



FLOXAL™ N₂ for Food

On-site nitrogen solutions for the food industry



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.

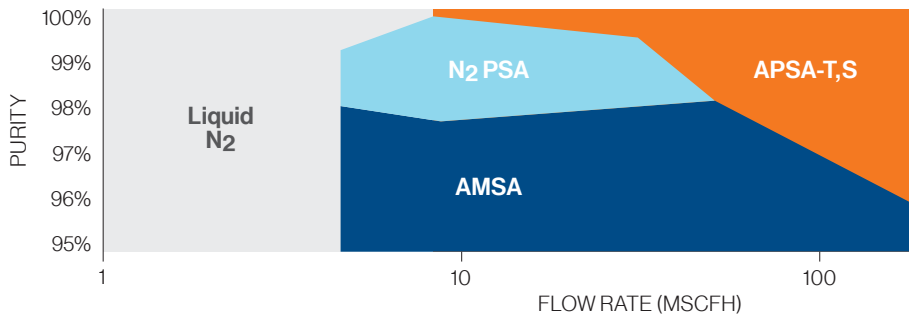
Three molecules are available under the FLOXAL offer for various applications: nitrogen, oxygen and hydrogen. For each molecule, various generation technologies are used to ensure satisfaction of your gas needs at the required specifications and at a competitive price.

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 for your processes including Modified Atmosphere Packaging (MAP), beverage applications and edible oils inerting.

We guarantee a continuous supply of gas, so you can focus on your business. Full gas availability is ensured through 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.

FLOXAL N₂ on-site generators meet a range of national and international food quality requirements. The generators can also be tailored to meet unique customer specifications.

On-site nitrogen solutions for the food industry



Perimeters are indicative
Airgas will select the most appropriate solution for your flow and purity requirements.

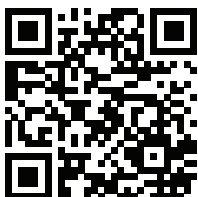
| Product Line | APSA-T | APSA-S | N2 PSA | AMSA |
|----------------------------------|---|---|----------------------|----------------------|
| Technology | LIN ¹ -assisted cryogenic distillation | LIN ¹ -assisted cryogenic distillation | Adsorption | Membrane |
| Residual oxygen | 1–10 ppm | 1–10 ppm | 0.5%–2% | 2%–5% |
| Generator flow range (scfh) | 8,000 – 80,000 | 40,000 – 114,000 | 6,000 – 60,000 | 6,000 – 60,000 |
| Pressure (psig) | 80–120 | 30–120 | 80–130 | 80–130 |
| Key feature | Extensive turndown | Low energy | Adapted purity | Modular |
| Food monographs met ² | FCC ³ , EC, JECFA, NF 32 or per customer request | FCC ³ , EC, JECFA, NF 32 or per customer request | Per customer request | Per customer request |

1. LIN = Liquid nitrogen
 2. Dependent on inlet air conditions
 3. FCC nitrogen specification requirements: N₂ >99%; CO₂ <300 ppm; CO <10 ppm; O₂ <10,000 ppm; NO/NO₂ not applicable

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

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
- Quality control through continuous process monitoring and analysis
- Certificate of Conformance provided at customer specifications
- Hazard Analysis and Critical Control Point (HACCP) available upon request



Contact us
 800.820.2522 | info@airgas.com
 Airgas.com
 MCM-485-D | ©2019 Airgas, Inc. | Printed in the U.S.A.

