Compact Cryogenic Air Separation Plants
Linde CryoPlants Ltd.
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All nitrogen and oxygen plants from Linde CryoPlants provide the following competitive advantages.

Reliability. Proven cryogenic technology combined with a robust plc control system make our plants a source of reliable gas and liquid supply.

On-site supply. Plants make a constant and reliable supply of nitrogen or oxygen possible with either little or no dependence on road delivered products.

Suitability for all climatic conditions. Our plants can operate in extreme environments. They already operate in the freezing winters of North America, Russia and the South Pole, the high temperatures of the sub-Sahara desert and at high altitudes.

Inspection and testing. All plants are subject to full inspection and testing prior to dispatch, including a Factory Acceptance Test (FAT) for plants up to a certain frame size. Inspection and testing is controlled by our Quality Management System ISO 2001.

Installation. Plants are factory-assembled onto modular skids or into containers for simple, cost effective and quick installation at site.

Individual customer requirements. We can provide plants from our standard ranges or we can engineer to specific customer technical requirements and standards.

Service. We provide full supervision of installation, commissioning, start-up, operator training and after-care services on a world-wide basis.

International standards. We can manufacture to various international standards including ASME, PED, GOST R, DOSH, China - ISQL and KGS.

Environmentally friendly. Our on-site plants are highly energy efficient resulting in a low cost of ownership.

Column design. Our plants use structured packing instead of sieve trays for increased efficiency and lower pressure drop across the plant making them more energy efficient.
MINIGAN is a standard cryogenic plant for production of high purity nitrogen gas and is suitable for outdoor installation. This plant range is based on liquid inject technology with production rates of up to 2600 Nm³/hr, with purity levels up to 99.9995% as standard. The MINIGAN comprises modules of the warm end and the cold box.

The GAN range of nitrogen plants are modular systems offering, reliable and easy operation. Production rates of up to 3,900 Nm³/hr of nitrogen gas and up to 325 Nm³/hr of liquid nitrogen. Using a cryogenic air separation process, purity levels up to 99.9995% are standard. The GAN plant range is equipped with turbines that provide the refrigeration energy for the cryogenic distillation process. Liquid nitrogen can be stored and subsequently vaporised to provide strategic reserves for gas.

LINIT is a standard plant for the on-site production and supply of liquid nitrogen. Plants operate unattended to supply liquid nitrogen into a tank. The turbine liquefaction technology is gas lubricated and consequently maintenance free. The standard range includes plants with capacities of 20 to 130 litres per hour. The cryogenic rectification process allows purities of 99.995% to be achieved. Nitrogen gas for cylinders filling can be produced from stored liquid.

LOX is a standard plant for the on-site supply of liquid oxygen for industrial and medical applications. The cryogenic distillation process achieves an oxygen purity level of higher than 99.8%. LOX plants produce up to 2.5 tonnes per day of low pressure liquid oxygen for storage in a tank. Oxygen gas for cylinders filling can be produced from stored liquid.
Linde CryoPlants Ltd., a subsidiary of The Linde Group based in UK, specialises in the manufacture of compact air separation plants. Such plants are designed to meet the needs of our customers in a variety of different industries.

The core product of the portfolio centres on a range of nitrogen generation plants. Linde CryoPlants standard designs are containerised which help reduce installation time and cost at site.

Thermal losses in the production process are overcome by the use of an in house designed and manufactured expansion air brake turbine or liquid injection, depending on the plant type selected. Such plants are economical and enjoy an excellent reputation for reliability and quality. Linde CryoPlants also manufacture a range of dedicated liquid oxygen producing plants that are designed with the needs of a hospital installation or alternatively those of a dedicated cylinder filling station in mind. Once again these plants are containerised and use the same in house design of expansion brake turbine. In addition, Linde CryoPlants Ltd. manufactures a range of dedicated liquid oxygen plants that are designed with the needs of both research and industrial users in mind, these plants also use the same in house design of expansion brake turbine.

Linde CryoPlants have enjoyed considerable success in the sales of their product range worldwide and welcome discussion on your application to see how we can become your preferred partner of choice for your air separation needs.

ENQUIRIES:
Should you wish to enquire about Linde plants, please visit our website or contact us at the following address:

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