

Abstract Submitted
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Cavitation Foil Damage ROGER STRINGHAM, Firstgate Energies,
PO Box 1230 Kilauea, HI 96754, Phone: 808 828 2859 — We have developed a
much improved cavitation system for sonofusion, compared to our initial systems.
The new system is a low mass 1.6 MHz unit that produces 40 watts of excess heat
with an acoustic input power of 17 watts. The increase in frequency (to 1.6 MHz from
40 KHz) increases the heat, improves the performance, shows reproducible results,
and indicates durability. The calorimetry is a simple in flow through system. The
difference between output and input temperature ($T_{out} - T_{in}$) at steady- state, times
the flow gives the power (calories/s) output of the sonofusion reactor. The energy
density of this system is of the order of commercial energy suppliers.

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