

# Nitrogen Generator

Save time and money, bring nitrogen production in-house.

The modular model can be upgraded to suit your increasing requirement, without having to buy a completely new device offering an innovative solution.

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**CARBOTRADE**  
NITROGEN GENERATOR BY ABSOGER



## Skid - Plug & Play

The generators range can be assembled on a skid with all the elements of the air supply chain.

- Compressor
- Air tank
- Filtration chain
- Dryer
- N2 tank



## Technical characteristics

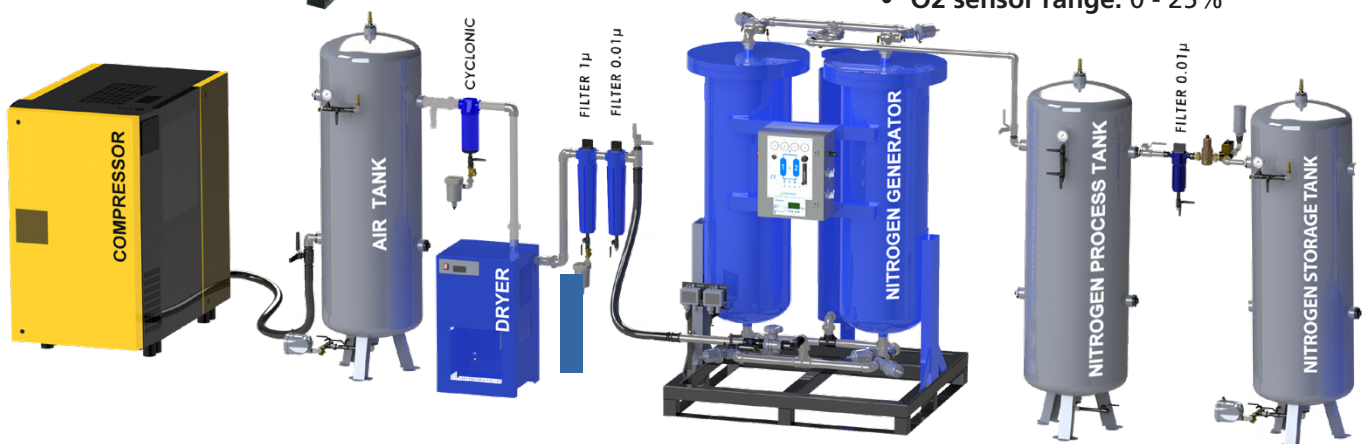
Nitrogen flow: from 5 Nm<sup>3</sup>/h.

Purity: up to 99.9999%

- PSA technology (Pressure Swing Adsorption)
- Integrated high precision oxygen analyzer (0.01%).
- Double Purity
- Impure Nitrogen Purge
- Eco mode
- Food grade certificate

## Technical Features

- **Temperature:** +1°C à +40°C
- **Dew point at atmospheric pressure:** -40°C
- **Power supply:** 115/230 VAC 1ph 50/60Hz
- **Nitrogen valve :** 3 way-out of specification
- **Nitrogen purity:** double purity
- **Consumption:** 100W
- **Required incoming air quality:** dry and free-oil - ISO 8573 classe 1.4.1
- **Incoming air pressure:** 7 à 10 bar (13 bar on demand)
- **Operating data:** recoverable - Modbus TCP/IP
- **Certification:** DESP 2014/68/UE - ASME VIII div.1 (option)
- **Control:** PLC with HMI
- **O2 sensor range:** 0 - 25%



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For further information, call 04 390 3577  
or email: [info@grapeworks.co.nz](mailto:info@grapeworks.co.nz)

# The nitrogen generation in a winery:

## Applications and general overview

### Static applications

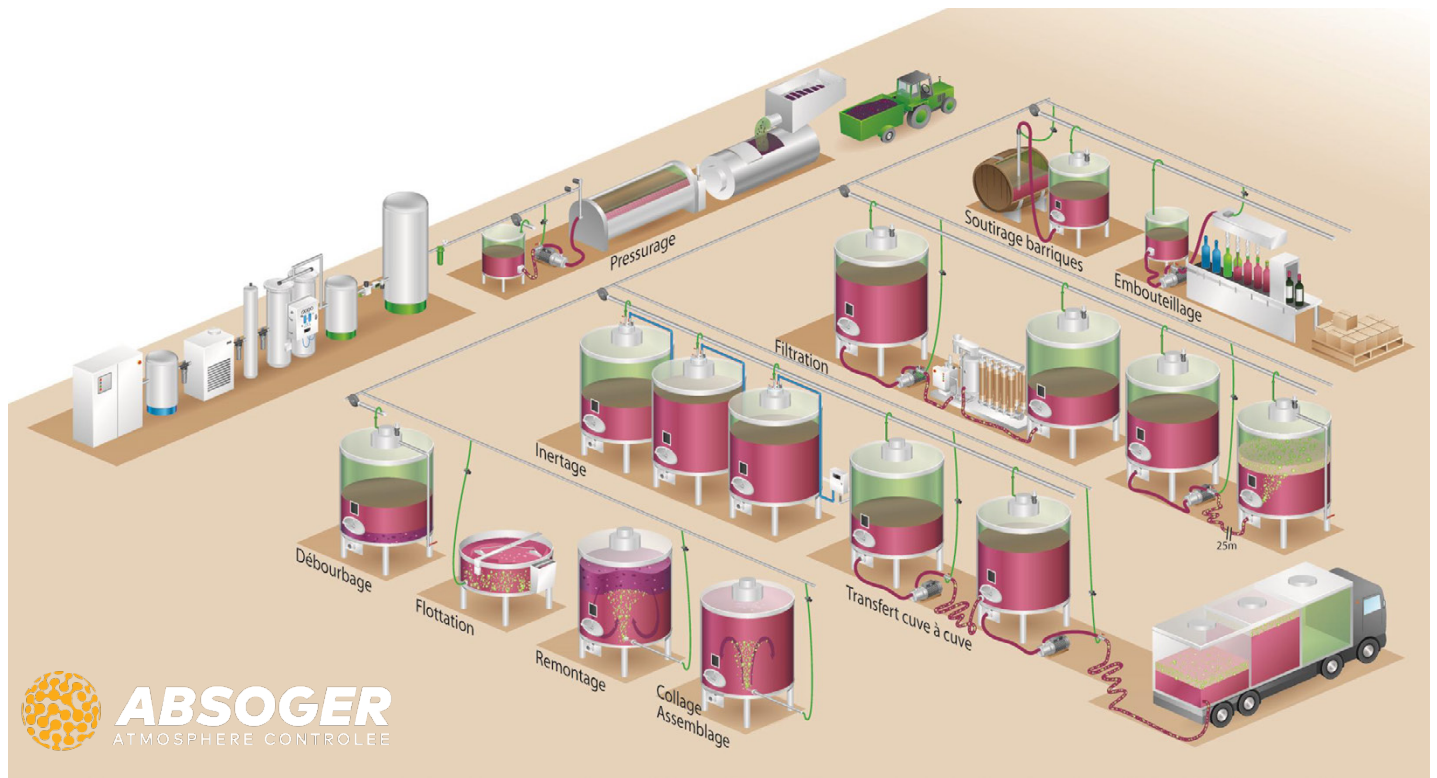
- Neutralization of ageing clarification tanks
- Piping neutralization
- Pressing
- Barrels racking
- Bottling

### Dynamic applications

- Physical treatments
- Adjuvant treatment
- Homogenization
- Pumping over
- Barrels transfers
- Stripping
- Flotation
- Splicing
- Blending

## applications and general overview

### Static applications



## Advantages of buying N2 generator

Renting a N2 tank	Buying a N2 generator
A non redeemable cost	A financial investment
N2 shortage risk : provider dependency	Maximum flexibility : self N2 providing
Liquid N2 tank : obligation to comply with costly and heavy security norms	Nitrogen generator : « common » air vessel under 10 bar pressure = light security norms
Low economic visibility many negotiation rounds with N2 provider	Long term economic visibility (10 years at least)