

Accepted Manuscript

EFFECT OF LOCAL THERMOPHYSICAL PROPERTIES AND FLASHING ON FLOW BOILING PRESSURE DROP IN MICROCHANNELS

Ashif Iqbal , Manmohan Pandey

PII: S0301-9322(17)30497-4
DOI: [10.1016/j.ijmultiphaseflow.2018.05.020](https://doi.org/10.1016/j.ijmultiphaseflow.2018.05.020)
Reference: IJMF 2820



To appear in: *International Journal of Multiphase Flow*

Received date: 15 July 2017
Revised date: 24 May 2018
Accepted date: 24 May 2018

Please cite this article as: Ashif Iqbal , Manmohan Pandey , EFFECT OF LOCAL THERMOPHYSICAL PROPERTIES AND FLASHING ON FLOW BOILING PRESSURE DROP IN MICROCHANNELS, *International Journal of Multiphase Flow* (2018), doi: [10.1016/j.ijmultiphaseflow.2018.05.020](https://doi.org/10.1016/j.ijmultiphaseflow.2018.05.020)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- A new approach for prediction of flow boiling pressure drop in microchannel.
- Effect of local thermophysical properties and flashing is incorporated.
- Effect of heating on two-phase multiplier is included.
- These effects are significant in case of large pressure drop.
- Experimental observations confirm improved prediction with new approach.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/7060062>

Download Persian Version:

<https://daneshyari.com/article/7060062>

[Daneshyari.com](https://daneshyari.com)