



Seabrook Crisps

Case Study

Nitrogen Generator Installation

The famed UK crisp manufacturer, Seabrooks, was founded in 1945 by Bradford fish and chip shop proprietor, Charles Brook. Most of the companies potatoes used are grown in Yorkshire, and the company's headquarters remain in Bradford at Seabrook House.

COMPANY
PROFILE

The Challenge

Famous Bradford-based snack foods company Seabrook Crisps takes a huge amount of care and pride in the quality of the crisps it produces and recently called on Thorite to help ensure its stringent quality standards are maintained.

As is common practice in the food industry today, keeping crisps fresh and crunchy once they've been packed is achieved by the inclusion of Nitrogen gas in each bag, which prevents oxidation and thus any potential spoilage of the crisps.

Thorite was called in to advise Seabrooks as the company had developed a need for bag flushing and filling with Nitrogen in line with current practice.

Thorite Action

We estimated the levels of Nitrogen required and suggested a solution which was to install two Parker Maxigas 112 Nitrogen generators, each fitted with a Domnick Hunter Pre-Treatment Desiccant dryer and filtration unit.



MAXIGAS Nitrogen Gas Generators produce nitrogen gas from compressed air and offer a cost-effective, reliable and safe alternative to traditional nitrogen gas supplies such as cylinder or liquid.

MAXIGAS provides an on-demand, continuous source of nitrogen gas which can be used in a wide range of industries such as food, beverage, pharmaceutical, laboratory, chemical, heat treatment, electronics, transportation, oil and gas and laser cutting. Two 875 litre vertical receivers for Nitrogen storage completed the installation.

Happily the generators were installed and working well within the stated timeframe, enabling Seabrook Crisps to continue combining only the best ingredients with the latest manufacturing technology to make their crisps firm favourites with countless consumers throughout the UK.

Tommy Brown, Seabrook Crisps' site engineering manager is very impressed with the Thorite solution and said: "The Parker Maxigas Nitrogen Generators are streets ahead of their rivals in terms of cost and efficiency, culminating in a first class installation and back up services that are second to none!"

An overview of MAXIGAS Nitrogen Generators can be found over the page.....



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MAXIGAS

Nitrogen Gas Generators

The cost effective, reliable and safe solution to large industrial nitrogen requirements

MAXIGAS nitrogen gas generators from Parker produce nitrogen gas from compressed air and offer a cost-effective, reliable and safe alternative to traditional nitrogen gas supplies such as cylinder or liquid. Nitrogen is used as a clean, dry, inert gas primarily for removing oxygen from products and/or processes. MAXIGAS provides an on-demand, continuous source of nitrogen gas which can be used in a wide range of industries such as food, beverage, pharmaceutical, laboratory, chemical, heat treatment, electronics, transportation, oil and gas and laser cutting.



Features:

- Can operate from a standard factory compressed air supply
- Delivers 5% down to 10ppm oxygen content, without the need for any additional purification
- Available in 7 models offering varying flow rates and purities
- Automatic economy mode
- Built-in oxygen analyser for continuous purity monitoring
- Digital and analogue outputs for remote monitoring
- Alarm capabilities
- User friendly control interface
- Compact design
- Modular concept

Benefits:

Up to 90% cost savings*

Typical capital pay-back is achievable within 12-24 months.

• Energy savings

Low air consumption provides greater energy efficiency.

• Convenient and safe

The easy to use system is simple to install, requires minimal maintenance and eliminates safety hazards associated with traditional gas supplies.

• Space saving design

The compact design means the system demands less floor space.

• Flexible multi-bank option

The modular concept means the generators can be multi-banked if required.

• Reduce carbon footprint

The elimination of cylinder deliveries and transportation means carbon footprint can be reduced.

* Typical cost savings achieved in comparison to cylinder or liquid supply

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