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The Intermittent and Annular Flow Condensation Continuum: Pressure Drops at the Microscale

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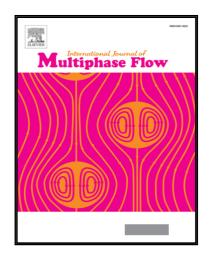
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Highlights

- Pressure drops during condensation measured in microchannels of different aspect ratios
- Annular Flow Factor defined; used to model intermittent and annular flow pressure drops
- Effects of saturation temperature, hydraulic diameter, and aspect ratio elucidated
- Model successfully predicts pressure drops in both regimes as one continuum

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