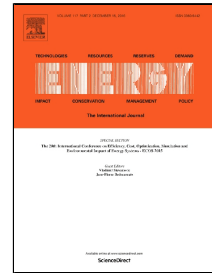


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Evaluation of low-pressure flooded evaporator performance for adsorption chillers

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Research Highlights:

- Performance of an evaporator in an adsorption chiller is experimentally investigated
- 50% of the overall thermal resistance is due to the internal heat transfer resistance
- Porous copper coating is employed on the outside surface of the evaporator tubes
- The overall heat transfer of the coated evaporator was increased by 1.4 times
- The coated evaporator improved the SCP of the adsorption chiller tested by 47.6%

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