



Small Flow Compact Units

High-efficiency biogas upgrading
for small flows (150–600 SCFM)



Air Liquide is expanding its biogas purification portfolio with its new small flow (150-600 SCFM) compact, “RNG-ready” systems, engineered to help producers capture value from extra gas volumes or smaller feedstocks that were previously difficult to process.

The Air Liquide advantage: small scale, large impact

Leveraging our role as a “manufacturer-operator,” we have designed the small flow series to deliver world-class membrane performance in a simplified, easy-to-install package.

- **Integrated design:** each unit includes pre-filtering, a feed compressor, proprietary pre-treatment, and CO₂ removal in a single streamlined system.
- **Plug-and-play simplicity:** designed for easy and quick installation to get your project online faster.
- **Maximum recovery:** achieve **>96.5% methane recovery**, ensuring you capture the most value from every SCFM.
- **Unmatched reliability:** benefit from **>98% system uptime** and a design with **no rotating parts** in the purification stage, leading to low maintenance requirements.
- **Sustainable operation:** a purely physical process with **no water or chemical requirements**.

Technical Specifications: SCF300 vs. SFC600

Engineered for versatility, these units handle varying flow rates and complex gas compositions with ease.

Characteristics	SFC300	SFC600
Max. raw biogas flow	300 SCFM	600 SCFM
Methane recovery	>96.5%	>96.5%
System uptime	>98%	>98%
Footprint	1,100 sq. ft.	1,300 sq. ft.
Energy consumption	80 HP	140 HP
Outlet pressure	150 psi	150 psi

Versatile solutions for multiple feedstocks

The small flow series is a flexible technology solution for a wide range of organic waste sources:

- Landfills
- Wastewater treatment plants
- Agricultural digesters
- Food industry



Ready for the circular economy

Whether your goal is **pipeline injection** or **vehicle fueling**, the small flow series provides a high-purity RNG product ready for immediate use. Combined with **remote operation** capabilities, the small flow units offer a low-oversight solution for decentralized biogas production.

Contact us

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