



== Sumer SÜMER ULUSLARARASI SANAYİ VE TİCARET A.Ş.

Başkent Organize Sanayi Bölgesi Başkent Bulvari No: 81 Malıköy Sincan - Ankara - Turkey

with a scope of

Central Sterilization Units, Steam Sterilizers and Autoclaves, Washing and Disinfection Devices, Operating Tables, Medical Coolers, Heating Cabinets and Devices, Breast Milk Milking Device, Bag Cutting and Closing Device, Sterilization Stainless Equipment and Oxygen Production Storage Systems Design, Manufacturing, Sales and service

ISO 9001:2015

Has established a quality management system in accordance with international standard.

> " Following elements of the standard are excluded " "None "

Certificate No

: M 10516

Initial Certification Date

: 31 October 2016

Certification Date

: 06 August 2019

Expiration Date

: 05 August 2022

Klwa Certification Services Inc. ITOSB 9. Cadde No. 15 Tepeoren Tuzla Istanbul / Turkey

Tel: +90 216 593 25 75 Faks: +90 216 593 25 74 into@kiwa.com.tr www.kiwa.com.tr

Certificate is valid till expiration date, subject to successful completion of periodical surveillance audits. Please contact above numbers for detailed information.

General Manager













Sümer uluslararası sanayi ve ticaret a.ş.

Başkent Organize Sanayi Bölgesi Başkent Bulvari No: 81 Malıköy Sincan – Ankara – Turkey

with a scope of

Central Sterilization Units, Steam Sterilizers and Autoclaves, Washing and Disinfection Devices, Operating Tables, Medical Coolers, Heating Cabinets and Devices, Breast Milk Milking Device, Bag Cutting and Closing Device, Sterilization Stainless Equipment and Oxygen Production Storage Systems Design, Manufacturing, Sales and service

ISO 14001:2015

Has established an environmental management system in accordance with international standard.

Certificate No

: M 10517

Initial Certification Date

: 31 October 2016

Certification Date

: 06 August 2019

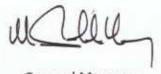
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General Manager







CERTIFICATE



Medical Devices Quality Management System
CERTIFICATE NO: 31304402

SÜMER ULUSLAR ARASI SAN. VE TİC. A.Ş.

Başkent Organize Sanayi Bölgesi Başkent Bulvarı No:81 Malıköy, Sincan / Ankara TÜRKİYE

EN ISO 13485:2016

Design, Production, Sales and Service of Central Sterilization Units and Steam Sterilizers (Autoclaves), Washing Steam Sterilizer, Tabletop Autoclave, Vertical Autoclave, Washer and Disinfector Devices, Operating Tables and Orthopedic Traction Set, Blood-Vaccine-Serum-Kit Storage Cabinets and Heating Cabinets, Oxygen Production and Storage System and Breast Pumps

Approves that the Medical Devices Quality Management System implemented for above scope.

First Issue Date 13.02.2013
Issue Date 04.01.2019
Expiry Date 03.01.2022
Revision Date/No 25.02.2021 / 5



The certificate inquiry is made by reading the QR codes by mobile devices, providing necessary information on http://public.szutest.com.tr or by using BDS No on https://tdbs.turkak.org.tr.

EC CERTIFICATE

AT SERTIFIKA

According to Annex II of the Directive 93/42/EEC on Medical Devices

93/42/AT Tıbbi Cihaz Yönetmeliği Ek II'ye göre

Full Quality Assurance System

Tam Kalite Güvencesi

Certificate Number: 2195-MED-1230801

Sertifika Numarası

Manufacturer:

Sümer Uluslararası Sanayi ve Ticaret A.Ş.

Üretici

Başkent Organize Sanayi Bölgesi Başkent Bulvarı No:81 Malıköy

Sincan/Ankara TÜRKİYE

Product(s):

Products are stated on the following page(s).

Ürün(ler)

Ürünler ilerleyen sayfa(lar)da belirtilmiştir.

Model(s):

Product specifications are stated on the following page(s).

Model(ler)

Ürün detayları ilerleyen sayfa(lar)da belirtilmiştir.

Reference Report No: MM0549-P007-R01, MM0549-P007-R02, MM0549-P007-R03, MM0549-P008-R01,

Referans Rapor No

MM0549-P008-R04, MM0549-P008-R05

Szutest, Notified Body 2195, declares that the aforementioned manufacturer has implemented a quality assurance system according to Annex II (excluding section 4), Section 3 of the directive 93/42/EEC on medical devices. This quality assurance system covers those aspects of manufacturing concerned with securing and maintaining safe conditions of the respective product(s) and conforms to the provisions of this Directive. The approved quality system is subject to surveillance pursuant to Annex II, Section 5 of Directive 93/42/EEC and unannounced audits.

Szutest must be informed of any significant changes in the design and/or construction of the product(s). For class I devices with sterile conditions the quality management system evaluation is restricted to the aspects of manufacture concerned with securing and maintaining sterile conditions. For class I devices with measuring function the quality management system evaluation is restricted to the aspects of manufacture concerned with the conformity of the devices with metrological requirements

2195 kimlik numaralı Onaylanmış Kuruluş Szutest, yukarıda belirtilen üreticinin 93/42/AT Tıbbi Cihaz Yönetmeliği EK II(madde 4 hariç) madde 3'üne göre bir kalite yönetim sistemi uyguladığını, bu yönetim sisteminin yönetmeliğin sadece bahsi geçen ürünün üretiminin güvenlik koşullarını sağlama ve devam ettirme ile ilgili gerekliliklerin karşıladığını beyan eder. Onaylanan bu kalite yönetim sistemi, 93/42/AT Tibbi Cihaz Yönetmeliği EK II, Madde 5'e göre periyodik olarak gözetime ve habersiz saha denetimlerine tabidir.

Üretici, ürünlerinin tasarımında ve yapısında gerçekleştirdiği önemli değişiklikleri Szutest'e bildirmek zorundadır. Steril kondisyondaki sınıf I ürünler için kalite yönetim sistemi değerlendirmesi üretimin steril kondisyonun sağlanması ve korunmasıyla limitlidir. Ölçüm fonksiyonlu sınıf I ürünler için Kalite yönetim sistemi değerlendirmesi üretimin cihazların metrolojik şartlara uyumunu sağlamasıyla

> This EC certificate is valid till 2024-05-26. Bu AT Sertifikası 2024-05-26 tarihine kadar geçerlidir.

Issue Date/Yayın Tarihi:

2012-11-03

Revision No./ Revizyon No.:

09 Rev./Rev.

Revision Date/ Revizyon Tarihi: 2021-05-17

Rukiye BALKAN Deputy General Manager Genel Müdür Yardımcısı

Certificate Number: 2195-MED-1230801

Sertifika Numarası

Product Specifications:

Ürün Detayları

	1	. Autoclav	es / Otokl	avlar					
Product Name Ürün Adı	Models Modeller								
Prismatic Autoclave Prizmatik Otoklav	Flywheel Door Prismatic Autoclave Series Volan Kapı Prizmatik Otoklav Serisi	SM-1VK	ELENA- 1VK	OT-1VK	ADELA- 1VK				
	Double Flywheel Door Prismatic Autoclave Series Çift Volan Kapı Prizmatik Otoklav Serisi	SM-1CVK	ELENA- 1CVK	OT-1CVK,	ADELA- 1CVK	100 L, 125 L, 150 L, 175 L, 200 L, 225 L, 250 L, 300 L, 325 L, 400 L, 425 L, 450 L,			
			ELENA- 2KK	OT-2KK	ADELA- 2KK	470 L, 490 L, 500 L, 538 L, 580 L, 600 L, 628 L, 670 L, 700 L, 718 L, 760 L, 800 L, 900 L, 1000 L, 1200 L			
	Double Sliding Door Prismatic Autoclave Series Çift Kayar Kapı Prizmatik Otoklav Serisi	SM-2CKK	ELENA- 2CKK	ОТ-2СКК	ADELA- 2CKK	ST OF ST			
Laboratory Type Vertical and Horizontal Autoclave Laboratuvar Tip Dik ve Yatay Otoklav	Laboratory Type Vertical Autoclave Laboratuvar Tip Dik Otoklav	SM-3D	OT-3V	ADELA - 3D	ELENA-3V	15% WOMEN 100.			
	Laboratory Type Horizontal Autoclave Laboratuvar Tip Yatay Otoklav	SM-3Y	OT-3Y	ADELA - 3Y	ELENA-3Y	60 L, 75 L, 90 L, 115 L			
Autoclave with Washing Function Yıkama Fonksiyonlu Otoklav	Flywheel Door Autoclave with Washing Function Series Volan Kapılı Yıkamalı Otoklav Serisi	SM-4VK	OT-4VK	ADELA - 4VK	ELENA- 4VK				
	Sliding Door Autoclave with Washing Function Series Kayar Kapılı Yıkamalı Otoklav Serisi	SM-4KK	OT-4KK	ADELA - 4KK	ELENA- 4KK	96 L, 125 L, 175 L, 250 L			

Certificate Number: 2195-MED-1230801

Sertifika Numarası

Product Specifications:

Ürün Detayları:

	2. Tabletop Autoclave / Ma	saustu Otoklav		
Product Name Ürün Adı		Models Modeller		
Tabletop Autoclave Masaüstü Otoklav		OT 18	OT 23	
	Single Door Tabletop Autoclave Tek Kapılı Masaüstü Otoklav	OT 32	OT 40	18 L, 23 L, 32 L, 40 L
		ADELA 18	ADELA 23	
		ADELA 32	ADELA 40	1

3. Wasi	her and Disinfector De	∕ice / Yıkan	na ve Deze	nfeksiyo	n Cihazı			
Product Name Ürün Adı	Models Modeller							
Washer and Disinfector Device Yıkama ve Dezenfeksiyon Cihazı	Single Door Washer and Disinfector Device Tek Kapılı Yıkama ve Dezenfeksiyon Cihazı	SM YKD-1	ELENA-1	WD-1	ADELA-1	200 L, 225 L, 230 L, 250 L, 360 L, 500 L		
	Under Bench Washer and Disinfector Device Tezgahaltı Yıkama ve Dezenfeksiyon Cihazı	SM YKD-1	ELENA-1	WD-1	ADELA-1	100 L, 135 L, 150 L, 175 L		
	Dental Washer and Disinfector Device Dental Yıkama ve Dezenfeksiyon Cihazı	SM YKD-1	ELENA-1	WD-1	ADELA-1	40 L, 60 L		
	Double Door Washer and Disinfector Device Çift Kapılı Yıkama ve Dezenfeksiyon Cihazı	SM YKD-2	ELENA-2	WD-2	ADELA-2	200 L, 225 L, 230 L, 250 L, 360 L, 500 L		

4. 🗅	Blood Bank	Reirigerati	or / Naii S	акіаппа Дога	add (S)
Product Name Ürün Adı				Models Modeller	Allega St.
Blood Bank Regrigerator Kan Saklama Dolabi	BB-BSR	SM-KSD	ADELA	ELENA	150 L, 250 L, 350 L, 450 L, 550 L, 650 L, 750 L, 850 L, 950 L, 1050 L, 1250 L

Certificate Number: 2195-MED-1230801

Sertifika Numarası

Product Specifications:

Ürün Detayları:

Product Name	Models				
Ürün Adı	Modeller				
Breast Pump ne Sütü Sağma Pompası	ADELA	BP1, BP2, BP3, BP4, BP5			

Product Name	Models				
Ürün Adı	Modeller				
Oxygen Production and Storage System Oksijen Üretim ve Depolama Sistemi	OXYFRESH	30 L, 50 L, 70 L, 100 L, 150 L, 200 L, 250 L, 300 L, 400 L, 500 L, 600 L, 750 L, 1000 L, 1250 L, 1500 L, 1800 L, 2400 L			





Manufacturer's Authorization

Date: 09/12/2021

TO WHOM IT MAY CONCERN

We SUMER INTERNATIONAL INDUSTRY AND TRADE INC., who are official manufacturers of oxygen PSA generators, nitrogen PSA generators, steam sterilisers, washer disinfectors, operating tables, warming cabinets, blood bank refrigerators and stainless steel equipments having factories at Baskent OSB, Başkent Bulvari No:81 Sincan Ankara/ Turkey, do hereby authorize:

Name: EYECON MEDICAL MD

Address: 1, D. Cantemir Square, of.1427 Chisinau, Rep. Moldova MD-2069

to **exclusively** submit a bid for the following projects below:

Reference: MTender ID ocds-b3wdp1-MD-1637681843608

To: IP Oficiul de Gestionare a Programelor de Asistență Externă

Name of project: "Achiziționarea stațiilor de producere a oxigenului medical conform necesităților IMSP, pentru anul 2022."

the purpose of which is to provide the following Goods, manufactured by us **oxygen PSA generators** and to subsequently negotiate and sign the Contract.

Signed:

ULUSLARARASI SADAY PETICARET ANOMINI SIRKETI Başkanı OSB Başkası Sahvan Ne:81 Maiktey Tel:503 00 21 Fay:394 (* 125 SincaniANKARA PolatiCVID. 785 001 85 95

Name: Gokhan ER

Litle: Authorised Signatory

Address: Başkent OSB Başkent Bulvarı No:81, Malıköy Sincan, Ankara / Türkiye Phone : +90 312 503 08 21

Fax : +90 312 394 61 95

Web : www.sumerinc.com

E-mail : sumer@sumeras.com



Statement of Compliance

Reference: MTender ID ocds-b3wdp1-MD-1637681843608

To: IP Oficiul de Gestionare a Programelor de Asistență Externă

Name of project: "Achiziționarea stațiilor de producere a oxigenului medical conform necesităților IMSP, pentru anul 2022."

We SUMER, who are official manufacturers of Oxygen Station & accessories, SUMER INTERNATIONAL INDUSTRY AND TRADE INC. Company having factories at Baskent OSB, Başkent Bulvari No:81 Sincan Ankara/ Turkey do hereby confirm that the Medical oxygen generators of the type OXYFRESH conforms the below listed specifications:

Method of obtaining oxygen	Pressure Swing	Pressure Swing
	Adsorbtion (PSA)	Adsorbtion (PSA)
Oxygen purity	≥ 93%	95±1%
Power supply	220 V / 50 Hz	220 V / 50 Hz
Compressed air inlet pressure	≥. 5 bar	7.5-8 barg
The installation must not affect the environment and the ozone layer	yes	Yes
Operating temperature, with values between	+5°C - +45°C	+5°C - +45°C
Central control panel	yes	Yes
Continuous monitoring of the compressed air inlet pressure in the oxygen generator	yes	Yes
Continuous monitoring of the oxygen outlet pressure in the oxygen generator	yes	Yes
Permanent monitoring of the purity of the oxygen produced by the generator - double display	yes, via a paramagnetic / zirconium sensor	Zirconium Sensor
Monitoring the air temperature at the generator inlet	yes	Yes
Continuous monitoring of the loading pressure of the separation tanks	yes	Yes
Remote monitoring via a computer, smartphone, or tablet and so on. Monitoring is performed via TCP / IP protocols	yes	Computer
Soft PC included for remote monitoring via TCP / IP interface.	yes, written on CD or flash	Yes, USB
Permanent monitoring of instantaneous oxygen flow in the network (liters / minute or m3 / hour)	yes	Yes



Address: Başkent OSB Başkent Bulvarı No:81, Malıköy Sincan, Ankara / Türkiye Phone : +90 312 503 08 21

Fax : +90 312 394 61 95

Web : www.sumerinc.com

E-mail : sumer@sumeras.com



Permanent monitoring of oxygen pressure in the hospital network	yes	Yes
Permanent monitoring of the operating time of the generator	yes	Yes
Acoustic and visual alarm when oxygen purity drops below 90%	yes	Yes
Acoustic and visual alarm when the compressed air inlet pressure decreases in the generator	yes	Yes
Acoustic alarm when the temperature inside the generator rises above the permissible limit	yes	Yes
Internal storage of data and operating parameters	yes	Yes
Internal storage of alarms with the date and time that occurred	yes	Yes
USB / SD port for collecting data and operating parameters and storing them in the PC	yes	Yes
Inlet and outlet pressure sensor	yes	Yes
CE conformity marking	yes	Yes
All oxygen generator piping shall be of copper or stainless steel	yes	Yes
Exhaust pipe for suppressing the sounds emitted by the generator	yes	Yes
Year of production of the oxygen production station is after 2020	yes	Yes

Signed: Boskont OSB Bask Sky Tel:503 06 21 Fay 394 (N

Name: Gokhan ER

Title: Authorised Signatory

Dated on 09.12.2021



Address : Başkent OSB Başkent Bulvarı No:81, Malıköy Sincan, Ankara / Türkiye

Phone : +90 312 503 08 21 : +90 312 394 61 95 Fax Web : www.sumerinc.com E-mail : sumer@sumeras.com



Reference: MTender ID ocds-b3wdp1-MD-1637681843608

To: IP Oficiul de Gestionare a Programelor de Asistență Externă

Name of project: "Achiziționarea stațiilor de producere a oxigenului medical conform necesităților IMSP, pentru anul 2022."

INFORMATION LETTER

We Sumer A.S., who are official manufacturers of Oxygen Station & accessories, having factories at Baskent OSB, Başkent Bulvari No:81 Sincan Ankara/ Turkey declare the below listed specifications:

- For the good operation of the oxygen generator 10 m³/h used for medical purposes it is necessary to install a compressor with a capacity of min 2.1 m³/min and working pressure min 8.5 bar.
- For the good operation of the oxygen generator 16 m³/h used for medical purposes it is necessary to install a compressor with a capacity of min 3,4 m³/min and working pressure min 8.5 bar.
- For the good operation of the oxygen generator 24 m³/h used for medical purposes it is necessary to install a compressor with a capacity of min 5,2 m³/min and working pressure min 8.5 bar.
- For the good operation of the oxygen generator 30 m³/h used for medical purposes it is necessary to install a compressor with a capacity of min 6,5 m³/min and working pressure min 8.5 bar.
- For the good operation of the oxygen generator 34 m³/h used for medical purposes it is necessary to install a compressor with a capacity of min 7,3 m³/min and working pressure min 8.5 bar.

At the same time we mention that it is necessary to respect the environmental conditions for a good operation of the Oxygen Generator which are ensured with the help of an air conditioner installed directly near the equipment, with a capacity of at least 12000 BTU (winter, summer). The surface required for the placement of the equipment is at least 2x3 m2.

Gokhan Er

Authorised Signatory





Address : Başkent OSB Başkent Bulvarı No:81, Malıköy Sincan, Ankara / Türkiye Phone Fax Web E-mail

: +90 312 503 08 21 : +90 312 394 61 95 : www.sumerinc.com : sumer@sumeras.com























About us

Sümer A.Ş. was established in 1981 in Ankara to provide services in the medical device sector. It has aimed advancement since the day of its establishment by also taking growth and compliance with the contemporary technologies and protecting the environmental conditions. Our manufacturing takes place in an area of 25.000 m2 in Ankara Organized Industrial Zone.

Our Firm is following the innovations in its sector and in abroad through its research and development unit and its application staff with a strong infrastructure of engineers, and is continuing to produce devices it had developed in computer environment based on such innovations with high technology and to contribute their development so as to be most beneficial for the Turkish medicine.

With this purpose, our Firm is strictly following the "Quality Management" principles and rules from design of the products to the after-sale servicing.

Our Firm has been currently certificated for compliance with ISO 9001 quality management system, ISO 13485 medical device quality management system certificate and ISO 14001 environment management system certificate and with product certificates under MDD 93/42/EEC Medical Devices Directive and PED 2014/68/EU Pressurized Equipment certificate. Furthermore, our steam sterilizers, and disinfection and washing devices have been certificated by the German accredited body.

Our Firm possesses the following certificates; CE Certificates under the following directives: ISO 9001, ISO 13485, ISO 14001 Quality Management System, MDD 93/42/EEC Medical Devices, PED 2014/68/EU Pressurized Equipment



Our Vision

To make the Sümer brand a global brand to make our Firm remembered first in the sector.

Our Mission

Our main task is to create designs with competition power in the global sense by taking the priorities of the sector into consideration and being respectful to the environment and people and giving the first priority to the wishes and expectations of customers, and also to produce innovative technological medical products by meeting all the national and international legal requirements.

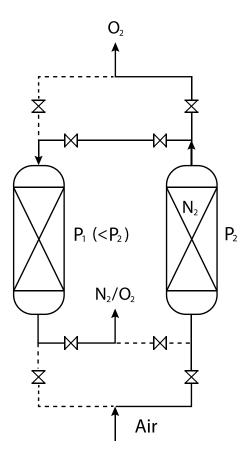
MEDICAL PSA OXYGEN GENERATOR WWW.SUMerinc.com

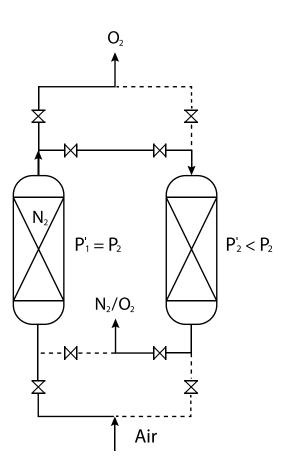
Pressure Swing Adsorption Technology

Pressure Swing Adsorption (PSA) technology is used with specially developed adsorbents called zeolites to separate oxygen from nitrogen to be able to use pure oxygen in many applications.

First, air is compressed up to 10 bars with the help of compressors, then air is dried out to remove the moisture in the air. Filtration takes place thereafter to filter out the remaining particles, aerosol and oil which is in the pressurized air stream. Carbon Tower ensures long term oil free oxygen delivery.

PSA unit consists two tanks filled with zeolites. Each column undergoes cyclic sequence of pressurization, generation, equalization and exhaust cycles for continuous flow of high purity oxygen.





PSA Advantages

- Reduction of oxygen cost
- Safe low-pressure oxygen usage instead of explosive high-pressure cryogenic cylinders
- Elimination of logistical and administrative operations
- Elimination of orders and deliveries
- Ready to use high technology solutions

Our products are designed for producing 93±3% purity medical oxygen gas from air. Our devices are used in:

- Hospitals,
- Policlinics,
- Rehabilitation centers.

Oxygen Generators should be used by technical staff who have successfully finished their training.



General Specification

Product 93±3 Medical Oxygen Gas

Zeolite Type High Efficiency Molecular Sieve 13X /

Made in USA

Control Modes SMART, 90%, 93%, 95%

Control System Electronic Card

Use Fully Automatic / Touch Screen
Screen Type Color TFT, Touchscreen LCD

Real Time Operation Animation Yes
Screen Dimensions 10.1"
Keypad Touchscreen
Communication MicroSD and Ethernet

Warning System Visual, Audible, SD Card and Ethernet

Data Recording At least 1 Year

Real Time Monitoring Touchscreen and Remote Desktop

Security 1 Operator, 1 Service

Service Maintenance Reminder Yes

English, French, Arabic, Turkish

(other languages are available upon request)

4 x Pressure, 1 x Temperature, 1 x Humidity, 1

Sensors x Oxyger

1 x Flowmeter, 1 x CO (optional), 1 x CO2

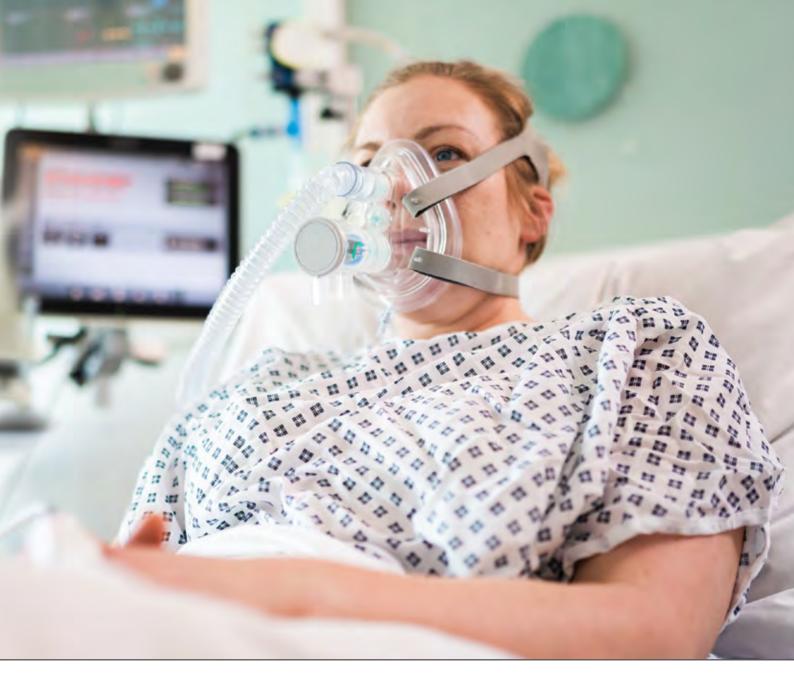
(optional

Filters 5 μm, 1 μm, 0.01 μm, Carbon Filter, Sterile Filter,

Dust Filter







Related Directives and Standards

MDD 93/42/EEC Medical Device Directive

Class 2b, acc. to EC MDD 93/42/EEC Medical Device Class

Low Voltage Directives EN 60601-1

Electromagnetic Compatibility Directives EN 60601-1-2

Quality Management System Requirements

ISO 9001

Medical Devices Regulatory

Requirements

ISO 13485

Environment Management

System

ISO 14001

110-220V ±10% - 50-60Hz **Electrical Connection**

220-440V ±10% - 50-60Hz

Working Conditions

5 °C- 40 °C Operating Temperature 10 bar(g) Max. Operating Pressure Test Pressure 15 bar(g)

Safety and Quality

Protection against current leaks

Short circuit protection

Password protection

Emergency stop button

Over pressure protection

Low oxygen tank pressure warning

Low oxygen purity warning

UPS support for electricity failures

European Pharmacopoeia Requirements for Medical Oxygen 93
93 + 3

02	93 ± 3
CO2	< 300 ppm
CO	< 5 ppm
NOx	< 2 ppm
SO2	< 1 ppm
Oil	< 0.1 mg/m3
Water	< 67 ppm

www.sumerinc.com • MEDICAL PSA OXYGEN GENERATOR

Key Features of Oxyfresh

- Medical Oxygen from 93% to 95% (93±3%)
- Fully Automatic 24/7
- Real time trends of process parameters
- Visual recommended service maintenance reminders
- Algorithm against electricity cuts-off (Purity does not drop after electricity cuts-off)
- Smart Algorithm (Generator automatically adjusts its purity regarding oxygen flow)
- Highest packing density of zeolites (specifically designed filling station)
- Uniform flow distribution design to maximize zeolite life
- Specifically designed Starting and Stopping points to protect purity from dropping
- Humid protection system (Humid air cannot enter the zeolite tanks)
- Medical Grade Oxygen Filtration
- High Efficiency Molecular Sieve+
- Real Time Monitoring
- Remotely Manageable via Ethernet
- Recording Capabilities and Data Logging
- Multi-level secured access for supervisory control
- Top quality SMC valves and flow meter
- Medical Device CE
- 10.1-inch-Wide Touch Panel
- User Friendly Interface
- Multi language



Possible System Configuration

- According to ISO 7396-1:2016 Medical Gas Pipeline Systems Standard, the oxygen supply system should have 3 sources of supply which are; Primary, Secondary and Reserve.
- Configuration 1. 1 PSA System + 2 External Source such as cylinders
- Configuration 2. 2 PSA System + 1 External Source such as cylinders
- Configuration 3. 2 PSA System + 1 High Pressure Emergency back-up system

Performance of Oxfresh Medical PSA Oxygen Generator

MODELO	9:	3%	Air C	Cons.	9!	95%		Cons.
MODELS	Nm3/h	NL/min	SCFH	Nm3/h	Nm3/h	NL/min	SCFH	Nm3/h
OXYFRESH-30	1.8	30	64	20	1.6	27	57	20
OXYFRESH-50	3.0	50	106	34	2.7	45	95	34
OXYFRESH-70	4.2	70	148	46	3.7	62	131	46
OXYFRESH-100	6.0	100	212	66	5.3	88	187	66
OXYFRESH-150	9.0	150	318	99	7.9	132	279	99
OXYFRESH-200	12	200	424	126	10.5	175	371	126
OXYFRESH-250	15	250	530	162	13.6	227	480	162
OXYFRESH-300	18	300	636	192	15.9	265	562	192
OXYFRESH-400	24	400	848	286	21.0	350	742	286
OXYFRESH-500	30	500	1060	350	26.0	433	918	350
OXYFRESH-600	36	600	1271	425	32.1	535	1134	425
OXYFRESH-750	45	750	1589	519	40.1	668	1416	519
OXYFRESH-1000	60	1000	2119	668	52.0	867	1836	668
OXYFRESH-1250	75	1250	2649	870	65	1083	2295	870
OXYFRESH-1500	90	1500	3178	954	77	1283	2719	954
OXYFRESH-1800	108	1800	3814	1260	96	1600	3390	1260
OXYFRESH-2400	144	2400	5085	1512	124	2067	4379	1512

Performance at 20°C and 1 bar atmospheric conditions.

Required inlet compressed air quality is 1:4:1 according to ISO 8573-1.

Purity and Capacity values may slightly change during the life time of the generator.

Purity and Capacity values may slightly change depending on the atmospheric conditions.



www.sumerinc.com — Medical Psa Oxygen Generator — Medical Psa

Certificates and Brand Registry Documents

We believe that the way to the summit passes through high-quality and reliable manufacturing.





















