

FLOXAL™ O₂

Oxygen on-site production



FLOXAL™ Solutions

FLOXAL™ Solutions cover the supply of gas generated at your site - using plants invested, operated, and maintained by Air Liquide - meeting your demand specifications of purity, pressure and flow rate, with full back-up and guaranteed performance.

Three molecules are made available under the **FLOXAL™** offer: nitrogen, oxygen and hydrogen. For each molecule, various generation technologies are used to ensure satisfaction of your gas needs at the required specifications at a competitive price.

FLOXAL™ O₂

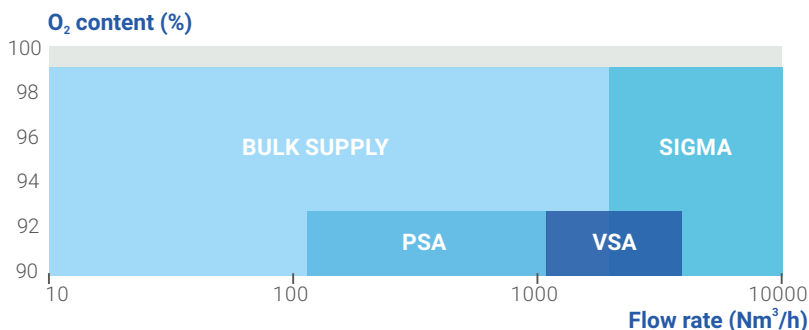
Because you need oxygen supply adapted to your unique process requirements we propose a full range of state of the art plants built to a standard design thus ensuring safety, reliability, and cost efficiency.

We guarantee continuous supply of gas, worry-free, so that you can focus on your business. Full gas availability is ensured through tele-monitored performance tracking supported by a network of alarm response centres and qualified service technicians as well as auxiliary bulk back-up storage on your premises.

Markets & Applications

Metals | Glass | Chemical | Food | Pharmaceuticals
| Pulp & Paper | Waste and Water treatment
Melting | Refining | Oxy-combustion | Fermentation
| Oxidation | Bleaching | Delignification

On-site oxygen portfolio



On-site oxygen product line

Product	VSA	SIGMA	PSA O ₂
Technology	Vacuum swing adsorption	Turbine – cooled cryogenic distillation	Pressure swing adsorption
O ₂ purity	90 – 93 %	96 – 99.5 %	90 – 95 %
Flow Range (Nm ³ /h)	1300 – 4500	3000 – 9000	10 – 400
Pressure (barg)	1.2 + compression	1.8 – 30	5
Key feature	Low cost and high efficiency	High purity, N ₂ coproduction, self backup	Adapted purity
Main application	Combustion, oxidation	Combustion, oxidation	Bleaching
Primary markets	Glass, metal, pulp & paper, water treatment	Glass, metal, chemical	Mining in remote locations

VSA product line delivers the FLOXAL™ promise: peace-of-mind at best-in-class total cost of ownership.

VSA

Enhanced cost efficient gas O₂ generator with Vacuum Swing Adsorption (VSA).

BENEFITS

- Wide product range to cover various customer needs
- Simplified design and efficient sourcing for cost reduction
- Improved energy efficiency with innovated technology
- Optimized for customer in dedicated markets
- Automated operation with uninterrupted gas supply

Contact Us

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A world leader in gases, technologies and services for Industry and Health, Air Liquide is present in 75 countries with approximately 66,400 employees and serves more than 3.8 million customers and patients.