

## Performance Evaluation of Lithium Bromide Absorption Chiller

**Authors :** Z. Neffah, L. Merabti, N. Hatraf

**Abstract :** Absorption refrigeration technology has been used for cooling purposes over a hundred years. Today, the technology developments have made of the absorption refrigeration an economic and effective alternative to the vapour compression cooling cycle. A parametric study was conducted over the entire admissible ranges of the generator and absorber temperatures. On the other hand, simultaneously raising absorber temperatures was seen to result in deterioration of coefficient of performance. The influence of generator, absorber temperatures, as well as solution concentration on the different performance indicators was also calculated and examined.

**Keywords :** absorption system, Aqueous solution, chiller, water-lithium bromide

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