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Experimental investigation on flow of R-600a inside a diabatic helically coiled capillary tube: Concentric configuration

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Highlights

- A parametric study on the concentric configured helically coiled diabatic capillary tube is discussed.
- The refrigerant mass flow rate is scattered up with rise of pressure.
- An empirical correlation to predict the mass flow rate of R-600a inside a diabatic capillary tube is proposed.
- An independent variation of mass flow rate with geometry and inlet sub-cooling degree is confirmed.

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