

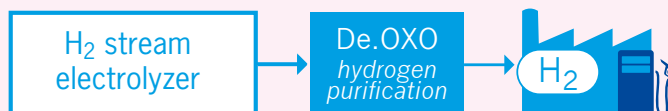
OXYGEN REMOVAL & DRYING SYSTEM

Removing oxygen and water from hydrogen

Oxygen removal & drying system

Our oxygen removal and drying system exemplifies advanced engineering, purifying hydrogen from electrolyzers and showcasing compatibility with a modular subsystem for electrolyzers. Our oxygen removal & drying system fits easily with all types of electrolyzers, enabling them to produce hydrogen fuel cell or higher purity. Drawing upon deep electrolyzer expertise, this solution seamlessly integrates, enhancing gas quality to align with ISO-14687:2019 Type I, Type II grade D standards. Offered as an indoor-skid-based solution, the technology is already a respected component in many systems. Its intuitive design precludes the necessity for a local operator, symbolizing efficiency and self-sufficiency.

PROCESS



KEY BENEFITS

- Fuel cell requirements achievable with De.OXO
- Extensive system integration experience
- Autonomous operation compact modular system
- Turn-key solution
 - Single communication point
 - Fast response
 - In-house design & expertise
 - Low complexity
- 24/7 service & monitoring
- Easy fit with all types of electrolyzers

SPECIFICATIONS

SYSTEM	De.OXO 100	De.OXO 200	De.OXO 500	De.OXO 1000
INPUT				
Pressure	15 - 40 bar(g)	15 - 40 bar(g)	15 - 40 bar(g)	15 - 40 bar(g)
Flow	100 H ₂ Nm ³ /hr (60 SCFM)	200 H ₂ Nm ³ /hr (125 SCFM)	500 H ₂ Nm ³ /hr (310 SCFM)	1000 H ₂ Nm ³ /hr (625 SCFM)
Temperature	5 - 70°C	5 - 70°C	5 - 70°C	5 - 70°C
OUTPUT				
Yield	>98%	>98%	>98%	>98%
OPERATION				
Indoor/outdoor	Indoor	Indoor	Indoor	Indoor



All data and values are indicative and based on nominal and non-frost conditions. Values might differ due to local circumstances and feedstock characteristics. Normal condition (Nm³) is defined at a temperature of 0°C and pressure of 1.013 bar(a). No rights can be obtained from this brochure. Numbers shown are indicative.