

FEATURES & BENEFITS

- **CO₂ Purity:** Task specific ionic liquids provide a high purity CO₂ product.
- **Low Power:** Room temperature & pressure operation reduce energy for CO₂ capture.
- **Reliability:** Negligible room temperature vapor pressure increase system lifetime.
- **Reduced Maintenance Time :** No gas tank replacement or refills needed.
- **Improved Safety:** Smaller and fewer compressed gas cylinders.
- **Dependable CO₂ Supply:** Avoids financial risk of CO₂ supply shortages.
- **Reduced Carbon Footprint:** Eliminates need to transport gas from factory to user.

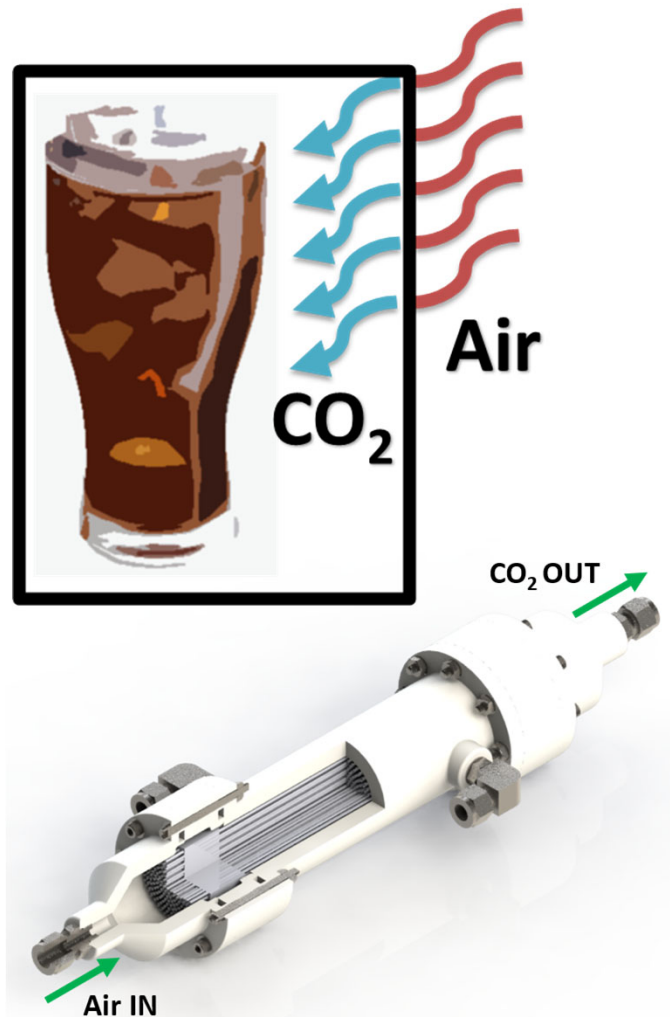
APPLICATIONS

- Restaurants
- Movie Theaters
- Bars
- Food Trucks
- Canning facilities

This Technology is in Development!

Current Funding: NASA STTR Phase I&II
(Proof of Concept and Benchtop Prototype for
Space Plant Growth Chambers)

Next Stage: Seeking Funding for Prototype
Development for Beverage Industry



DESCRIPTION

The Carbonator™ uses a supported ionic liquid membrane (SILM) to selectively separate CO₂ from ambient air and then store the gas in a small compressed gas tank for beverage carbonation at the point of consumption.

Interested in learning more? Visit www.spacelabtech.com