

Biological pest control using nitrogen

Crop protection through low oxygen method

The Low Oxygen (LOX) method from Presscon is a complete biological way of pest control. It provides a solution for issues such as the infestation of seed and food products, as well as animal feed, by micro organisms. The technique of displacing oxygen with nitrogen is Presscon's core business. Our solutions contribute to the preservation of a healthy environment, as they allow customers to avoid the use of chemical pesticides.

Prevents significant damage

An aerobic bacterium requires oxygen for its metabolism and causes significant damage. By displacing oxygen in a sealed space where bulk goods are stored, many micro organisms and pests suffocate. Our nitrogen generator (BPC-Gen) produces high-purity nitrogen, lowering the oxygen level in an enclosed space to a minimal level. Tests have shown that micro organisms such as mealybugs, pot worms, thrips, mites, true bugs, and wireworms suffocate under these conditions.

We successfully treat these micro organisms without harming beneficial organisms or useful insects that are employed as biological control agents and natural enemies in biological pest control.

On-site treatment

Our BPC-Gen produces high-purity nitrogen on-site, ensuring that treatment is not location-dependent. As a result, cross-contamination through the movement of batches is no longer an issue.

Benefits of Low Oxygen Treatment

- Completely organic.
- Leaves no residue on the product.
- On-site nitrogen production, thus not location-dependent.
- Treatment in bulk is possible.



Customization

- We assemble all generators in our own factory, allowing us to fully tailor them to the customer's specific requirements.

24/7 Emergency Service

- We are available 24/7 and strive to be on-site as quickly as possible.

Discover Presscon Products for pest Control

BPC-Gen: The Nitrogen Generator by Presscon

Thanks to its flexible design, our BPC-Gen can be installed in various ways, horizontally or vertically, on frames or against walls. Here are some additional benefits:



BPC-Gen



BPC-Gen

Purity

The BPC-Gen can deliver high-quality nitrogen with purity levels ranging from 95% to 99.9999% (down to <1 PPM).

High redundancy

Each generator consists of multiple units that can be individually controlled and isolated, which is convenient for maintenance and helps prevent disruptions to the entire production process.

Special patented compression system

The unique filtration and compression system extends the lifespan of the generator and guarantees food-grade nitrogen output.

Low energy consumption

Good air distribution within the generator results in lower energy consumption.

Stable Air Consumption

By starting the nitrogen generators in phases, the compressed air flow remains stable, preventing peaks and troughs in energy consumption.

Step Control

Each generator can be controlled individually, allowing for a modulating step-wise regulation of nitrogen production.

Presscon specializes in designing and maintaining nitrogen generators, fire prevention systems, and innovative solutions for, among other things, the control of micro organisms. All our products are developed and manufactured in our own factory in Honselersdijk, where innovation and quality are of utmost importance.

Service & Maintenance

Due to the simple design of our generators, components can be easily replaced.

Extensive experience

We have over 25 years of experience and provide quality products to customers around the world.

Presscon

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