

## FLOXAL<sup>™</sup> O<sub>2</sub>

On-site oxygen production



### FLOXAL Solutions

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

Three molecules are 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 and at a competitive price.

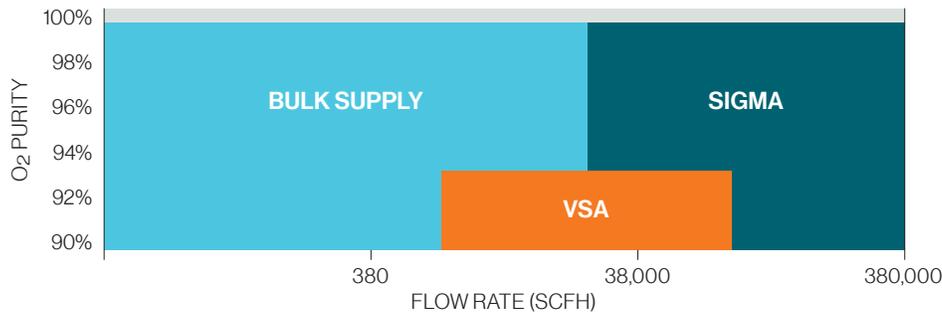
### Your requirements are unique

Airgas, an Air Liquide company, offers a full range of state-of-the-art plants built to a standard design, ensuring safety, reliability, and cost efficiency. With guaranteed continuous supply of gas you can focus on your business. Gas supply can be ensured through iDATAL<sup>™</sup> telemonitored performance tracking supported by a network of alarm response centers and qualified service technicians, as well as auxiliary bulk back-up storage at your facility.

### Markets & applications

- Metals
- Glass
- Chemical and refineries
- Pulp and paper
- Waste and water treatment

# On-site oxygen portfolio



Product Line	VSA	SIGMA
Technology	Non-cryogenic vacuum swing adsorption	Turbine-cooled cryogenic distillation
O <sub>2</sub> purity	90 – 93%	96 – 99.5%
Flow range (SCFH)	10,000 – 120,000	120,000 – 380,000
Pressure psig (bar)	17.4 (1.2) + compression	26 (1.8) – 290 (30)
Key feature	Low cost and high efficiency	High purity, N <sub>2</sub> coproduction, liquid production
Main application	Combustion, oxidation	Combustion, oxidation
Primary markets	Glass, metal, pulp and paper, water treatment	Glass, metal, chemical

## VSA product line delivers the FLOXAL™ promise: peace-of-mind at best-in-class Total Cost of Ownership

### VSA

Enhanced cost-efficient gas O<sub>2</sub> generator using Vacuum Swing Adsorption (VSA)

### Benefits

- Wide product range to meet various needs
- Flexible modular system design
- Energy-efficient operation
- Guaranteed plant up-time
- Automated operation and uninterrupted gas supply

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