

Higher  
flexibility,  
lower cost

Certified food  
grade nitrogen

Energy  
Savings

N<sub>2</sub>



#### OUR COMPANY IN FEW WORDS

For more than 25 years now, the French company ABSOGGER has provided more than 1000 nitrogen generators worldwide for various applications adapting itself to the users specific needs.

Located in the heart of the French fruit production, ABSOGGER started its business activity with the manufacturing and marketing of its nitrogen generators for the fruit conservation in Controlled Atmosphere. Later, the increasing demand of the wine producing sector for nitrogen pushed ABSOGGER to adapt its machines in order to best fulfill the customers' expectations. Since then, its know-how in the wine producing area has been proved by some of the most prestigious names of the French wine market.

#### REFERENCES IN THE WINE INDUSTRY

**Château Cheval Blanc** (France)

**Moët & Chandon** (France)

**Les Grands Chais de France** (France)

**Castel Frères** (France)

**Constellation Auckland** (New-Zealand)

And more than 150 other wineries in France and in the world...



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**œnoméca**

*Realised with the cooperation  
of Oenomeca*

Made in France

ISO 9001  
BUREAU VERITAS  
Certification



**Don't buy Nitrogen, be your own Provider !**



**Our technology meets your needs**

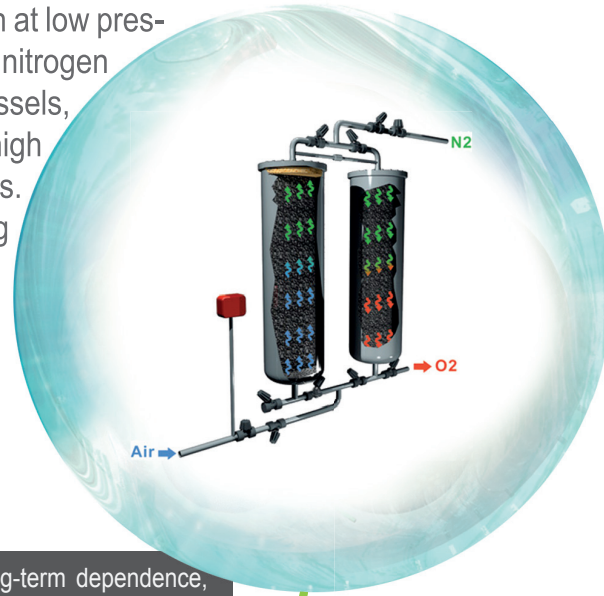
**[www.absogger.com](http://www.absogger.com)**



# ABSOGER nitrogen generators

**Be free and self-sufficient :** become your own nitrogen provider and meet your needs using your own nitrogen from pressing to bottling. During the vinification process, the nitrogen plays a crucial role: it allows to control the oxygen and CO2 levels dissolved in the wine in order to counter undesirable effects. This is one of the required conditions to reach a high quality wine. That is why ABSOGER offers a range of nitrogen generators: you are able to produce your own nitrogen to reach the best flexibility while saving money.

**ABSOGER PSA** nitrogen generators consist out of two vessels containing CMS (Carbon Molecular Sieve). The CMS is a special type of activated carbon with pores and it has, at high pressures, a greater affinity for oxygen, carbon dioxide and water vapor than at low pressures. Then, by raising and lowering the pressure within the vessels, nitrogen can be separated from the rest of the gases. Before entering the vessels, conventional compressed air must be dried and purified with a high efficiency pre-treatment package provided with our nitrogen generators. While one vessel is producing nitrogen the other one is regenerating CMS by depressurization so that the system continuously provides high purity food grade nitrogen.



**Maximum flexibility, lower costs**

Being your own nitrogen provider frees you from your vendors' long-term dependence, dispels downtime, running low and running out concerns while eliminates costly tank rental and transport fees, incontrollable price increases and space-consuming specific infrastructure.

**Easy installation & operation**

Just simply connect your generator to an electrical line and plug it to your nitrogen piping network and it is ready to operate! Operations consist of selecting the nitrogen flow and purity and your nitrogen generator takes care automatically of the rest.

**Continuous supply of high purity food grade nitrogen**

From any conventional compressed air, your ABSOGER nitrogen generator provides you 24 hours per day and 7 days per week the best nitrogen quality at a selected flow and purity.



*Use nitrogen at each step of the vinification process*

- 1 Screw air compressor
- 2 Compressed air receiver

- 3 Air dryer
- 4 Pre-filtration treatment package

- 5 GENIUS or GA nitrogen generator
- 6 Nitrogen buffer vessel

- 7 Nitrogen receiver

# GEN<sub>2</sub>IUS and GA series

All standard models of **ABSOGER GENIUS** and **GA** series nitrogen generators include these main following features and benefits:

**Food grade certification :** delivered with your nitrogen generator. It is certified by Bureau Veritas.

**Integrated control system :** includes an oxygen analyser and an intelligent PLC module designed to always reach a reliable, secure and energy-efficient way of producing high quality food grade nitrogen. A color touch screen displays live information (nitrogen purity, flow, pressure etc) as well as data log for complete traceability and allows you to easily select nitrogen purity and flow rate at any time. Finally, remote monitoring offers you even more security and simplicity of use from wherever and whenever you need.

**Complete package option :** if required, the nitrogen generator can be delivered already with its appropriate air compressor, air and nitrogen buffers/receivers as well as the pre-filtration treatment package (already included in all standard models). This complete package will be mounted on a skid (see the example picture "GA serie") and previously tested in our factory.

**ABSOGER GENIUS serie:** for a maximal flexibility

GENIUS serie have been developed to meet a truly valuable factor for our customers: flexibility. Indeed, GENIUS models can be upgraded to provide extra nitrogen capacity should demand increase over time. No extra nitrogen generator is needed. Just add extra ABSOGER CMS\* columns and your GENIUS is ready to produce extra nitrogen at a fraction of the cost.

This feature allows you to save money: by fitting exactly your investment to your current nitrogen needs, you make the best of your money while being sure that you will be able to upgrade your system at a fraction of the cost if your nitrogen requirement increases.

**Nitrogen flow rate:** starting from 5 m3/h to whatever your requirement.

**Purity:** up to 99,999%.

\*CMS: Carbon Molecular Sieve



**ABSOGER GA serie:** for large nitrogen requirements at the lowest cost

When large nitrogen production requirements are needed, ABSOGER, unlike most of its competitors, is able to provide one single nitrogen generator at the right nitrogen purity, flow rate and pressure. The benefit of this alternative is simple: one single machine means a substantial lower initial investment and maintenance costs compared to any other alternative.

**Nitrogen flow rate:** starting from 65 m3/h to whatever your requirement.

**Purity:** up to 99,999%.



*Example of a GA generator with its option "complete package" (delivered on a skid).*

For more detailed information about our nitrogen generators, please contact us ([absoger@absoger.fr](mailto:absoger@absoger.fr)) or our authorised distributors.

