

PRESS RELEASE HLI50

ON-SITE N₂/O₂ GENERATION SAVES THOUSANDS IN COMPARISON WITH TYPICAL OUTSOURCING COSTS

Offering the ideal solution for any plant looking to eliminate the financial burden of buying-in nitrogen and/or oxygen, the latest N₂ and O₂ high purity, low energy nitrogen and oxygen generators from Hi-line Industries feature a host of advanced functions, including O₂ analysers and energy control as standard. The generators are the perfect answer to companies spending thousands of pounds annually purchasing bottled or bulk tanks of the planet's most abundant gasses. In contrast, the potential savings available by producing nitrogen and oxygen on-site, on-demand, are little short of staggering, even more so when including the extra costs associated with delivery, storage, the hire of bottles or receivers, safety procedure creation, and insurance.

The proven technology employed at Hi-line for N₂/O₂ generation is based on simple PSA (Pressure Swing Adsorption) procedures. Here, twin-tower CMS (carbon molecular sieve) beds adsorb and regenerate to remove either N₂ or O₂ depending on requirements. Importantly, this allows users to generate nitrogen at the purity required for the application, such as 95% or 98% for example. This is far more cost-effective than buying-in expensive UHP (Ultra High Purity) nitrogen at 99.99999%, which is normally sold as standard without any option for the customer.

Among the many areas where the uptake of Hi-line's N₂/O₂ generators has been particularly high is MAP (Modified Atmosphere Packaging), a technique used for prolonging the shelf life of fresh or minimally-processed foods such as meat, fish, cheese, fruits and vegetables. The mixture of gases in the package depends on the type of product, packaging materials and storage temperature.

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General Information

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Economical O₂ generator from Hi-line Industries Ltd, incorporating their PSA (Pressure Swing Adsorption) operating principle.

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Nitrogen generator, available from Hi-line Industries Ltd, for economic N₂ generation.

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