

# DELTA P

## Medical Gas Equipment

All you need  
is in the air.



**30** years **DELTA P**  
1988-2018 Medical Gas Equipment

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OxGen is a trademark of **Delta P.**



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## Who we are

Delta P is a leading engineer, manufacturer and marketer of innovative, performing, modular and first-class quality oxygen generators, offering one-stop-shop customer experience for ultra safe, reliable and state-of-the-art oxygen generators and plants as well as related services and solutions for medical, veterinary and other applications.

Delta P holds state of the art knowledge of PSA technology and its development in the marketplace, with a declared mission to be the supplier of choice for providing innovative (performance and quality) and cost effective onsite oxygen generators solutions worldwide.

## Where we are

OxGen headquarters and main operations are based in Milan area (Italy), counting on a large network of distributors and agents, OxGen sells in over 60 countries.

## What we offer

Having had access to more than 30 years of business experience in the field of high pressure gases for medical, veterinary and other applications, Delta P can deliver the right solution for any demand of oxygen generators and plants.

Delta P customer-oriented accessibility is the platform upon which it is based its flexibility and ability to service its customers and partners worldwide.

Delta P offers **one-stop-shop customer experience** for ultra safe, reliable and state-of-the-art oxygen generators and plants as well as related services and solutions:

- ✓ Delta P engineer, manufacture and sells innovative, performing, modular and first-class quality oxygen generators, including plants and systems;
- ✓ Delta P integrates in its offer for medical applications a large array of services and support, including consulting, in accordance with Normative references, on system design [with inclusion of extension and modifications of existing oxygen pipeline systems] and systems components, safety, materials, general requirements, installation and maintenance as well after sales support, with inclusion of spare parts supply;
- ✓ Delta P provides seamless integration capabilities to connect its oxygen generators and plants to existing piped oxygen distribution systems, overseeing all topics related to technical, risk and operational management;
- ✓ Delta P sells high quality products and services holding all relevant approvals (**ISO 9001, ISO 13485, ISO 7396-1, Dir. MDD 93/42/EEC, Dir. PED 2014/68/EU**).

## Product range

## Oxygen generators

Delta P oxygen generators are CE marked in accordance with MDD (Medical Devices European Directive) and PED (Pressure Equipment European Directive), and complying as well with ISO 7396-1.

Delta P oxygen generators reach outlet pressure up to 8 bar (g). Delta P can provide tailored-made solutions matching exact customer requirements, including skid mounting and container, GSM modem, remote monitoring. Delta P engineers and installs oxygen generating systems with all proper capabilities, monitoring and alarm system to fulfill any at all local safety requirements. Delta P units are equipped with an end-to-end controller monitoring, which is user friendly, performs automatic calls alarms and switches to back up supply when malfunctioning occurs.



Delta P oxygen generating systems are **designed for 24 hour, 365 days operations**. They feature automatic restart and can integrate filling back up to provide safe delivery of gas to hospital pipeline systems.



Delta P oxygen generating systems guarantee **low operating costs**, with an average consumption of 1.2 kWh per cubic meter of **oxygen 93% produced**.



**Delta P units are available in 21 standard models** with capacity in the range from 1 to 75 Nm<sup>3</sup>/hour.

Other capacities are available on request.



The purity of gas produced is **in accordance with European Pharmacopoeia monograph for Oxygen 93%**.



Please refer to **our website [www.deltap.it](http://www.deltap.it)** for detailed and updated information about technology and products.

# Filling stations and solutions

Delta P can supply a wide range of cylinders filling stations fully equipped with high pressure boosters, cylinders, fittings connections, valves, racks and other accessories.

Delta P can supply on request skid mounting (plug & play) or container built solutions, buffer vessels, filters, advanced control, dew point, pressure, temperature, flow, purity and remote monitoring included.

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# Technical consultancy with Service and support

Delta P provide seamless integration capabilities to connect its oxygen generators and plants to existing piped oxygen distribution systems to maximize investment return while contemporarily minimize operating impact on operations.

Delta P technical department provides a qualified consulting service for designing and sizing of oxygen production unit in accordance with present configuration of existing pipeline systems for the distribution of oxygen and provide adequate support for the proper integration of generating oxygen unit and existing pipeline systems, with the inclusion of inspection and control during construction, testing in accordance with current regulatory environment. Delta P technical consultancy encompasses risk and operational management topics in accordance with relevant international standards.

Delta P technical consultancy in risk management covers the topics of risk management check list and risk management procedures, when extensions, modifications or upgrading of existing installations has occurred as a result of installation of an oxygen concentrator and/or oxygen plant upgrade.

Delta P technical consultancy in operational management covers the topics of statutory requirements, functional responsibilities, operational procedures, training and communications, management of sources of oxygen supply, preventive maintenance and repair and risk assessment, giving definitions and working practices throughout, when extensions, modifications or upgrading of existing installations has occurred as a result of installation of an oxygen concentrator and/or oxygen plant upgrade.

Delta P is committed to providing assistance in the choice and management of all elements and additional services for the generation of oxygen, including consulting, in accordance with Normative references, on system design [with inclusion of extension and modifications of existing oxygen pipeline systems] and systems components, safety, materials, general requirements, installation and maintenance as well after sales support, with inclusion of spare parts.

Delta P support and assistance encompasses systems general requirements topics, with inclusion of capacity and storage, continuity of supply, maintenance, location, monitoring and alarm systems, testing, commissioning and certification.

Delta P offer one-stop-shop customer experience to satisfy at 360° every specific need of its worldwide customer base, from the design and engineering phase, for specific tenders, aligning with the continuous updating of the specific standards in force, to the production and manufacturing phases, including post sales assistance and installation, while ensuring the most advanced safety requirements in each of these phases.