

# OXYGEN REMOVAL SYSTEM

Reach gas grid requirements

## Oxygen removal from biogas

Engineered to seamlessly align with stringent local and global grid specifications, our solution stands as a testament to efficiency and forward-thinking design. The system offers a cost-effective process, attributed to minimized equipment needs, and operates at a low pressure. In most cases our De.Oxo Biogas oxygen removal system prevents high-cost trucking movements. Embracing modern requirements, it features a standardized 'plug and play' functionality. Flexible contracting options are provided, coupled with the advantage of autonomous operation. The compact and modular nature of our technology eliminates the need for a local operator, ensuring efficient energy integration.

### PROCESS



### KEY BENEFITS

- 24/7 service & monitoring
- Less trucking movement
- Easy integration
- Suitable for outdoor operation
- Achieve gas grid specifications
- Turn-key solution
  - Single point of communication
  - Fast response
  - All in-house design & expertise
  - Low complexity

# SPECIFICATIONS

## INPUT

Max. flow	(625 & 1,250 SCFM) 1,000 & 2,000 Nm <sup>3</sup> /hr
Temperature	5 - 35°C (41 - 95°F)
Pressure	0.1 bar(g) (1.45 psi)
Oxygen	0 - 0.2%

## OUTPUT

Oxygen	≤ 5 ppm (dry base)
Temperature	≤ 45°C (≤ 113°F)
Pressure	0.13 bar(g) (1.88 psi)

## SYSTEM SPECS

Design pressure	< 0.5 bar(g) (<7.25 psi)
Capacity range	50% - 100%

## SPACE REQUIREMENTS

Ambient temperature range	-20°C up to +35°C (-4°F up to +95°F)
Indoor/outdoor	Outdoor operation
Housing/skidmounted	Skid mounted
Dimensions (LxWxH) (excl. dry cooler)	Approx. 12m x 2.4m x 2.6m (40ft x 8ft x 8.5ft)

