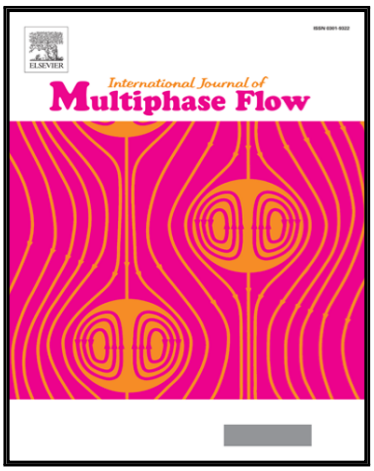

Gas-liquid two phase flow with high GVF through a horizontal V-Cone throttle device

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Highlights

- Effects of V-Cone body on flow pattern were investigated.
- Pressure recovery length of V-Cone throttle device was determined.
- Differential pressure fluctuation and Frictional resistance upstream and downstream V-Cone were discussed.
- Pressure loss of V-Cone throttle device was analyzed and a correlation for predicting the pressure loss was developed.