



“...taking customer constraints and requirements into consideration and designing the best solution for those needs”

NOVAIR

Tailor made technology



NOVAIR started its activities in the on-site gas production and compression in 1977 as a privately-owned company, with its head office and factory in France, located just near Paris Charles de Gaulle airport.

From there, the company supplies innovative gas solutions in more than 60 countries, all over the world, through a global network of distributors and affiliates. With such a diverse range of industries served and products provided, NOVAIR is organised into two different sectors, divided between its industrial and medical divisions.

The industrial division is involved in the engineering and supply of oil-free gas compressors package for industrial facilities, gas producers and engineering companies. Meanwhile NOVAIR's medical division focuses on the design and manufacture of innovative medical gas production for clinics and hospitals, such as PSA medical oxygen generators, medical vacuum systems and medical compressed air plants.

Industrial division

NOVAIR's production techniques meet all pertinent national and international standards and regulations, with standardised modules and special designs enabling the company to ensure safe, reliable and flexible system operation at high temperatures and system pressures.

NOVAIR's compressor solutions are designed and manufactured to customer specifications as a combination of compressor block with or without drive, control and monitoring modules and gas cooling, cleaning and storage elements. The selection and utilisation of special high-quality materials or surface coatings ensures that resistance to corrosion is extremely high.

The company's industrial division provides solutions that are utilised in a variety of sophisticated technical processes and functions, including gas filling and distribution, gas recovery and liquefying, in-process technology plants, gas re-injection equipment, oil-free compressed air generation systems for instrument and process air, and versions for safe and reliable operation in hazardous potentially-explosive atmospheres.

Medical division

NOVAIR medical enjoys a deep knowledge of

medical gas standards and regulations and is proud to exclusively dedicate its activity to hospitals and clinics. The medical division's goal is continuously focused on quality of our solutions, medical gas production quality, patients safety, and leading innovation.

NOVAIR PSA oxygen generators are distributed worldwide under the OXYPLUS Technologies trademark, which is a NOVAIR subsidiary. OXYPLUS oxygen generators have been specifically designed in compliance with the highest medical standards, to provide a safe and continuous oxygen production to both clinics and hospitals.

The systems were initially developed as an alternative to liquid oxygen and cylinders for remote areas and mobile hospitals. In the five years since, more and more modern city hospitals found an interest in such systems as they are able to supply medical oxygen at a very competitive price compared to liquid oxygen or cylinders, in compliance with the European pharmacopeia. Oxygen purity varies between 93% and 99.5% depending on the oxygen generator model, with NOVAIR air separation technology is based on the Pressure Swing Adsorption (PSA) process.

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NOVAIR has actually manufactured oxygen generators since 1995 and has improved their quality and efficiency year after year to achieve the most reliable and highest quality oxygen generators today available on the market.

In fact, NOVAIR is proud to be the only company in the world to master and manufacture double stage oxygen generators with an output oxygen purity of 99.5%, attested by independent laboratories. OXYPLUS oxygen generators also guarantee that the produced oxygen is free of any trace of pollutant in compliance with the European Pharmacopeia and with the USP American monograph.

The NOVAIR motto stands for 'a tailored made technology' which is certainly representative of what NOVAIR does everyday through its industrial and medical divisions: taking customer constraints and requirements into consideration and designing the best solution for those needs. 

