time purchase quantity is small, and the transportation cost in remote areas is high.



◆ Features

- Integrated oxygen system, oil-free design, stable concentration, safe and reliable;
- Small footprint and less consumables, low concentration alarm to ensure oxygen quality;
- The main components are imported to ensure product quality;
- Using three-phase 380V low-voltage power supply, low noise and low energy consumption;
- Digital energy-saving design, energy saving and environmental protection;
- It can be directly connected to the oxygen supply pipeline system of small medical institutions;
- The oxygen production process is controlled by microcomputer, fully automatic operation.

◆ Technical Parameters

Model	Oxygen Production	Motor Power (KW)	Power Supply	Size (mm)	Weight (KG)	Noise Level (dB(A))	Additional Tank	Machine Room (m2)
ET-A20	1Nm3/h (20LPM)	2.50	380V/50Hz/3ph	1600*750*1300	420	60±3	300L/0.6Mpa	10~12
ET-A30	2Nm3/h (30LPM)	4.00	380V/50Hz/3ph	1600*750*1300	480	62±3	600L/0.6Mpa	10~12
ET-A50	3Nm3/h (50LPM)	6.00	380V/50Hz/3ph	1600*800*1500	550	63±3	600L/0.6Mpa	12~15
ET-A80	5Nm3/h (80LPM)	10.00	380V/50Hz/3ph	1600*800*1920	750	65±3	800L/0.6Mpa	12~15

Oxygen Purity: 93%±3% Oxygen Pressure : 0.35-0.45(Mpa)

C Containerized Oxygen Generator System

ET containerized oxygen generator is consisted of the screw air compressor, air dryer, filters, buffer tanks, oxygen generator, electricity control system and the optional oxygen cylinder filling station. The complete system is installed and tested at factory, delivery to customer's turn-key project.

ET containerized oxygen generator is removable, and make the onsite installation and operation very easy. It can also save the cost for the decoration cost of the machine room.



◆ Features

- Designed for outdoors;
- Small and easy machine room;
- Turn-key project and removable;
- Easy for installation and operation;
- Smart monitor and control system;
- Conveniently open and shut down;
- Heat and sound insulation treatment;
- Compact in structure, small in floor area.

S Skid-Mounted Oxygen Generator System

ET skid-mounted oxygen generator system is a complete onsite system which can produce oxygen from the air directly and fill cylinders, all the components are installed together.

For this system, the installation and commissioning shall be finished in factory in advance, delivery to customer as a turn-key project. plug in and operation, no need for additional jobs, easy for the customers.



◆ Features

- Convenient maintenance;
- More Convenient, quickly start;
- Stable operation and highly reliable;
- Intelligent onsite or remote monitoring;
- Compact in structure, small in floor area;
- Skid mounted for easy installation and move;
- Proven PSA technology, reliable and economy;
- Stable oxygen purity, 24 hour safe oxygen usage.

◆ Intelligent Electric Control Cabinet

- Power distribution function;
- Internet communication: computer/mobile app;
- Support for data record and remote data transmission;
- Alarms prompt and system dynamic display and operation;
- Devices running status monitoring, types of sensors monitoring;
- Monitoring and alarming the system, such as power off, low flow rate, low purity;
- Control the oxygen generation system automatically, collect the data of the system.



◆ Oxygen Online Monitor

- Patented oxygen online monitor researched and designed by ET;
- Monitoring the oxygen purity and alarming;
- Support for data record and remote data transmission;
- Multi-functional integrated design and easy for installation;
- Monitoring the water & CO content in the oxygen and alarming;
- Omnibearing monitoring the oxygen supply and ensure for good oxygen quality.



◆ Air Dew Point Monitor

- Patented air dew point monitor researched and designed by ET;A
- alarming for the high dew point;
- Digital display the dew point of the air, easy to read;
- Support for data record and remote data transmission;
- Ensure the oxygen generator not be damaged by the water;
- Monitoring the water content in the compressed air and alarming;



◆ Oxygen Flow Meter

- Intrinsic safe enclosure;
- Hygienic stainless steel body ready for oxygen metering;
- Extended range ability for accurate flow monitoring and control;
- Standard 4 ~ 20 mA or RS485 for remote data communication;
- Detachable display that can be placed away from the flow channel via a specially designed cable

◆ ET-Cloud APP_R

- Remote monitoring;
- Remote message alarming;
- Remote data record.



◆ Oxygen Analyzer

- The latest touch button technology is adopted to prolong the service life of keys;
- Data storage function: recording test data regularly and querying and storing data quickly;
- Menu lock switch: prevent misoperation and change of analyzer parameters from affecting its normal operation;
- Adopt ion current sensor, which has high precision, good stability and longer service life;
- The surface of the window is covered with a piece of toughened glass so as to protect the LCD display and buttons;

