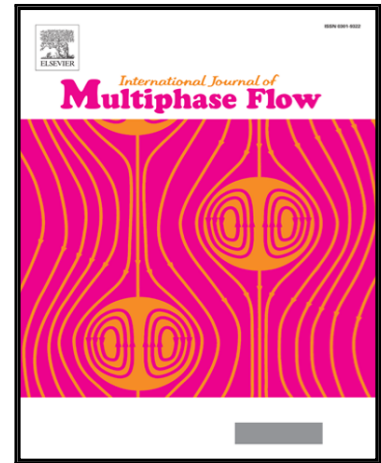


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Gas/liquid flow behaviours in a downward section of large diameter vertical serpentine pipes

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Highlights

- Gas–liquid large pipe downflow development studied by visualisation and film sensor
- Flow regime development explored regard to the flow condition and pipe geometry
- Bend's effect on phase distribution and its development at 3 locations revealed
- Large pipe dimensionless film thickness profile against film Re number presented

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