



ReiCat CO<sub>2</sub> purification units efficiently and reliably remove impurities at ppm level, combining patented catalyst technology with advanced process engineering methods.

Our systems achieve gas purities of up to 99.9999 % (6.0 quality) and ensure food-grade compliance according to EN 1935/2004. They integrate seamlessly with carbon capture plants, supporting a wide range of CCU and CCS applications. ReiCat has a track record of multiple large-scale CO<sub>2</sub> purification units installed worldwide.

## Technical specification

Capacity	up to 10,000 Nm <sup>3</sup> /h
Pressure	50–60 bar
Achievable gas quality	≥ 99.9999 % (6.0 Quality)
Removable impurities	H <sub>2</sub> O, O <sub>2</sub> , CH <sub>4</sub> , acetone, hydrocarbons & others
Engineering standards	DIN, EN, ASME & others
Compliance	EN 1935/2004
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 and
- ✓ Long lifetime beyond industry standard of 20–25 years
- ✓ Skid-mounted turnkey solution for plug & play commissioning

## CO<sub>2</sub> purification for carbon capture applications



Capacity: 3,000 Nm<sup>3</sup>/h, Pressure: 46 bar



Capacity: 7,761 Nm<sup>3</sup>/h, Pressure: 18.6 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.

