



## Oxexo EcoPrevent PG – efficient PSA systems

### The next generation in fire prevention

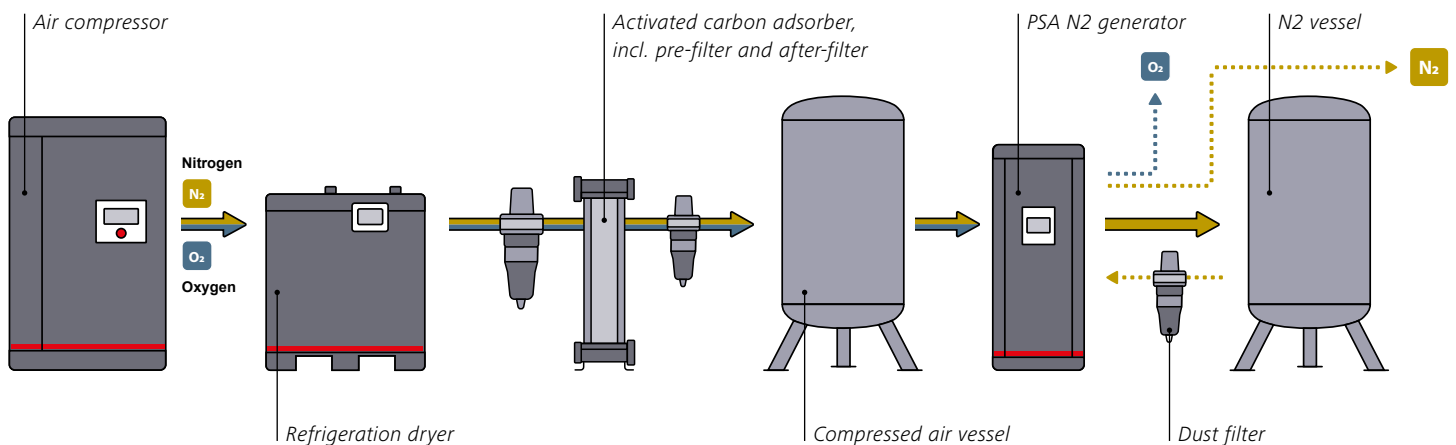
The new Minimax Oxexo EcoPrevent PG fire prevention system is based on cutting-edge PSA (pressure swing adsorption) technology for nitrogen generation (N<sub>2</sub>) and consumes less compressed air and energy than previously used PSA and membrane systems.

Thanks to particularly efficient components, the system always uses low pressure levels of 6 to 9 bar(g). It features a separate compressed air source or can be supplied via the customer's existing compressed air network.

# Preventive fire protection through efficient nitrogen generation

The air factor (efficiency of the N<sub>2</sub> generator in terms of the required amount of compressed air) and the low power consumption of the air compressors have been fully optimized, meaning that our new PSA systems guarantee maximum efficiency with

relatively low investment costs. Furthermore, the entire compressed air treatment system, consisting of refrigeration dryers, multiple filter stages, and activated carbon adsorbers, has been redesigned for even more reliable processes and greater flow optimization.



## Oxeo EcoPrevent offers you the following advantages:

- **An inexpensive and subsidizable investment**  
Reduced investment costs contribute to low total life cycle costs
- **Lowest operating costs on the market**  
Easy maintenance and reduced energy costs are comparable with VPSA technology
- **Plannable service costs**  
Optional 5-year warranty offers security
- **Safe nitrogen generation**  
Continuous monitoring of all operating limits
- **Data monitoring and visualization**  
User-friendly interface and online remote diagnostics for 24/7 status monitoring
- **Long service life of components**  
Low process pressures and enhanced materials ensure minimal wear
- **Energy savings thanks to optional heat recovery**  
Integration of waste heat from the compressor supports the building's heating system
- **CO<sub>2</sub> savings thanks to energy-optimized motors**  
State-of-the-art frequency-controlled motors even exceed the IE5 standard and guarantee optimal efficiency