

PRISM® Membrane Separators for Biogas Applications



Membrane
Solutions



270+
BIOGAS SYSTEM
REFERENCES

Offering membrane separators and engineering partnership to achieve pipeline or bio-LNG specifications so you can upgrade, dehydrate, and monetize your biogas.

- Strong engineering collaboration with deep technical insight
- Innovative and flexible cycle designs

Reliability & Quality

- Trusted by a global install base with projects in the Americas, Europe, and Asia
- Pioneering membrane-based gas separation technology dating back to 1979 with biogas references starting in 2008
- Assembled and tested to meet rigorous quality standards of ISO 9001 and AS 9100

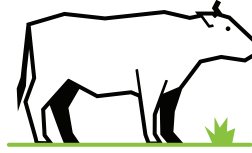
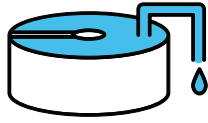
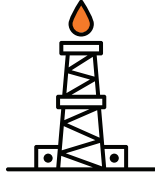


Advantages of Membrane Separators Over Other Technologies

- Simple, passive technology
- Ready for processing instantly—no lengthy startup or shutdown preparations
- No moving parts or consumables
- Easily scalable to fit
- Eliminate the need for intermediate purification technologies such as amine scrubbing or thermal swing absorption (TSA)

GENERATING A CLEANER FUTURE

Biogas solutions for a variety of feedstocks such as anaerobic, wastewater, food waste, and landfill gas.



PRISM® GreenSep

Upgrade biogas to generate biomethane for grid injection or local vehicle refueling.

- Remove CO₂, hydrogen sulfide, and water vapor from biomethane
- Three sizes, two fiber configurations, modular designs
- Recovery range up to 99.95%
- High-purity methane up to 99.5%
- H₂S tolerance up to 5000ppm



PRISM® GreenSep LNG

Meet strict CO₂ requirements associated with bio-LNG.

- Static robust membrane design allows for a reliable and consistent flow of nearly 100% biomethane to be fed directly into the liquefaction process
- Streamline design and reduce capital expenses by eliminating the need for a TSA unit



PRISM® GreenDry

Remove water vapor from biogas with reliable, easy-to-maintain system configurations.

- The industry's first dehydration membrane separator designed for biogas processing
- Flexible design, upstream or downstream, while minimizing methane slip



GLOBAL SERVICE & SUPPORT



Available 24/7 to support you throughout your system's full lifecycle, minimizing downtime and keeping your operations running at peak performance with genuine parts and expert engineering insight.

CONTACT US

Our global presence includes sales offices and service support worldwide.

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