



Example: Chemical Solvents

The most common chemical solvents used for CO₂ capture from low-pressure flue gas are amines. After the CO₂ reacts with the solvent in the absorption vessel, the CO₂-rich solvent passes through the stripping column, where it is heated with steam to reverse the CO₂ absorption reaction. The CO₂ collected in the stripper is compressed for transport and storage, and the CO₂-lean solvent is recycled to the absorption stage.