CO₂ purification





ReiCat CO₂ 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 $\rm CO_2$ purification units installed worldwide.

Technical specification

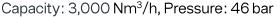
Capacity	up to 10,000 Nm³/h
Pressure	50-60 bar
Achievable gas quality	≥99.9999 % (6.0 Quality)
Removable impurities	H_2O , O_2 , CH_4 , acetone, hydrocarbons & others
Engineering standards	DIN, EN, ASME & others
Compliance	EN 1935/2004
Quality management system	ISO 9001

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

CO₂ purification for carbon capture applications







Capacity: 7,761 Nm³/h, Pressure: 18.6 bar

