



If hydrogen in your process is not consumed but only contaminated, a ReiCat H₂ recycling system enables up to 98 % recovery – cutting OPEX and reducing dependence on external gas supply.

Typical applications include heat treatment, semiconductors, and fine chemicals. With proven large-scale systems worldwide, ReiCat is your trusted partner for efficient hydrogen recovery.

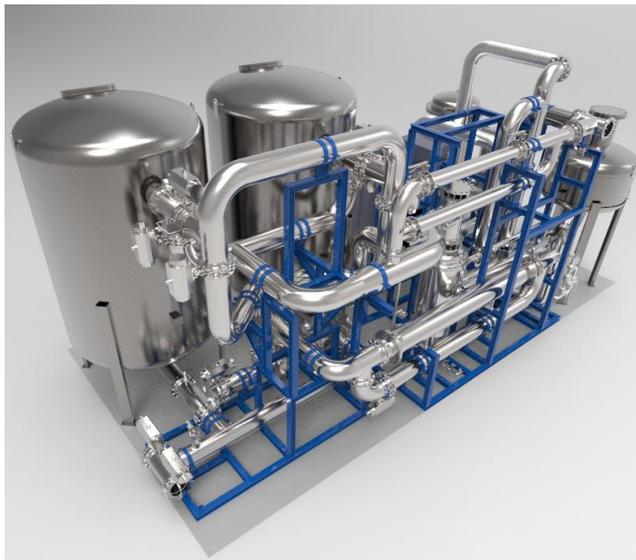
Technical specification

Capacity	up to 20,000 Nm ³ /h
Pressure	50-60 bar
Achievable gas quality	≥ 99.9999 % (Quality 6.0)
Removable impurities	hydrocarbon compounds, CO, CO ₂ , moisture, O ₂ & others
Engineering standards	DIN, EN, ASME & others
Quality management system	ISO 9001

Key benefits

- ✔ Hydrogen recovery up to 98%
- ✔ OPEX reduction up to 80%
- ✔ Quick return on investment (ROI)
- ✔ Reduced dependence on external gas supplies
- ✔ Significant reduction in CO₂ emissions
- ✔ Fully automated operations
- ✔ Low maintenance
- ✔ High system availability

Exemplary hydrogen recycling systems



Capacity: 10,000 Nm³/h, Pressure: 0.5 bar



Capacity: 4,000 Nm³/h, Pressure: 4 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.

