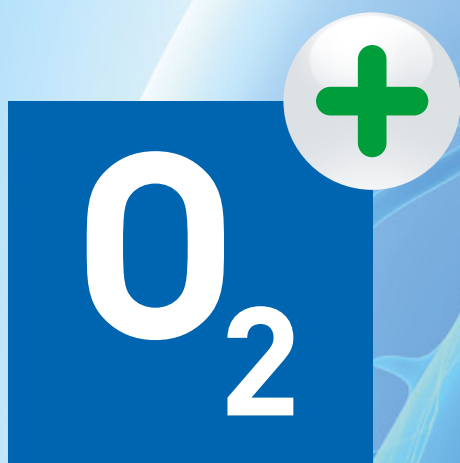
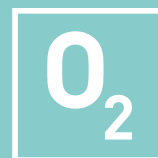




MEDICAL OXYGEN



SELF-GENERATED



**ACCORDING TO THE STANDARDS OF
THE EUROPEAN PHARMACOPOEIA
& DIRECTIVE 93/42/EEC**



CONSUMPTION OF A HOSPITAL

Approximate consumption (example)			Total
100 hospital beds	46 l/h	2,76 Nm ³ /h	15,96 Nm ³ /h POC Med
2 Intensive care beds	110 l/h	6,6 Nm ³ /h	
2 Operation rooms	110 l/h	6,6 Nm ³ /h	



+ Bottle filling per 24h max. filling pressure: 137 bar			Total
8 Bottles	4x 47,2 l	2,2 Nm ³ /h	18,1 Nm ³ /h POC Med



OXYGEN FILLING STATIONS

From 1 liter up to 50 liters:
Fill your oxygen bottles by yourself, directly onsite, whenever needed at any volume.



AMBULANCE & HELICOPTERS

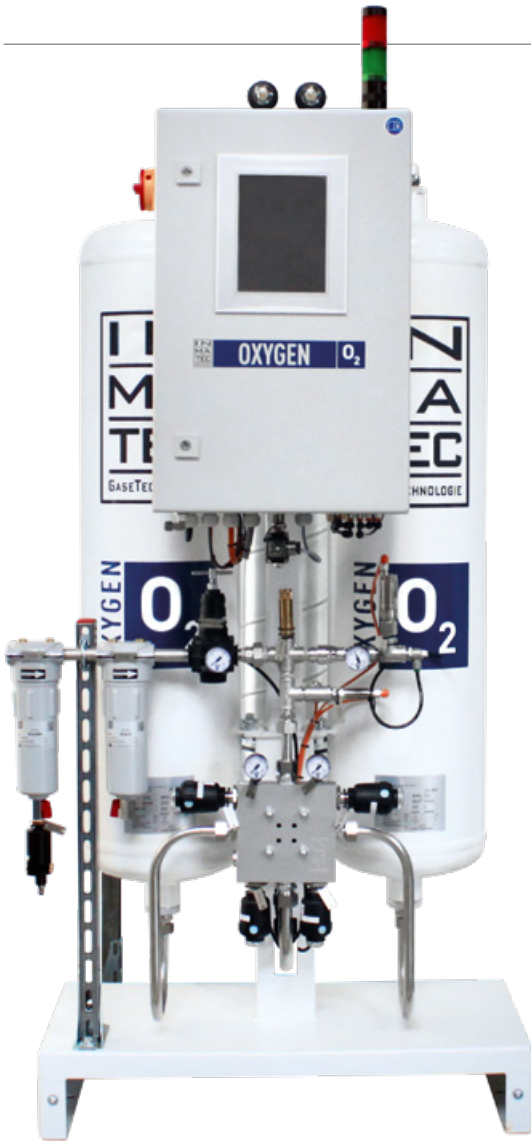
On-board oxygen generators supply mobile emergency vehicles and air fleets worldwide. Thus, the source for primary care is guaranteed at all times.



MOBILE OXYGEN GENERATORS

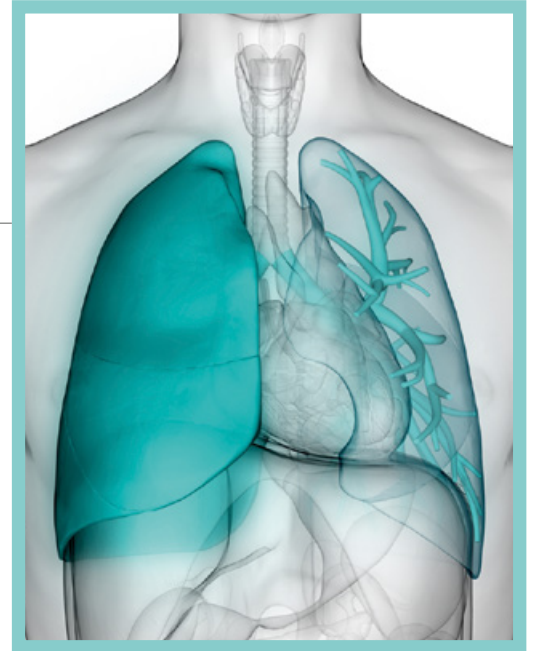
- In areas without infrastructure (deserts, mountains etc.)
- On ships
- For humanitarian work
- For military purposes

MEDICAL OXYGEN GENERATOR



IMT POC MED SERIES

The unique advantages of the INMATEC POC Med series: Energy-optimized oxygen production for medical facilities with guaranteed constant oxygen quality.

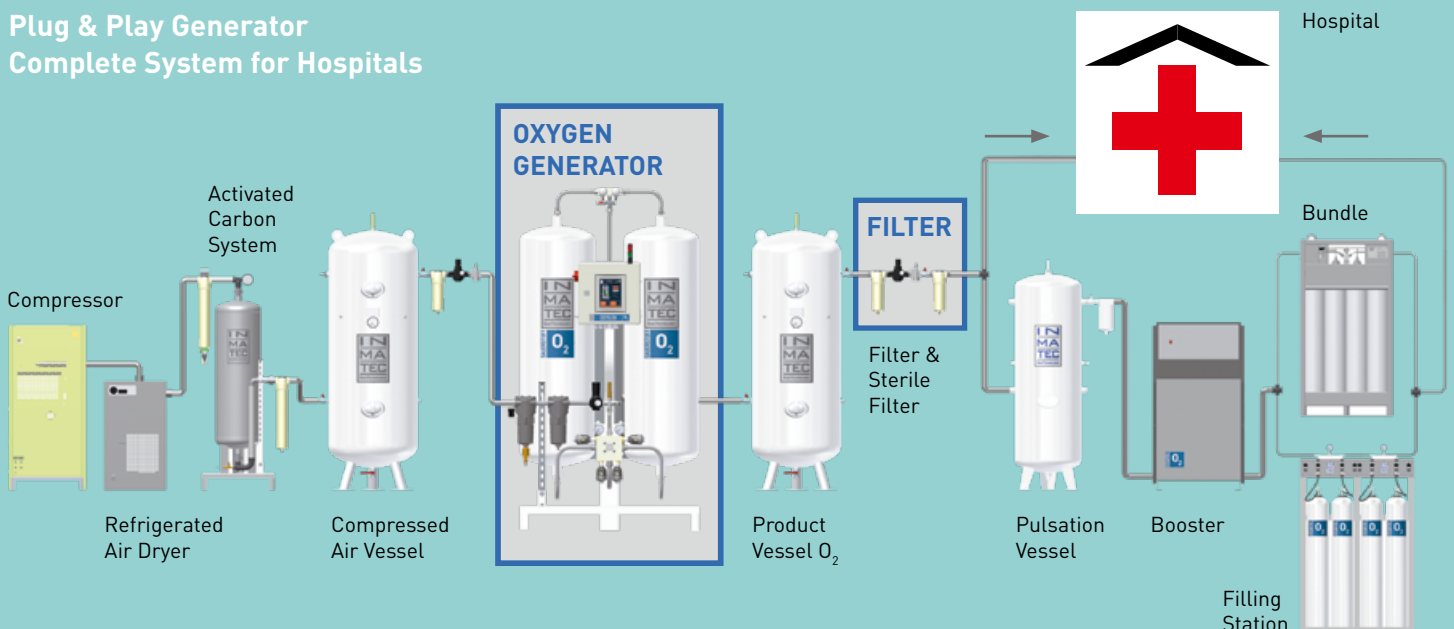


EUROPEAN PHARMACOPOEIA & DIRECTIVE 93/42/EEC

O₂ PURITY UP TO 95% ± 3%
VOLUMES FROM 0,5 - 2.000 NM³/H

INMATEC medical oxygen generators comply with the standards of the European Pharmacopoeia 93% ± 3% for medical applications with an oxygen purity of INMATEC = 95% ± 3% according to ISO 7396-1:2016 and ISO 13485:2016 according to Directive 93/42/EEC.

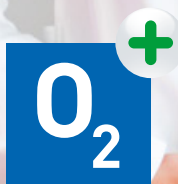
Plug & Play Generator Complete System for Hospitals



INMATEC WE PROTECT LIFE

ONSITE IS OUR WORLD

- Customized Solutions
- CO₂ / CO and O₂ Measurement
- Standard Systems in a Compact Design
- Automatic Operation
- Mobile Oxygen Supply
- Digital Monitoring
- The Ideal Solution for Lacking Infrastructure
- Reduced Operating Costs
- Optimal Availability
- Return on Investment in less than 36 Months



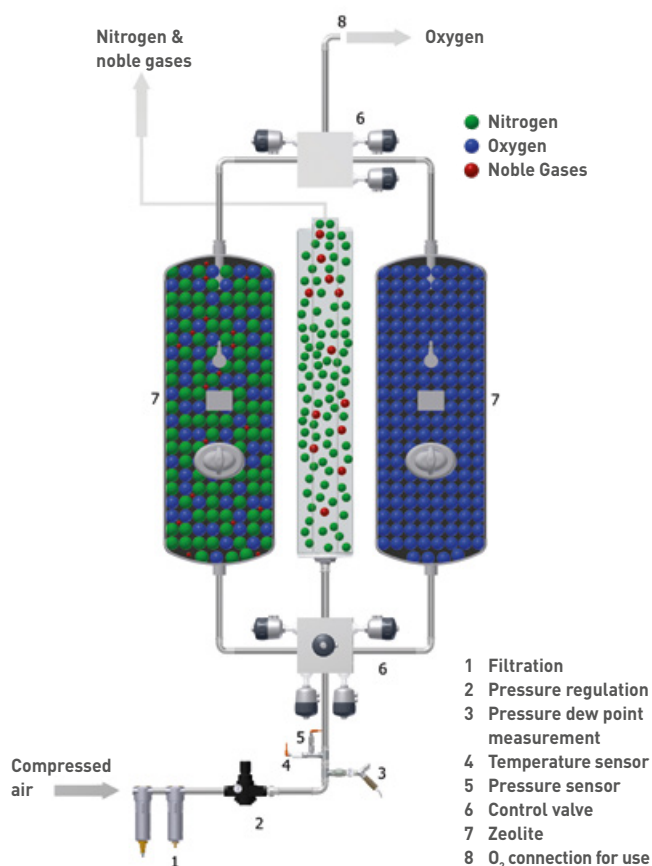
THE PSA TECHNOLOGY

The special INMATEC oxygen technology Pressure Swing Adsorption (PSA) offers a variety of solutions and processes in terms of oxygen production.

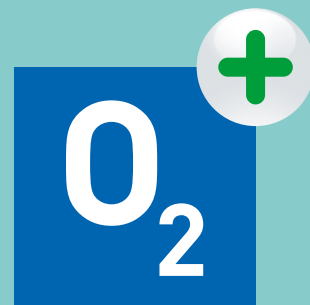
This reliable and cost-effective method of oxygen generation is used directly onsite, particularly in the medical care (hospitals) and pharmaceutical sectors, and for water treatment.

The Pressure Swing Adsorption (PSA) technology and specially developed adsorbents (zeolites) split the ambient air (oil-free compressed air) into its essential components: nitrogen and oxygen.

Thus, the system offers oxygen in quantities that range from 0.5 to 2.000 Nm³/h with a purity of 90 – 95% for your needed applications.



MEDICAL O₂ SUPPLY



SURGERY



INTENSIVE CARE



VETERINARY MEDICINE



MOBILE
EMERGENCY MEDICINE



BREATHING DEVICES



OVERPRESSURE / DECOM-
PRESSION CHAMBERS



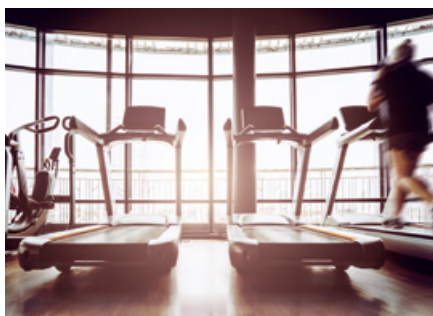
LONG TERM OXYGEN
THERAPY



CLUSTER HEADACHE
TREATMENT



HOSPITALS
CLINICS



ALTITUDE TRAINING



PHARMACEUTICAL
INDUSTRY



WELLNESS
BEAUTY

INMATEC GREEN TECHNOLOGY

COST SAVINGS
UP TO

60%

YOUR ADVANTAGES DUE TO ONSITE

- No gas transport! Thus, 100% CO₂ reduction, and no environmental pollution
- No waste of O₂ because of decompression of unused liquid O₂ in cryogenic tanks
- No lease agreements: e.g. for bottles, bundles, and tank systems
- Economical due to reduced operating costs
- O₂ at any time, in any quantity, and directly onsite
- Sophisticated and reliable technology
- No hazardous materials and no risk of explosion
- Exact purity for every application



MADE IN GERMANY

 MolDan Service



INMATEC FACTS



INMATEC
GaseTechnologie
GmbH & Co.KG

MolDan Service SRL
Official Distributer in Moldova
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For more than 26 years INMATEC guarantees reliable, low-maintenance and safe oxygen supply onsite at the touch of a button.

- Oxygen Onsite since 1993
- Over 7.500 Systems and Generators running Worldwide
- Easy Installation – Plug and Play
- Flexible Manufacturing and Innovative Solutions according to Customer-Specific Requirements

Our engineers and technicians will accompany your projects. From the order intake all the way to the system set-up and the training of your medical team.

INMATEC CERTIFICATES

- Use of Latest Techniques and Manufacturing Technologies according to Current Pharmaceutical and Medical Guidelines
- SQS Medical Certifications and Swiss Certification ISO 9001:2015



ISO 13485:2016
Directive 93/42/EEC



SCESm 001 CE 1250



DIN ISO 7396-1:2016



DIN ISO 14971:2009



ISO 9001:2015

OXYGEN GENERATOR

IMT POC Med




POC MED – MEDICAL O₂ SELF-SUPPLY

Our INMATEC POC Med oxygen technology produces medical oxygen with a purity up to 95% and in quantities of 0,5 – 352 Nm³/h.

PROCESS:

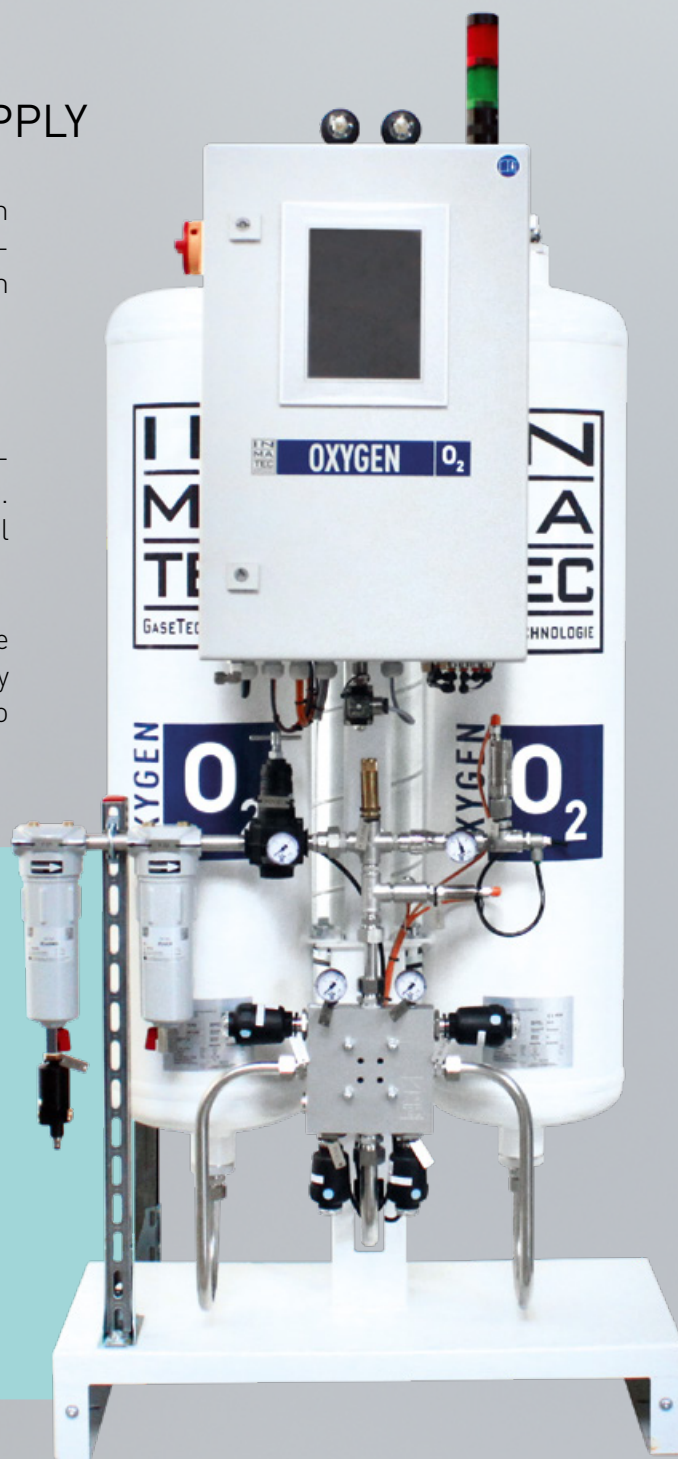
The INMATEC Pressure Swing Adsorption process separates the nitrogen molecules from the oxygen molecules. You can then use the pure oxygen in a wide range of medical applications, mobile or stationary.

Latest Flow Technique and Innovative Rotator Engineering are reducing the demand of compressed air and lower the energy costs significantly. The efficiency of the system is raised to an optimum!

ONSITE IS OUR WORLD

ADVANTAGES:

- Higher Efficiency, Low Maintenance
- Easy, Reliable and Documented Supply of Medical O₂
- Autopure Technology
- Constant Measurement of the Oxygen Purity and Outlet Pressure
- Easy Handling & Control: Touch-Control-Panel L
- Filtration as Standard / Sterile Filter
- Oxygen Analyser Sensor



Options:

- | | | |
|---------------------|-------------------------|-----------------------------|
| ■ Redundant | ■ Modbus | ■ Temperature Sensor |
| ■ Modular Extension | ■ Profinet | ■ Pressure Dew Point Sensor |
| ■ Basic Change Load | ■ CO / CO ₂ | ■ Inlet Pressure Sensor |
| ■ Flow Measurement | ■ Remote Monitoring Box | |





INMATEC
GaseTechnologie
GmbH & Co.KG

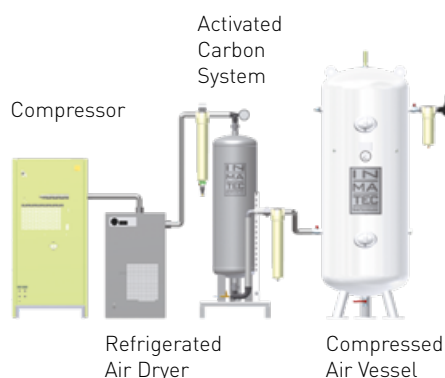
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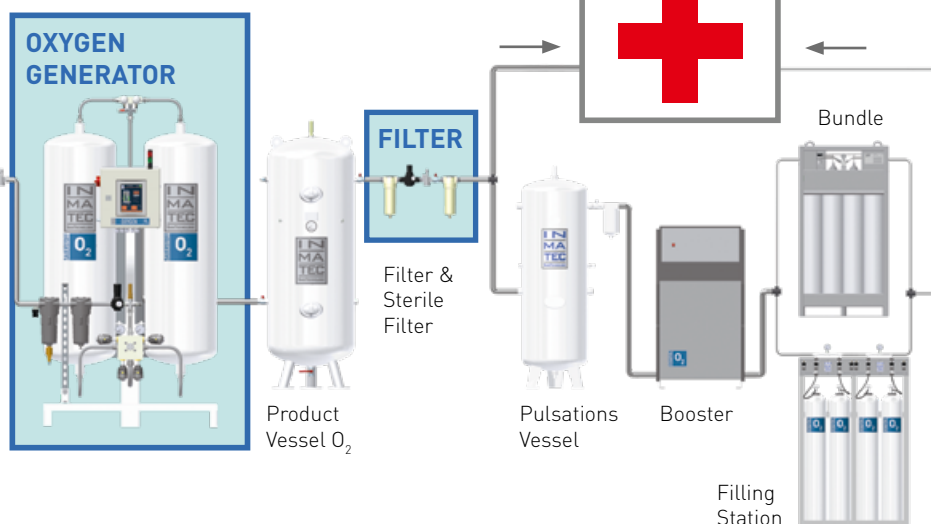
OXYGEN GENERATOR

IMT POC Med

COMPRESSED AIR AND FILTRATION



OXYGEN APPLICATION



Capacity (Nm³/h)

Oxygen Purity	93 %	95 %
IMT POC 8150 Med	0,6	0,5
IMT POC 8250 Med	1,1	1,0
IMT POC 8350 Med	2,3	2,0
IMT POC 8450 Med	3,5	3,3
IMT POC 8550 Med	5,0	4,3
IMT POC 8650 Med	8,1	7,1
IMT POC 8000 Med	8,4	7,5
IMT POC 8100 Med	11,0	10,0
IMT POC 8200 Med	13,2	12,0
IMT POC 8300 Med	16,8	15,5
IMT POC 8400 Med	26,6	24,2
IMT POC 8500 Med	37,3	33,9
IMT POC 8600 Med	54,5	49,5
IMT POC 8700 Med	72,0	65,5
IMT POC 8800 Med	95,0	87,0
IMT POC 8900 Med	125,0	107,0
IMT POC 8910 Med	139,8	127,1
IMT POC 8920 Med	175,0	160,0
IMT POC 8930 Med	220,0	200,0
IMT POC 8940 Med	264,0	240,0
IMT POC 8950 Med	352,0	320,0

Compressed Air Specifications

Temperature Range: +5° C to +50° C
Air Quality: ISO 8573.1
Class 1: Dirt and Oil, Class 4: Water
Pressure Dew Point: +3° C

Ambient Conditions

Temperature Range: +5° C to +40° C
Optional Temperature Range: -50° C to +60° C

Technical Data

Electric Supply: 230 V / 50 Hz (110 V / 60 Hz)
Power Consumption: 150 W
Protection Class: IP 54
Noise Level: From 55 to max. 78 dB(A)
Operating Pressure: Up to 11 bar (Standard: 7 bar)



DIN ISO 7396-1:2016



ISO 13485:2016
Directive 93/42/EEC



ISO 9001:2015

Certified quality management system in accordance with ISO 9001:2015.