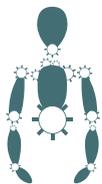


PSA Oxygen Plant



SERVYMED

Manufacturers of PSA Oxygen Plant, MGPS & Gas Industry

WWW.SERVYMED.COM

At Servymed, we understand the importance of providing high-quality and reliable medical oxygen to healthcare facilities worldwide.

A COMPANY IS ONLY AS GOOD AS THE PEOPLE IT KEEPS

Choose Servymed for your medical oxygen needs, and together we can promote health and wellness across the world.



"A breathe of life with SERVYMED"

ABOUT US

Welcome to ServyMed, a Türkiye-based company committed to providing comprehensive turnkey solutions that encompass everything from design and manufacturing to installation, training, and ongoing maintenance. We specialize in the production of PSA plants under the brand name ServyO2, engineered to produce high-purity oxygen that is ideal for use in a range of medical settings. Our commitment to quality is evident in our CE certification, which serves as a testament to our compliance with essential health and safety requirements outlined in relevant European directives.

Our team is dedicated to providing the highest-quality materials and equipment in all of our projects, ensuring that our customers, including distributors, resellers, and dealers, can rely on their equipment to meet the needs of their local markets and function at peak performance levels. We understand the importance of reducing costs without sacrificing quality, which is why we are committed to providing our customers with the best possible product at an affordable price.

At ServyMed, we take pride in our work and strive to exceed our clients' expectations in everything we do. With our focus on quality, customer service, and innovation, we aim to be the go-to solution provider for those seeking reliable and efficient oxygen production solutions. Contact us today to learn more about our services and how we can assist you with your project needs.



CE



ISO 13485



ISO 9001

Oxygen Production Systems

SERVYMED 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.

Comparing with the liquid oxygen and cylinder oxygen, Medeng 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.

More Convenience

The system can be controlled by computer automatically, LCD touch screen interface, it is easy to operate and run. No need for complex operation such as purchase ,transportation,storage,canning etc.

online oxygen monitor, remote monitoring system.

Energy Saving and Environmentally Friendly

The raw material is air, which is easy to get.

low noise ≤ 85dB, phisical process, gas control

system, no pollution.No need to transport oxygen by cylinders because there are the connected pipes.

More Safety

Time Proven PSA (pressure swing adsorption)

technology to separate the oxygen from the air Directly.

No split charging during the shipment, which decreases the safety risks. Issuing alarm signal against abnormal parameters.



PRODUCT & SERVICES

ServyMed Pressure Swing Absorption Oxygen Generator Plant

Our PSA Oxygen Plant utilizes advanced Pressure Swing Adsorption (PSA) technology to generate a continuous supply of high-purity oxygen from ambient air. This innovative system offers numerous advantages over traditional oxygen supply methods, making it an ideal solution for various applications in healthcare, industry, and beyond.



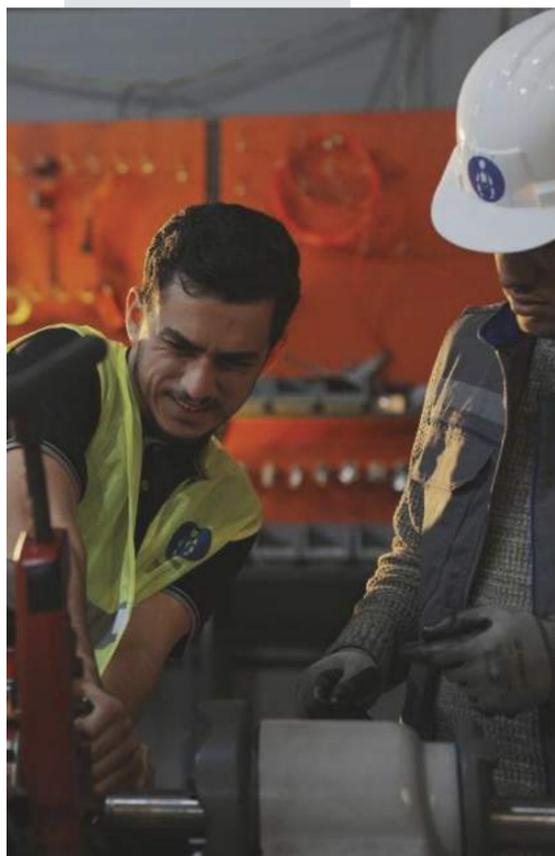
OXYGEN PRODUCTION SYSTEM COMPONENTS

- 1.Oxygen Generation System Compressor: it is the component that collects the air needed by the PSA Oxygen Production System.
- 2.Oil Trap: it prevents the oil in the system from leaking into the oxygen generator.
- 3.Air Tank: the air from the compressor is collected here.
- 4.Dryer: it is used to separate the water vapour in the air coming from the air tank.
- 5.Activated Carbon Tower (optional): it is used to filter odor and oil mist.
- 6.Oxygen Generator: transforms dry and pure air into oxygen by filtering it through zeolites.
- 7.Oxygen Tank: it is the pressure vessel where the gas produced in the Oxygen generator is stored.
- 8.Oxygen Booster: the pure oxygen produced is used to fill cylindrical tubes.

Oxygen Production Systems

Specifications

Oxygen Generators Capacity: 3Nm³/h~100Nm³/h(single unit)
Medical Oxygen Purity: 93%±3% (with PSA technology)
Power supply: 380V/220V
Latest components to ensure smooth performance
Oxygen for medical use is the best alternative to liquid supply for filled cylinders
Direct container loading from factory, easy to transport
Simple installation, automatic operation or manual control according to user needs
Exterior dimensions are mainly for 20' and 40' countries
Best alternative to liquid supply for filled cylinders



Medical Gas Container

Servymed manufactures systems that are placed inside the container according to the needs of the users. Container type systems have less footprint in terms of structure. Standard container systems - 20C / + 55C are manufactured in accordance with the work. If requested, they can be manufactured for different environmental conditions. All productions can be made into ISO 20 or ISO 40 containers

Easy to ship.
Resistant to harsh conditions.
It is not affected by high temperature and cold.
Modular or configurable with Twin Tower Oxygen Generator.
It provides the possibility of producing 96% or 99.5% purity oxygen.
Standard oxygen outlet pressure 6.5 bar.
Provides higher output pressure if requested.(20-40-150-200 bar)
Tube filling system with the addition of the tube offers the possibility.



CONTAINER TYPE OXYGEN PRODUCTION SYSTEM

Due to its portability, transportation is easy. It provides convenience in service for field hospitals in essential cases such as disaster and emergency.

We carefully strategize a personalized solution to your unique requirements that is guaranteed to deliver performance results and ultimate satisfaction



SERVYMED PSA OXYGEN GENERATOR SYSTEM TYPES CYLINDRICAL TUBE FILLING SYSTEMS.

High Pressure Compressors are specially designed for the safe compression of oxygen and other dry gases



PLATFORM TYPE OXYGEN PRODUCTION SYSTEM

It is put into service with all electrical and mechanical assembly done. It does not require any labour.



CAPACITIES

SERVY 1500l-9m ³ /h OXYGEN GENERATOR	18 kW(3,42 m ³ /min) EKO 18 DVSTC	CAD 110 6,5 m ³ /min	MESSA 220 P-G-H / 65 C-D	TEKSAN TB 750 LT	TEKSAN TB750 LT
SERVY 2000l-12m ³ /h OXYGEN GENERATOR	22 kW(3,84 m ³ /min) EKO 22 DVSTC	CAD 130 7,7 m ³ /min	MESSA 260 P-G-H / 110 C-D	TEKSAN TB 1000 LT	TEKSAN TB 1000 LT
SERVY 2500l-15m ³ /h OXYGEN GENERATOR	22 kW(3,84 m ³ /min) EKO 22 DVSTC	CAD 130 7,7 m ³ /min	MESSA 260 P-G-H / 110 C-D	TEKSAN TB 1000 LT	TEKSAN TB 1000 LT
SERVY 3000l-18m ³ /h OXYGEN GENERATOR	30 kW(5,6 m ³ /min) EKO 30 CDVST	CAD 170 10 m ³ /min	MESSA 330 P-G-H / 110 C-D	TEKSAN TB 1000 LT	TEKSAN TB 1000 LT
SERVY 3500l-21m ³ /h OXYGEN GENERATOR	30 kW(5,6 m ³ /min) EKO 30 CDVST	CAD 170 10 m ³ /min	MESSA 530 P-G-H / 110 C-D	TEKSAN TB 1500 LT	TEKSAN TB 1500 LT
SERVY 4000l-24m ³ /h OXYGEN GENERATOR	37 kW(6,8m ³ /min) EKO 37 CDVST	CAD 200 12 m ³ /min	MESSA 530 P-G-H / 110 C-D	TEKSAN TB 1500 LT	TEKSAN TB 1500 LT
SERVY 5000l-30m ³ /h OXYGEN GENERATOR	45 kW(7,90m ³ /min) EKO 45 CDVST	CAD 250 15 m ³ /min	MESSA 630 P-G-H / 110 C-D	TEKSAN TB 2000 LT	TEKSAN TB 2000 LT
SERVY 6000l-36m ³ /h OXYGEN GENERATOR	45 kW(7,90m ³ /min) EKO 45 CDVST	CAD 301 18 m ³ /min	MESSA 930 P-G-H / 110 C-D	TEKSAN TB 2000 LT	TEKSAN TB 2000 LT
SERVY 7000l-42m ³ /h OXYGEN GENERATOR	55 kW(9,9m ³ /min) EKO 55 CDVST	CAD 301 18 m ³ /min	MESSA 930 P-G-H / 110 C-D	TEKSAN TB 2000 LT	TEKSAN TB 2000 LT
SERVY 8000l-48m ³ /h OXYGEN GENERATOR	55 kW(9,9m ³ /min) EKO 55 CDVST	CAD 301 18 m ³ /min	MESSA 930 P-G-H / 110 C-D	TEKSAN TB 2000 LT	TEKSAN TB 2000 LT
SERVY 9000l-54m ³ /h OXYGEN GENERATOR	75 kW(12,90 m ³ /min) EKO 75 CDVST	CAD 401 24 m ³ /min	MESSA 930 P-G-H / 110 C-D	TEKSAN TB 3000 LT	TEKSAN TB 3000 LT
SERVY 10000l-60m ³ /h OXYGEN GENERATOR	75 kW(12,90 m ³ /min) EKO 75 CDVST	CAD 501 30 m ³ /min	MESSA 930 P-G-H / 110 C-D	TEKSAN TB 3000 LT	TEKSAN TB 3000 LT
SERVY 11000l-60m ³ /h OXYGEN GENERATOR	90 kW(12,90 m ³ /min) EKO 75 CDVST	CAD 501 30 m ³ /min	MESSA 1230 P-G-H / 220 C-D	TEKSAN TB 3000 LT	TEKSAN TB 2000 LT
SERVY 12000l-72m ³ /h OXYGEN GENERATOR	90 kW(16,3m ³ /min) EKO 90 CDVST	CAD 501 30 m ³ /min	MESSA 1230 P-G-H / 220 C-D	TEKSAN TB 3000 LT	TEKSAN TB 2000 LT
SERVY 13000l-78m ³ /h OXYGEN GENERATOR	90 kW(16,3m ³ /min) EKO 90 CDVST	CAD 501 30 m ³ /min	MESSA 1230 P-G-H / 220 C-D	TEKSAN TB 3000 LT	TEKSAN TB 2000 LT
SERVY 14000l-84m ³ /h OXYGEN GENERATOR	110 kW(19,6m ³ /min) EKO 110 CDVST	CAD 585 35 m ³ /min	MESSA 1230 P-G-H / 220 C-D	TEKSAN TB 3000 LT	TEKSAN TB 3000 LT
SERVY 15000l-90m ³ /h OXYGEN GENERATOR	110 kW(19,6m ³ /min) EKO 110 CDVST	CAD 585 35 m ³ /min	MESSA 1230 P-G-H / 220 C-D	TEKSAN TB 5000 LT	TEKSAN TB 3000 LT

