

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 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 Nm³/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 O₂ at Inlet:.....15,000-17,500 ppmv
depending on gas composition

Typical O₂ at Outlet:.....0-5 ppm

Max H₂S 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

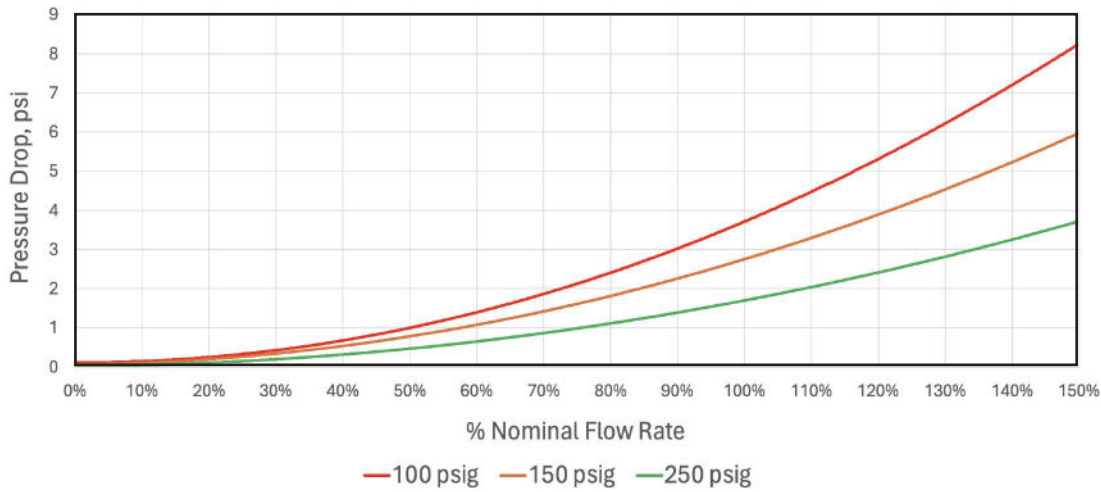
Inlet/Outlet.....2” ANSI 300# RFF

Dimensions (L x W x H)..... 4’ x 4’ x 10’ (1.3m x 1.3m x 3.3m)

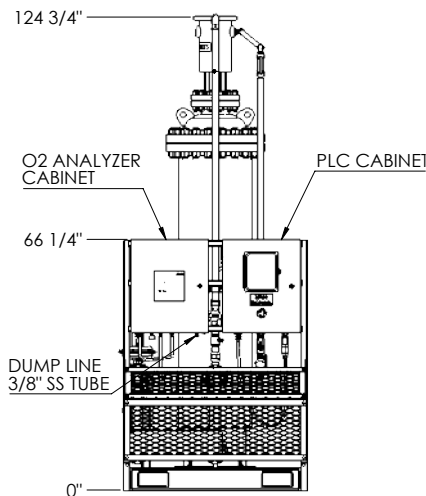
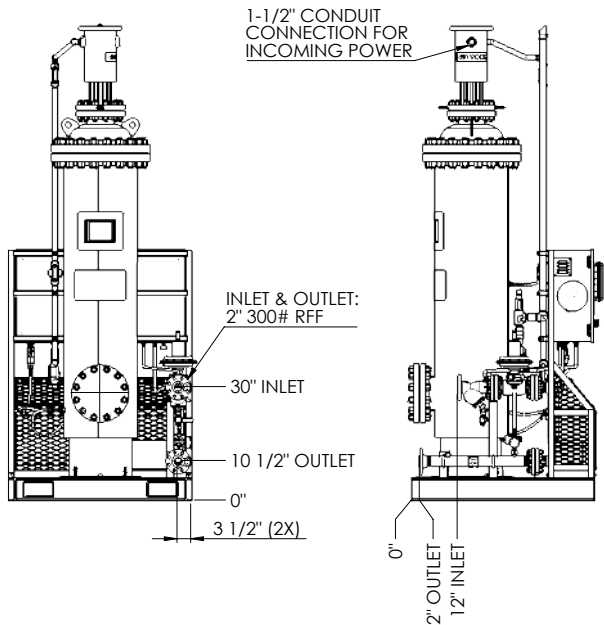
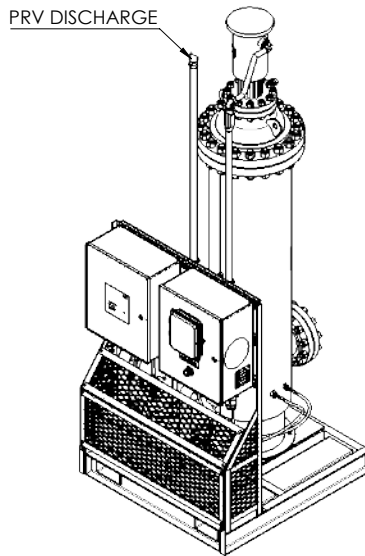
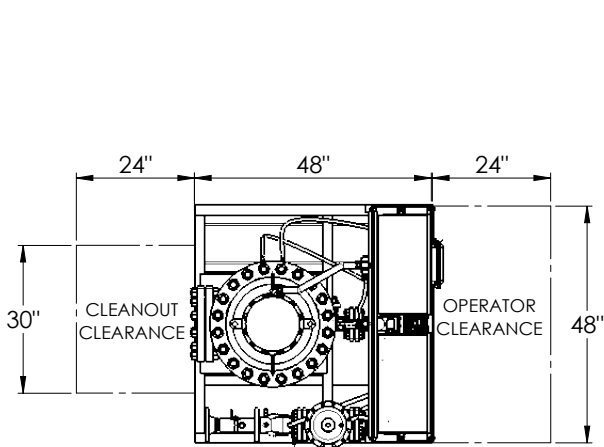
Reactor MaintenanceAnnually

Domestic Structural SteelMade 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.



DNOW
Run Stronger.

ECOVAPOR
A DNOW COMPANY

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