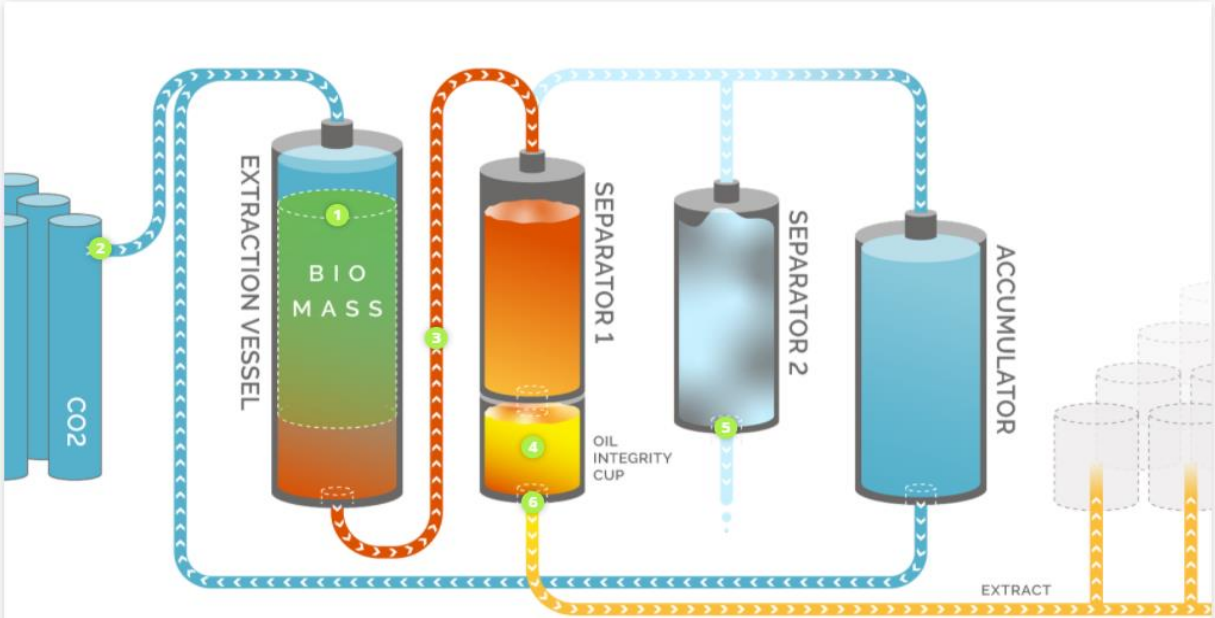
CO2 EXTRACTION PROCESS



1 – Fill Biomass
Load Extraction Vessel with biomass.

2 – Pressurize with CO2
Bring each vessel to working pressure using CO2 from supply cylinders.

3 – Run in Closed Loop

In Extraction Vessel, compounds are pulled from biomass into solution.

Solvent (CO2) is boiled out of solution in Separator 1.

Evaporated CO2 is condensed into liquid and stored in Accumulator.

4 – Periodically Sample Extract
Open valve on the Oil Integrity Cup to collect extraction samples. No need to remove the Integrity Cup.

5 – Depressurize
After allotted run time, system is depressurized by releasing CO2 through Separator 2.

6 – Collect Extract
Extract collected from the Oil Integrity Cup.