

ABSTRACT

Scale formation under nucleate boiling was studied for solutions of calcium sulphate on a tubular heater by vibrating the heating surface.

It was found that vibrational frequency changes and amplitude changes tend to reduce scaling with changes in amplitude being the dominant factor.

Scaling in calcium sulphate solutions in the presence of "Teepol" was also studied. It was found that "Teepol" does reduce scaling. Above a concentration of 0.1% further addition of "Teepol" does not reduce scaling further.