

20°C → 330°C = ±310°C

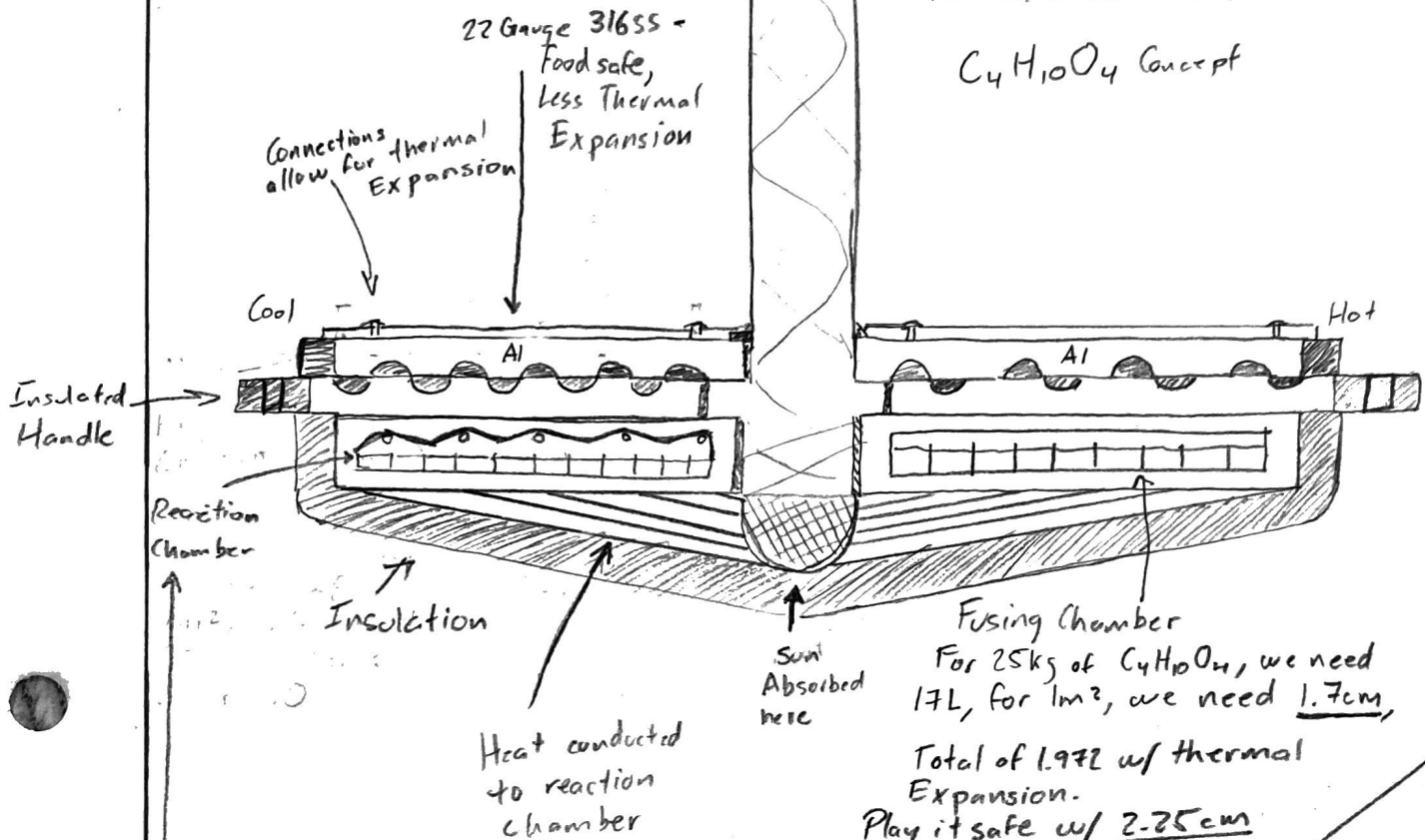
CaO - low thermal expansion

Erythritol

CaO Concept

Reflective Tube bringing in
Sunlight
Thermal Expansion of $C_4H_{10}O_4$
is 10.1% solid → liquid

$C_4H_{10}O_4$ Concept



For 1.25kg of CaO over 1m²,
only need 1.25mm thick
bed of CaO, total of 3mm
for space for water
and overhead.

~\$30

Fusing Chamber
For 25kg of $C_4H_{10}O_4$, we need
17L, for 1m², we need 1.7cm,
Total of 1.972 w/ thermal
Expansion.
Play it safe w/ 2.25cm
space.

$$1.64 \times 10^{-4} / K$$

$$1.64 \times 10^{-4} \times 310 = .05084$$

5% thermal expansion
by melting

Total thermal expansion
from 20°C → Melt =
.1561 ≈ 16%

55lbs = 25kg ≈ \$307.70