

Press Release Press Release Press Release Press Release Press Release Press Release

OXYSWING® - PSA Oxygen Generators

IGS is proud to present its new OXYSWING® line, the first flexible oxygen generation system in the world.

OXYSWING® generators can be easily adapted to changed oxygen supply conditions at any time by simply altering the number of PSA modules of the unit. An easy modification at the installation site which doesn't require any skilled personnel.

Besides, OXYSWING® generators set market standards in terms of performance and efficiency thanks to the latest PSA technology. Other features like compact design make them the preferred solution for several applications.

The advantages with using oxygen compared to air in **activated sludge plants** can be summarized as follows:

- Higher oxygenation capacities
- Smaller treatment plants
- Improved sludge settleability
- Reduced risk for sludge with poor settling characteristics
- Less sludge production
- Reduced emission of odorous compounds
- Improved stability of the process, easier to control the oxygen concentration
- Easier to cope with peak loads due to the high oxygenation capacity
- Improved possibility to apply nitrification

OXYSWING® PSA Oxygen Generators are an **interesting alternative oxygen source** if compared with externally purchased oxygen in gaseous or liquid form.

OXYSWING® PSA Oxygen Generators give the possibility to generate oxygen independently from gas supplier at very competitive costs.

Advantages:

- **Flexibility**
- **Stable Purity**
- **Unlimited Capacity**
- **Safety (Low Pressure)**
- **Invariable O₂ Cost**

All our standard models can be enhanced by a series of optional features to allow the user to have a custom-built solution that meets his individual requirements.

The plants can be supplied on skids or turnkey assembled inside ISO containers. All the components are selected according to the customer's specific environmental conditions.

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