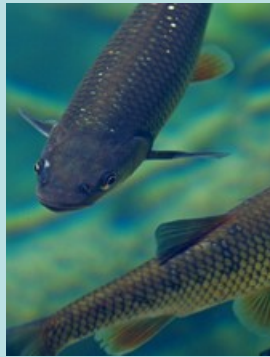
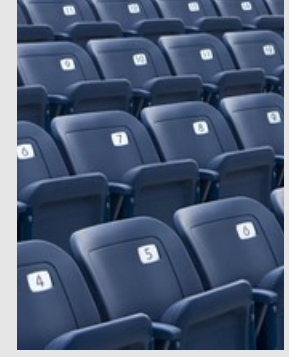
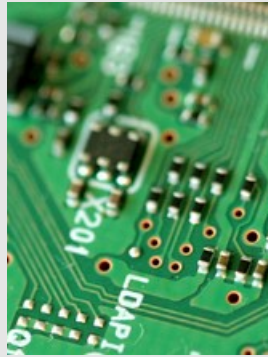




# Oxygen & Nitrogen Generating Systems





## PREVIEW

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- Oxywise Gas Generators produce high quality oxygen or nitrogen from compressed air on site by pressure swing adsorption method





## ABOUT US

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- We aim to deliver to our customers solutions that really works
- **Oxywise means not only excellent products, but proper support and service!**
- We have working installations around the globe
- We are skilled workers, salesmen and other technical staff with experience from the gas industry and engineering





## Partners



Endress+Hauser





## SCOPE OF SUPPLY

1. Air compressor
2. Cyclone filter with automatic drain
3. Refrigeration dryer
4. Prefilter & particle filter
5. Air tank
6. Gas generator
7. Buffer tank
8. Pressure regulator with dust filter
9. Medical sterile filter
10. HP compressor
11. Filling ramp

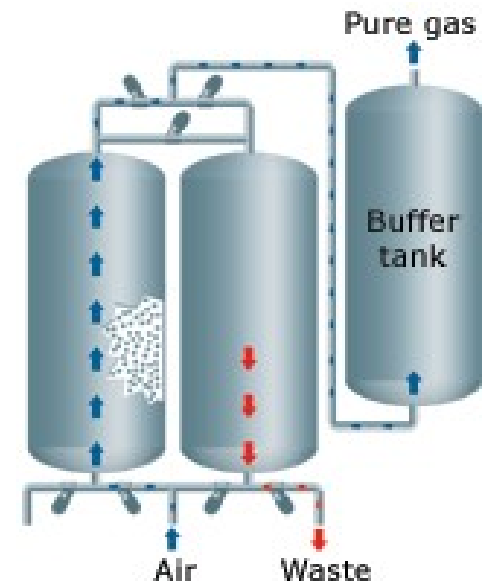




## WHAT IS PSA?

**PSA** stands for Pressure Swing Adsorption

- Gas generator has two columns filled with molecular sieve (CMS or Zeolite)
- CMS traps Oxygen molecules when pressurized, Zeolite traps nitrogen molecules.
- Only treated and oil & dust-free compressed air must be used
- One column is active while the other completely regenerates
- Columns switch roles at the end of each cycle
- No chemical additives needed!





## PRODUCT RANGE

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### Oxygen Generators

- Capacity range: 1.6 Nm<sup>3</sup>/h - 200 Nm<sup>3</sup>/h
- Purity: 90% - 95%
- Standard outlet pressure: 4barG

### Nitrogen Generators

- Capacity range: 1.6 Nm<sup>3</sup>/h - 2600 Nm<sup>3</sup>/h
- Purity: 95% - 99.999%
- Standard outlet pressure: 5barG





## Various Concepts



### Various concepts:

- Standard stand alone
- Skid mounted
- Built in the frame
- Containerized solutions





## Add-ons

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Oxygen and Nitrogen high pressure  
Compressors and boosters



Filling ramps and storage systems  
customized according to customer's  
requirements





## Add-ons

Oxygen cones and diffusers



Oxygen analyzers, flow meters,  
gas mixers





## Some References



Visit our website [www.oxywise.com](http://www.oxywise.com) to read about various our case stories.



## KEY BENEFITS

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### **Flexible**

- Produce your own oxygen/nitrogen when and where needed
- Onsite and mobile solutions

### **Cost saving**

- Low running cost, minimum maintenance
- No transport and delivery charges
- Exact gas is produced

### **Increased safety**

- No handling of gas cylinders
- Complies with highest industry standards

### **Easy operation**

- Fully automated
- Plug & Play

### **High quality**

- High quality components
- Well-proven design



## CONTACT US

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