

Biogas Purification

State-of-the art packaged membrane systems to generate high purity RNG



35+ years of experience in gas separation membranes

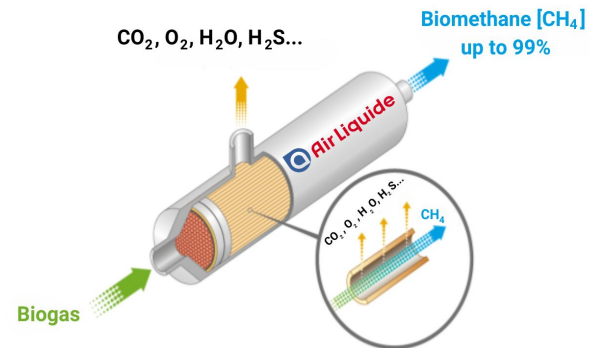
20+ years of experience in biogas upgrading

250+ biogas purification units designed and installed worldwide

100% Made in the U.S.A. membranes

Air Liquide membrane technology

Air Liquide's biogas purification systems separate methane from impurities via an innovative process that uses polymeric hollow fiber **membranes made by Air Liquide in the U.S.A.** Our complete upgrading systems are **designed by Air Liquide** and **field tested at Air Liquide's own RNG plants.**



Recovery and purity guaranteed

Performance guarantees for both methane recovery and product purity:

- Guaranteed quality for injection into the network
- Methane recovery rate up to 99%
- Simple and reliable system with run time above 98%
- Economical and highly efficient



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The Experience and Expertise of Air Liquide at your service

Air Liquide biogas upgrading systems are robust, reliable, efficient, flexible, easy to install and operate, combining Air Liquide's American-made gas separation membranes with proprietary system design. **Our experienced team** of technical experts and project developers will be your **single point of contact** to find the **best fit for your biogas project**.

- Treats raw biogas flows ranging from 50 to 15,000+ SCFM.
- Handles feed gas from a variety of biogas sources such as landfills, agricultural digesters, wastewater treatment plants, and food waste digesters.
- Customizable features, including, but not limited to, feed and product compression.
- High domestic content: Most of our manufacturing and supply chain is within the U.S.A. Membranes are estimated around 100% domestic content and skidded solutions typically around 70%.

Standard Skid Design Offerings (SCFM)
200 - 800 (digester only)
800 - 1,500
1,500 - 3,500
3,500 - 5,500
5,500 - 8,000
8,000 - 10,000

Services related to our biogas solutions



Rapid response of field services team for system start-up, repair and maintenance tailored to the needs of each customer:

- Training in routine operations and maintenance, plus special sessions on safety in addition to basic training to raise staff awareness.
- Inspection and adjustment of settings of the purification unit in order to optimize the production of RNG while reducing your operating costs.

- Preventive maintenance that includes the replacement of worn out parts and related labor.
- Back-up spare parts can be made available to you directly onsite.
- Year-round technical assistance year-round via our hotline and service within 4 hours where required.

