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Nov 8, 2013 · Discover the performance of corrugated wick in a solar still. Mathematical modeling validates experimental results in Tamilnadu, India. Analyze productivity and heat transfer. ...

Apr 2, 2021 · Abstract Conventional solar still owns poor efficiency and low distillate output, hence not found commercially popular for domestic and industrial applications. The present work ...

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Sep 29, 2023 · air heaters of conventional design, one or two-pass and one or two cover glass was studied [1]. The analysis has been made on corrugated and flat plate solar air heaters of ...

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Oct 1, 2025 · This study addresses significant thermal losses in conventional solar stills caused by direct solar irradiation on vertical walls, which elevate wall ...

Feb 1, 2004 · In the present work, an experimental study of three types of solar air

collectors, namely flat plate, finned and v-corrugated, has been performed towards achieving an efficient ...

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