

CASE STUDY

Tea Specialist Selects Nitrogen Generator

The Challenge

When Ringtons, the family owned specialists of high quality teas and coffees, decided to cost effectively satisfy their nitrogen gas requirements for their modified atmosphere packaging (MAP) they turned to the Newton Aycliffe branch of Airchannel for expert advice on the best nitrogen generator to buy.

Airchannel's solution

A Maxigas nitrogen generator, manufactured by Domnick Hunter was soon selected.

MAP is a process in which nitrogen, is flushed into packaged foods to prevent oxidation and aerobic spoilage by typically reducing oxygen levels to below 1%. It helps to maintain flavour

Results

"The Maxigas range of nitrogen generators produce nitrogen from compressed air, effectively enabling Ringtons to make their own nitrogen at a fraction of the cost of traditional methods of supply," says Alastair Shanks, Managing Director of Airchannel.

Installed at the Ringtons site in Longbenton, Newcastle Upon Tyne, Maxigas is the cost effective alternative to gas cylinders and liquid dewars with fewer on-going costs such as refills, delivery costs and order processing. Ringtons is already benefiting from reduced down-time associated with changing cylinders through an on-demand high purity food grade supply. It is also safer than high-pressure containers as man-handling is eliminated.

Conclusion

Concluding, Alastair says "Maxigas truly is the cost effective alternative to other nitrogen gas sources due to an exceptionally low lifecycle ownership cost and quick payback. In addition, Maxigas offers exceptional food grade nitrogen at a controlled flow, pressure and purity."

and crispness without using artificial preservatives.

Ringtons range of high quality teas, coffee and biscuits, have a special MAP packaging process, which delivers unrivalled taste and freshness. The process enhances product integrity and extends shelf-life, making new geographic markets logistically and commercially viable.

For many years, Ringtons had operated a conventional PSA system to meet their nitrogen requirements.

However, with hire charges of around £11k per annum plus additional gas costs, the company identified the opportunity to save costs and selected a Maxigas nitrogen generator.



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