

ZERO₂

Economically Remove Oxygen from any RNG/LFG Source

Our reliable, patented technology is an environmentally safe deoxo solution for eliminating oxygen from biogas streams, including dairy and swine farms as well as Landfill Gas (LFG) operations.

- Remove oxygen to meet the most stringent pipeline specifications
- Generate incremental revenue by upgrading biogas or LFG to valuable RNG
- Avoid costly shut-ins by relying on 99% uptime in Biogas/LFG facilities
- Simplifies operations, with less maintenance than competing solutions and more production uptime
- Rental fleet readily available for immediate deployment
- Over 60 installed in Biogas/LFG facilities

Available Options

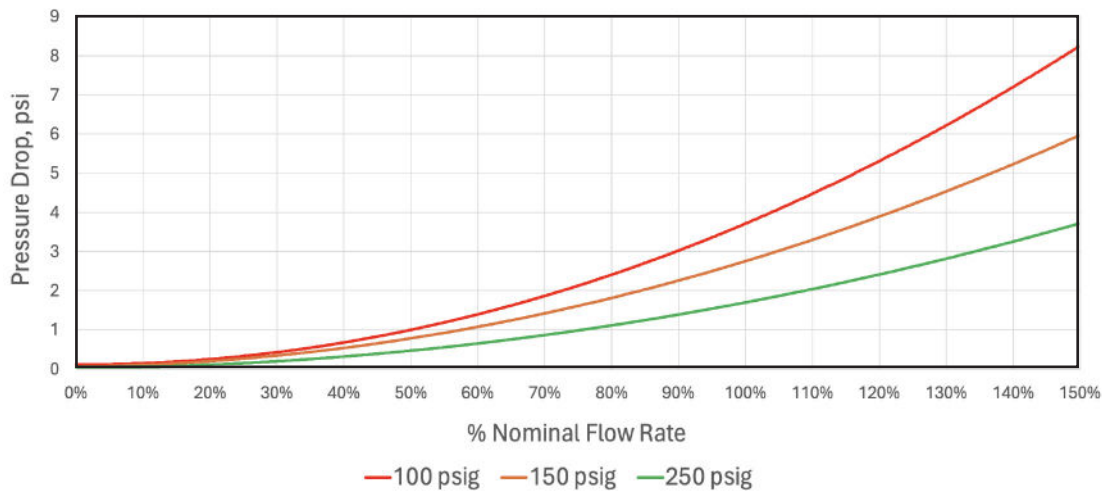
- 4.75%+ Maximum Continuous Oxygen (47,500 ppmv) with no pre-treatment, discharge recycling or other bespoke designs
- Integrated cooling skid package
- SourGuard™ technology for LFG applications
- “Unpowered” option coming soon



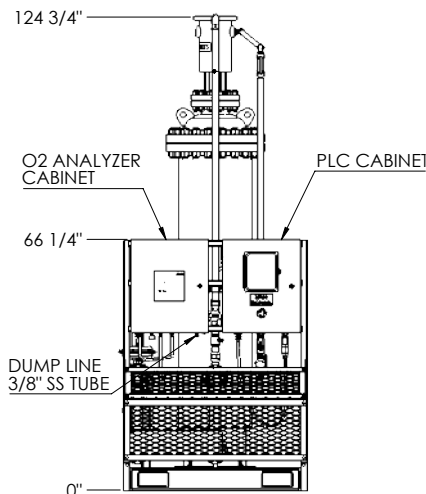
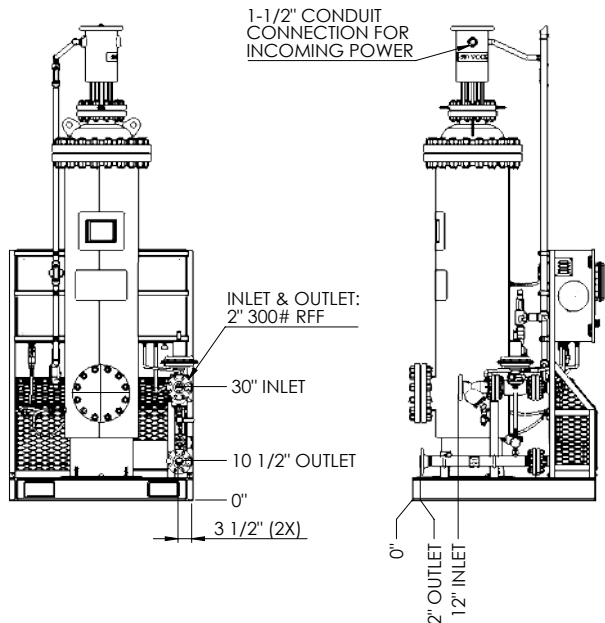
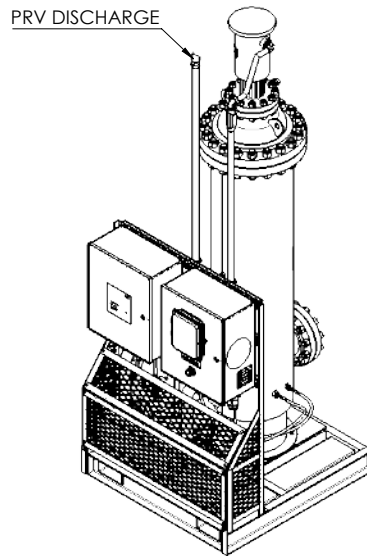
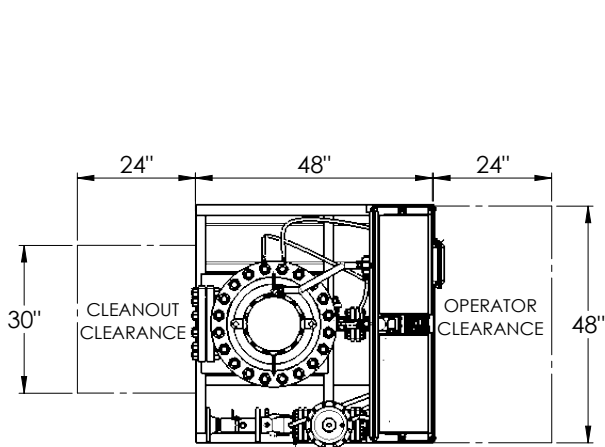
ZerO₂ E300 Specifications

Flow Capacity:.....	300 MSCFD/208 SCFM/335 Nm ³ /hr
Turndown:.....	4 : 1
Standard System MAWP:	80 psig @ 800F (5.5 barg @ 427C)
System MAWP w/ High Pressure Package:.....	410 psig at 800F (28.3 barg @ 427C)
Relief Pressure:	330 psig
Typical Pressure Drop:	3-8 psig (0.2 - 0.55 barg)
Max O ₂ at Inlet:.....	15,000-17,500 ppmv depending on gas composition
Typical O ₂ at Outlet:.....	0-5 ppm
Max H ₂ S at Inlet:	2 ppm
Max intermittent Siloxanes at inlet	< 5 ppb
Power Draw (Startup):	45 kW
Power Draw (Nominal):	10 kW
Skid Hazard Classification:...	C1D2 (excl. control panel)
Power Requirements.....	480/3/60 VAC, 60 A
480V Power Panel.....	remote-mounted, not rated for hazloc
Inlet/Outlet.....	2" ANSI 300# RFF
Dimensions (L x W x H).....	4' x 4' x 10' (1.3m x 1.3m x 3.3m)
Reactor Maintenance	Annually
Domestic Structural Steel	Made in USA

ZerO₂ Pressure Drop as a Function of Flow Rate, 98% Methane



*Contact EcoVapor Engineering for ZerO₂ E300 pressure drop at different discharge pressures.



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