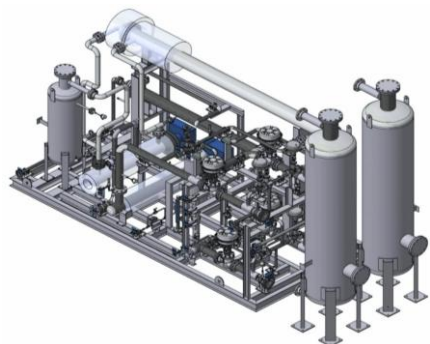


Oxygen purification



Our purification systems combine advanced catalyst and process technologies such as TSA dryers to achieve oxygen purities up to $\geq 99.9999\%$ (Quality 6.0) with maximum energy efficiency and minimal gas losses.

Electrolysis plants typically focus on hydrogen and vent the produced oxygen. With ReiCat purification technology, this oxygen can be upgraded to ultra-high purity and sold.

Technical specification

Capacity	up to 10,000 Nm ³ /h
Pressure	50–60 bar
Achievable gas quality	$\geq 99.9999\%$ (Quality 6.0)
Removable impurities	moisture, H ₂ , CO ₂ , CH ₄ , N ₂ O & others
Engineering standards	DIN, EN, ASME & others
Compliance	Applicable oxygen safety & accident prevention regulations
Quality management system	ISO 9001

Key benefits

- ✓ Modular system allows for tailored engineering according to your specifications
- ✓ Energy efficient
- ✓ Low maintenance
- ✓ Fully automated operation
- ✓ High system availability
- ✓ Minimum to zero losses
- ✓ Long lifetime beyond industry standard of 20–25 years
- ✓ Skid-mounted turnkey solution for plug & play commissioning

Exemplary oxygen purification units



Capacity: 700 Nm³/h, Pressure: 9 bar



Capacity: 480 Nm³/h, Pressure: 9 bar

ReiCat is a German technology company with over 40 years of experience in technical gas purification, technical gas recycling, and exhaust air treatment. More than 600 systems operate in 60 countries worldwide, supporting industry leaders in green hydrogen, carbon capture, and clean air technologies among others.

