



OXYSWING®
Oxygen is yours

Oxygen is in the air... and it is yours...

Air separation has always been a specialization of the IGS group. Our nitrogen and oxygen generation systems, installed in every corner of the world, testify to the forty years of experience behind our group. With its three production facilities in the United States, Asia and Europe, and the numerous sales and after-sales centers in the world, Innovative Gas Systems sets top-quality standards everywhere.

Each system is designed, manufactured and commissioned according to the procedures of our quality system, which is regularly updated and optimized.



Our oxygen generation systems provide the gas required for aquaculture, for welding and brazing, for ceramics/glass production processes, or neon manufacturing, for feeding of ozone generators and for wellness applications. Moreover, OXYSWING® generators are certified as Class IIB Medical Devices to the directive 93/42/CE, which makes them fully suitable for any healthcare application.



...don't buy what you already have. Now...

The solution exists to all problems tied to the supply of oxygen. No longer you have to deal with supply difficulties, handling of high-pressure cylinders, evaporation of liquid gas, hazards of storage, unused gas still in returned cylinders, financial costs for rental and stock management .



The OXYSWING[®] oxygen generators provide the most simple and economic solution for producing oxygen according to your needs and with desired purity. Press the start button and your OXYSWING[®] will work for you automatically.

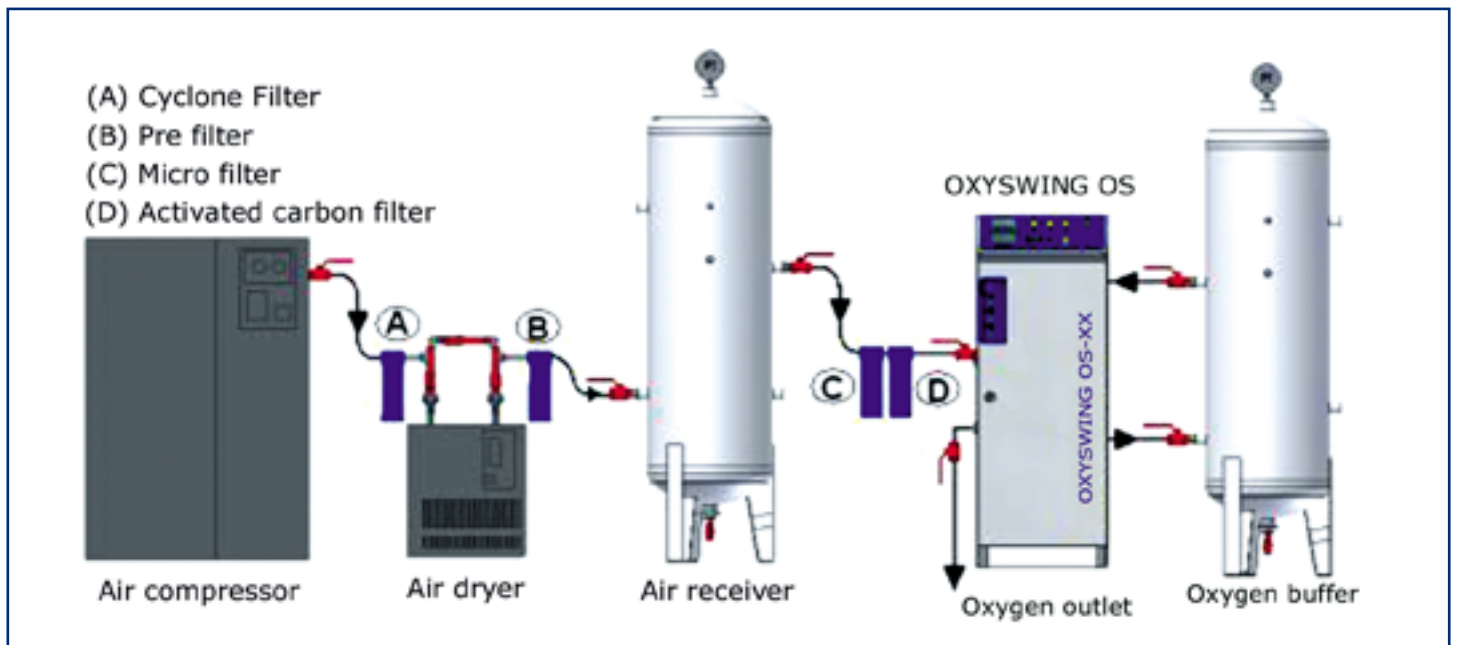
Discover the advantages:

- **INEXPENSIVENESS**
You are no longer subject to supplier price increases;
- **SAVINGS**
No rental, filling, delivery or order management costs;
- **UNLIMITED SUPPLY**
Oxygen always available, without any risk of running out of stock;
- **PERSONALIZED PURITY**
You can choose between 90% and 95% oxygen purities;
- **CONSTANT AND SAFE PURITY**
The oxygen purity is constantly checked through a high accuracy analyzer;
- **COMPACT DESIGN AND REDUCED DIMENSIONS**
Small overall dimensions, easy transport and simple handling;
- **SAFETY**
No more high-pressure cylinders storage, handling and changeover risks;
- **EXPANDABILITY**
You can increase the supply of oxygen whenever you want by simply adding modules or banks.



...you can make it by yourself...

Using your own air compressor or by installing a new one, your supply of oxygen is always on hand, safely and conveniently.



PSA (Pressure Swing Adsorption) technology permits producing oxygen by pressurization with compressed air of two towers filled with zeolite in cyclic alternation. While one of the towers is in the adsorption phase, the other one is regenerated by reducing the pressure.

The OXYSWING® oxygen generators combine cycling times and zeolite characteristics in the best possible way, achieving maximum productivity and efficiency.

The result is oxygen at the desired purity level, in total safety, without any waste, with low energy consumption and utmost environment friendliness.



...with all the advantages...

The features of the OXYSWING® range are such as to provide the best advantages in terms of convenience and simplicity.

- Components from primary suppliers available throughout the world
- Minimum maintenance
- Zirconium oxide cell based analyzer:
 - maximum reading reliability
 - inexhaustible
 - no yearly calibration required
- Electronic flow meter fitted inside the metal cabinet
- Telemetry for remote monitoring and control of the oxygen generator



Simple, fast and safe extension

- Complete expandability without making any substantial changes to the system
- Pipes, valves and air treatment already sized for utmost extension

OXYSWING® allows adding modules without complete disassembly of the unit, avoiding the risk of zeolite contamination inside the towers.



Would you like to double or triplicate the flow rate?

Choose the DUAL BANK system, just one control system for a double or triple machine.



...and as much as you want...

The OXYSWING®

range caters for all requirements and thanks to the addition of modules and the DUAL BANK system option, no limits exist to the supply.

Performance table

Flow Nm ³ /h (scfh) with air inlet pressure at 7 bar(g) / 100 psig						
Purity Vol. % O ₂	OS-8	OS-16	OS-24	OS-32	OS-40	OS-48
90	2,62 (101)	5,3 (204)	8,0 (308)	10,6 (409)	13,1 (505)	15,6 (601)
93	2,54 (98)	5,2 (200)	7,8 (301)	10,3 (397)	12,8 (493)	15,1 (582)
95	2,49 (96)	5,1 (197)	7,6 (293)	10,1 (389)	12,5 (482)	14,9 (574)
Oxygen discharge pressure: 5 to 6 bar(g) / 72 to 87 psig						

The use of the Dual Bank System will double or triple the above mentioned flow rates

Maximum compactness, minimum space

MODEL	DIMENSIONS mm (inches)	WEIGHT Kg (lbs)
OS-8	550 x 769 x 1672 (22 x 31 x 66)	306 (674)
OS-16	550 x 1039 x 1672 (22 x 41 x 66)	457 (1008)
OS-24	550 x 1309 x 1672 (22 x 52 x 66)	609 (1342)
OS-32	550 x 1579 x 1672 (22 x 62 x 66)	760 (1676)
OS-40	550 x 1849 x 1672 (22 x 73 x 66)	912 (2010)
OS-48	550 x 2119 x 1672 (22 x 83 x 66)	1063 (2344)



Main applications

Aquaculture • Brazing/Welding • Ceramics/Glass • Healthcare • Wellness

SAFETY · HIGH RELIABILITY · LOWEST ENERGY CONSUMPTION · LOW MAINTENANCE

...because oxygen is yours.



You can personalize

your system supplied on a single skid or mounted inside an ISO container.

All components of your packaged system will be selected according to the ambient conditions and the area classification of the installation site.

Before shipment, each system undergoes stringent testing, which also can be performed with your presence for major transparency.

After-sales service is an integral part of our philosophy. Our technicians reach customers all over the world to check correct installation, system commissioning and customer personnel training.

We can also provide a scheduled maintenance package, complete with services and spare parts.



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