



# NOXERIOR

## Unique modular medical oxygen concentrators

**N**OXERIOR, formerly known as IGS Italia, focuses on all aspects of the non-cryogenic onsite generation of nitrogen and oxygen by means of either PSA or hollow-fibre membrane technology. Innovative design and superior quality, combined with creative individual solutions to maximise the economical benefits for the end-user, make gas generators from NOXERIOR the preferred solution for many companies.

The unique and patented technology applied for its NITROSWING® and OXYSWING® modular PSA generators has set market standards in terms of flexibility, efficiency and reliability. Beside its standard generators, NOXERIOR also supplies special designed and engineered instrument air, nitrogen and oxygen generation packages according to the specifications of the customer. Systems manufactured by NOXERIOR are operated successfully by customers in various industries all over the world.

“Since 2003 we have dedicated a significant part of our resources to the market position of our OXYSWING® PSA medical oxygen concentrators,” explains Oscar de Groen, President of NOXERIOR. “Anticipating the adoption of the Oxygen

93% Monograph in the European Pharmacopoeia and the revision of the ISO 7396-1 standard regarding pipeline systems for compressed medical gases and vacuum, we developed and introduced the only truly modular PSA medical oxygen concentrators currently available on the market.”

Laura Ammiraglia, Manager of Marketing and Sales of NOXERIOR, adds, “Our unique OXYSWING® modular PSA medical oxygen concentrators can easily be adapted to variable oxygen supply conditions at any time, by simply altering the number of PSA modules of the unit or by installing up to three so-called dual-banks in parallel. This is an easy modification at the installation site which doesn’t require any skilled personnel.”

“This unique modular design allowed us to introduce an unprecedented level of standardisation among the various models of the OXYSWING® product range, so that the use of aluminium for the PSA modules and stainless steel

**“...the system can easily be adapted to variable medical oxygen supply conditions...”**

for process piping and other process components, like valves and regulators, are part of our standard product offering instead of commonly applied painted or galvanized carbon steel.”

“For the same reason we selected high quality products from premium brands for all other components to enhance product liability whilst keeping pricing for the systems at a very competitive level. And last but not least, the unique modular design of our OXYSWING® modular PSA medical oxygen concentrators intrinsically resulted in very limited system dimensions, unthinkable for conventional twin-tower PSA medical oxygen concentrators. For example, all our systems fit through standard door openings and can be handled easily by manual pallet trucks – installation even in


the smallest angle of the hospital or inside ISO freight containers will be possible.”

Although each OXYSWING® modular PSA medical oxygen concentrator has an onboard oxygen analyser as standard equipment, NOXERIOR also developed its MedOX gas analysing system for an additional external monitoring of the oxygen, carbon monoxide and carbon dioxide concentration, as well as the dew point of the produced oxygen.

The company strongly recommends the installation of its systems according to ISO 10083:2006 and developed a PLC-based Central Supervision System with touchscreen HMI, including essential functions like data-logging, automatic switchover between operating and standby oxygen concentrator, and integrated remote control with data transmission to the hospital’s central monitoring and control system in order to guarantee a 100% safe and reliable supply system for medical oxygen.

“As we are dealing with human lives, we put much attention to safety of the design of our OXYSWING® modular PSA medical oxygen concentrators and the produced oxygen,” explains de Groen. “The result is that our OXYSWING® modular PSA medical oxygen concentrators have been approved by the Ministries of Health in many countries all over the world.”

Due to their unique features the OXYSWING® modular PSA medical oxygen concentrators are extremely suitable for rental business, as installed systems can be easily adapted and exchanged and due to the application of identical spare parts for all model sizes.

Readers can visit the company’s booth (11/J45) at the Medica 2015 trade show in Düsseldorf, Germany this November. 

### GET IN TOUCH

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