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Influence of pore density and porosity on the wet air flow in metal foam under different operation conditions

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Highlights

- New heat transfer and pressure drop data of wet air flow in metal foam were obtained.
- Effect of PPI and porosity on the wet air flow in metal foam was analyzed.
- Comprehensive performance of metal foam under dehumidifying condition was analyzed.
- Optimal metal foam with 20 PPI and 85% porosity for wet air was recommended.

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