

ZERO₂
DRYOXO

BIOGAS PURIFICATION AND UPGRADING

Oxygen and Moisture Removal System



Our reliable, patented Oxygen removal technology paired with an integrated TSA dryer to create an environmentally safe solution for eliminating both oxygen and moisture from biogas streams.

Dairy - Swine - Landfill Gas

- Remove oxygen and moisture to meet the most stringent pipeline specifications
- Generate incremental revenue by upgrading biogas or LFG to valuable RNG
- As few moving parts as possible for high reliability
- Intuitive, practical design to facilitate ease of maintenance over competing solutions

DRYOXO

Skid Features Include:

- All vessels manufactured and stamped per ASME Section VIII, Div. 1, NB registered
- 100% Domestic Structural Steel
- Fully automatic, 100% closed loop regeneration cycle
- Insulated adsorber vessels and electric heater vessel for best thermal performance
- Coalescing pre-filter and particulate after-filter with differential pressure indicators
- Remote Monitoring included
- Discharge water content options for sub 7 lb/MMSCF down to < 5 ppmv
- Dryoxo skid options can handle up to 4.75% oxygen at the inlet, resulting in less than 5 ppm at the outlet



Capitalize on the RNG Market with Flexible, Modular Biogas Purification



Your single source solution with guaranteed component compatibility

The Flexible and Modular Solution

An environmentally safe solution for eliminating both oxygen and moisture from biogas streams, including dairy, swine as well as Landfill Gas (LFG) operations. Easy and quick to scale up, or down, as your biogas volumes change.

DRYOXO Model Lineup



Model E300*
300 MSCFD
210 SCFM
337 Nm³/hr



Model E750*
750 MSCFD
520 SCFM
835 Nm³/hr



Model E1200*
1200 MSCFD
830 SCFM
1332 Nm³/hr



Model E2000*
2000 MSCFD
1390 SCFM
2240 Nm³/hr

Model	Flow Capacity	Connection Size and Type	Approx. Weight	Dimensions	Power Requirements	FLA
DryOxo E300	210 SCFM / 337Nm ³ /Hr	2" 300# RF	10,000 lbs	13ft x 8ft x 11.5ft	480 VAC / 3 Phase 60 Hz	115
DryOxo E750	520 SCFM / 835Nm ³ /Hr		13,000 lbs			134
DryOxo E1200	830 SCFM / 1332Nm ³ /Hr	3" 300# RF	17,000 lbs	20ft x 8ft x 11.5ft		252
DryOxo E2000	1390 SCFM / 2231Nm ³ /Hr		20,500 lbs			270

* All skid models listed above can be configured for three different maximum oxygen levels:

- 1.75% maximum oxygen content - Carbon Steel (standard)
- 2.75% maximum oxygen content - Stainless Steel
- 4.75% maximum oxygen content - High-Temp version w/ upgraded fan and catalyst



EcoVapor, a DNOW company, founded in 2010 offers a suite of technology-based solutions for improving the sustainability of gas-powered energy systems by converting waste streams into revenue. Our solutions help Renewable Natural Gas (RNG) project operators meet pipeline specifications.

