



Özcan Kardeşler
tip cihazları, sanayi ve ticaret ltd.şti.
Medical Oxygen Plant & Filling Station

**We are the Leading Company in the Sector
Medical Oxygen and Storage Systems**

It has provided services in many areas, especially laboratory devices and intensive care devices, and in 2003, it started to focus on the production of medical oxygen production system as Özcan Kardeşler Medical Devices Industry and Trade Limited Company. Towards the beginning of 2013, it continues its activities in the market as an undisputed leader in this field.

Medical Oxygen Production and Storage Systems with Expert Staff, Spare Parts Services and R&D Studies.



UMTHOMBO
HEALTH CARE

CE Patented Products

Özcan Kardeşler Limited is a Turkish manufacturer that produces nearly 200 Medical Oxygen Production and Storage Systems in Turkey and 16 other countries under the ATAON brand.



Appropriate oxygen and nitrogen Producing ATAON Generators

Increase flexibility and cost-effectiveness with ATAON solutions and produce your own oxygen where and when you need it without sacrificing quality.

- It is used by a variety of industries around the world

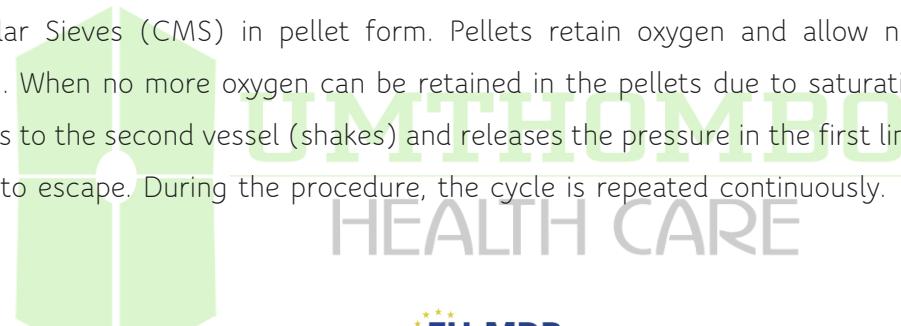
- Produces gas exactly where you need it
- It allows you to produce the quality you need
- The ATAON solution pays for itself in a very short time

PSA Technology with Himself Short in Time Amortize It does

PSA Technology All ATAON PSA oxygen and nitrogen generators are based on Pressure Swing Adsorption (PSA) technology, which we have chosen over other technologies because of its advantages in terms of reliability, system life, purity, and cost-effectiveness.

**Pressure Release Adsorption (PSA) Process of
nitrogen traditional Airborne Left and Concentrate Was location Since System
it is the heart.**

The PSA method uses parallel separation units (containers) filled with granular Carbon Molecular Sieves (CMS) in pellet form. Pellets retain oxygen and allow nitrogen to pass through. When no more oxygen can be retained in the pellets due to saturation, the process switches to the second vessel (shakes) and releases the pressure in the first line, thus allowing oxygen to escape. During the procedure, the cycle is repeated continuously.



EU-MDR

 Ozcan Kardeşler **ATAON**
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MEDICAL OXYGEN PLANT WITH FILLING STATION



Medical Oxygen Plant Size

- .. On-site medical oxygen produce.
- .. PSA Pressure swing adsorbing system.
- .. Automatic, manual and service mode.
- .. Easy and useful plug and play.
- .. Purity can be adjust %90-%996.
- .. Standard output purity %995.
- .. 93/42 EEC CE Certificated.
- .. ISO 10083 standart CE certificated.
- .. World largest hospital references.
- .. 150 Hospital references.
- .. ISO 13485 CE certificated.

Performance:

Purity (%)	% 90 - % 96
Oxygen Flow Rate (Nm3/Hr)	4 - 200

Options :

- * Oxygen monitoring
- * Cylinder filling system

General Specifications :

Dryer	:	Input :	+ 3
		Output :	- 60
Output Oxygen Pressure	:	4 - 6 Bar	
Input Pressure	:	7,5 Bar	
Power Supply	:	Oxygen Generator : Compressor :	220 V / 50 Hz 380 V / 50 Hz
Working Conditions	:		Minimum 0 °C Maximum 45 °C Dry and Ventilated room

Dimensions and Weight Spect :

Minimum - Max Room Size	(m)	Width	Length	High
Medical Oxygen Plant Size	(m)	1,2-5 (m)	4-10 (m)	2,3-3 (m)
Plant Weight	(Kg)	1,1 (m)	0,9-2 (m)	1,9-2,3(m)
		975 - 9.000 (Kg)		

Full Installations :



Which In Industries Used?

Our products, which appeal to many sectors, are widely used in different sectors, especially in medical.

Nitrogen's Gas Used Sectors

Oil and Gas Industry

Prevention of flammability and explosiveness in tanks, process equipment and pipes, Pressure testing of equipment and pipes, Pipe winding drive, it is used in areas such as chemical cover.

Food and Drink Sector

Fruit preservation and transportation, Wine cover, Pressurization of beer and beverages, it is used in food processing and packaging areas

Other Sectors

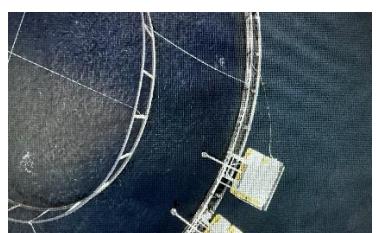
Electronic soldering, Plastic Mold, Stainless steel fabrication, Laser cutting, Pharmacy.

Oxygen's Used Sectors

Hospitals



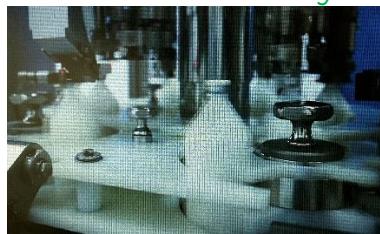
Fish Farms



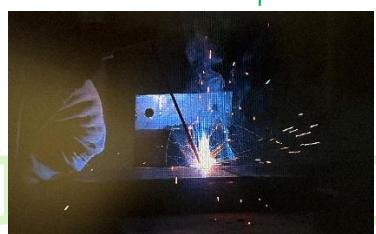
Ozone Production



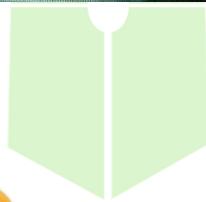
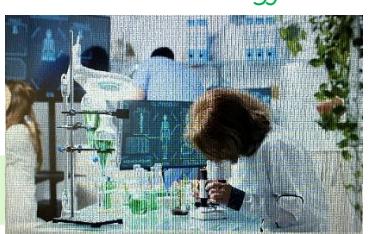
Medicine Industry



Source Manipulation



Biotechnology



HEALTH CARE



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tıp cihazları, sanayi ve ticaret ltd. şti.



UMTHOMBO
HEALTH CARE

Partnership for Excellence in Health across Africa & Globally

Source: Ozcan Kardeşler Website