

CO2 PRESSURE CHAMBER

TEAM UNDER PRESSURE



Overview

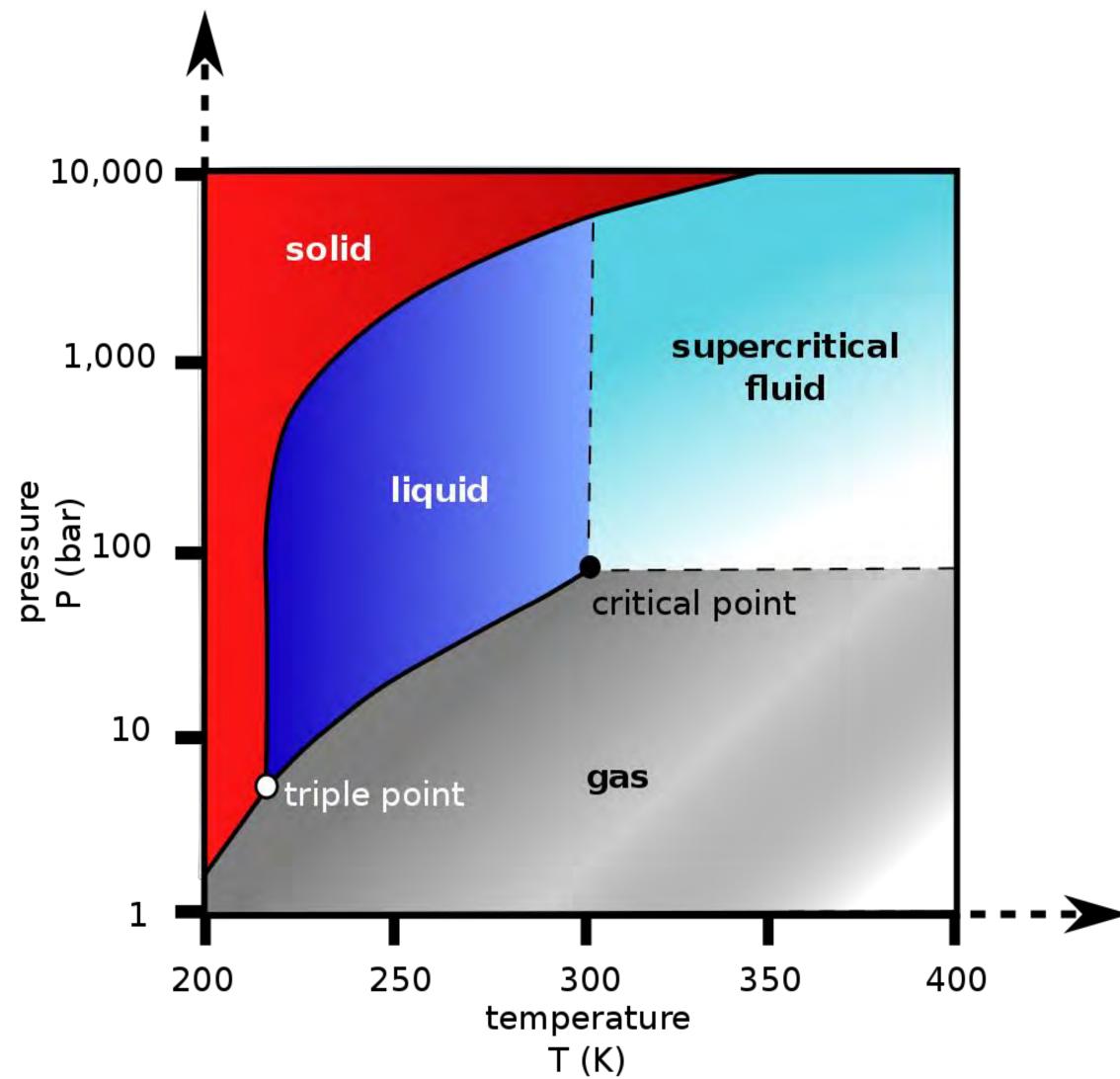
Carbon dioxide (CO_2) emissions are a major contributor to global climate change. In 2019, global CO_2 emissions totaled 36.8 billion tons. To reduce atmospheric CO_2 , conversion of CO_2 to a solid carbonate is a promising solution.

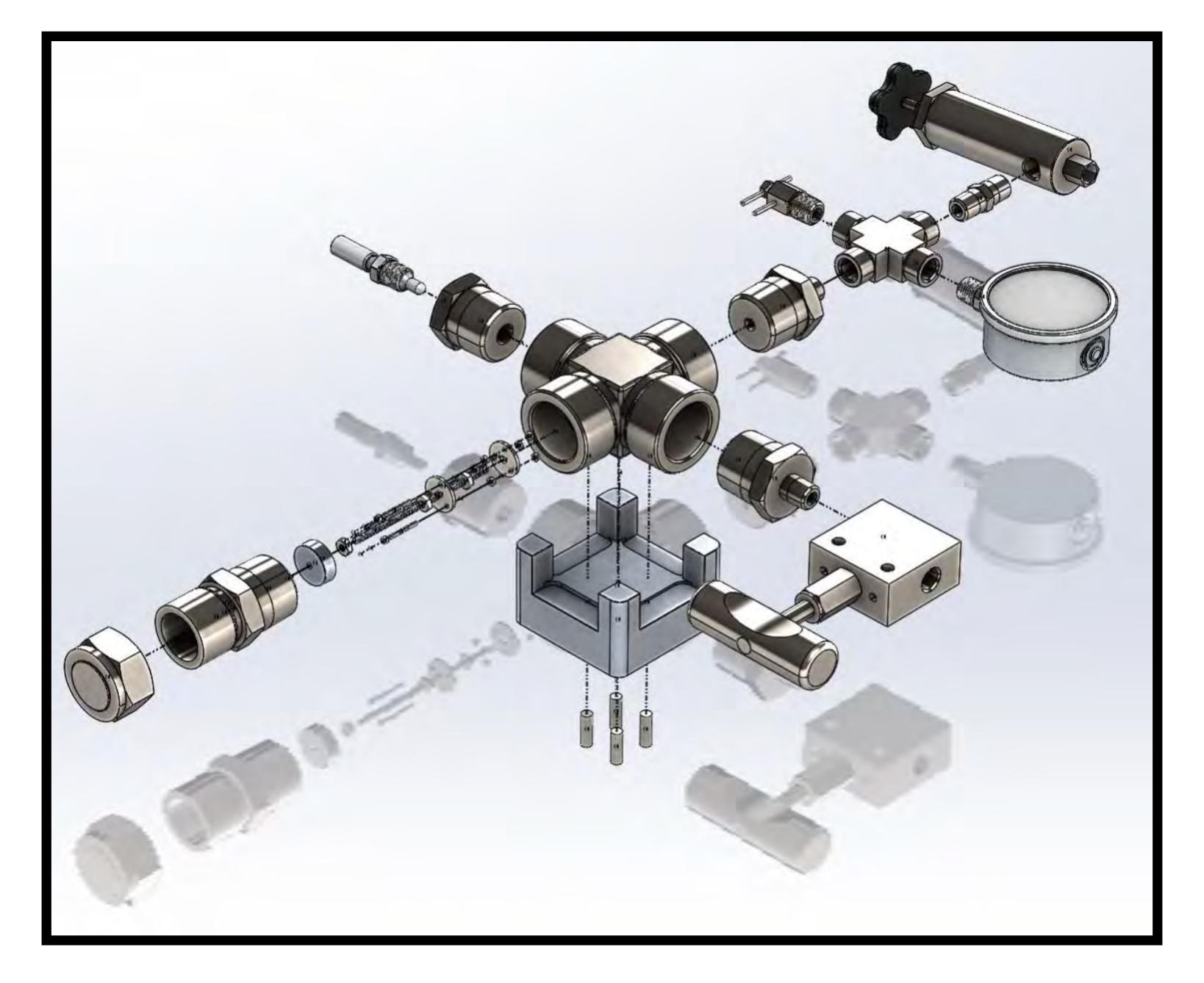
Functional Purpose

- Aid in researching methods of decreasing atmospheric levels of CO₂
- Replicate the supercritical conditions of CO₂ carbonation

Specifications

- Pressure = 4000 psi
- Temperature = 200° C
- Pressure is achieved using a CO2 tank and dry ice



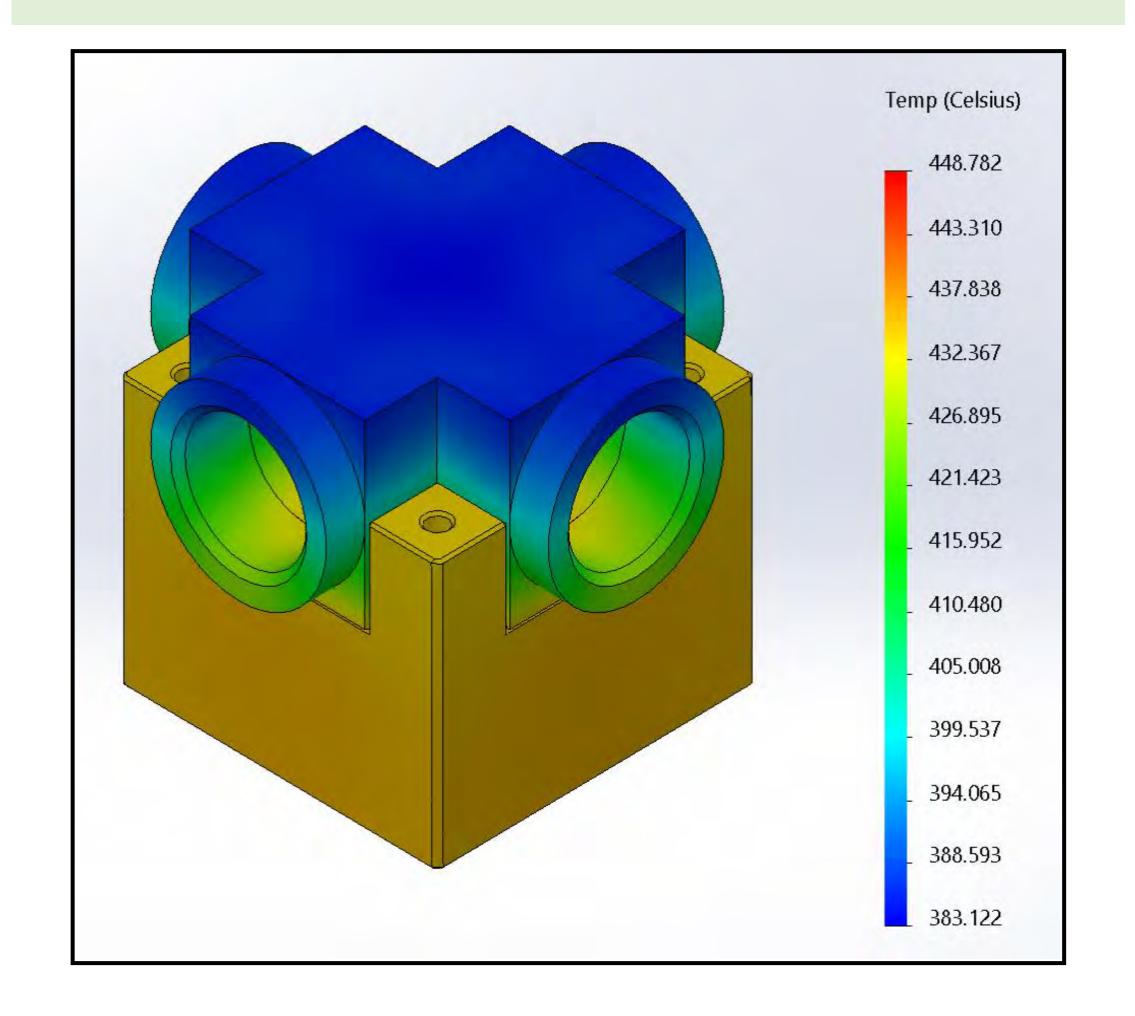


The Team

From left to right:
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Heat Transfer



CO₂ Temperature / Pressure Relationship

