

3

## Experimental Investigation of Pressure Drop Hysteresis in a Cocurrent Gas-Liquid Upflow Packed Bed

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**摘要** Extensive experimental work on hysteresis in a cocurrent gas-liquid upflow packed bed was carried out with three kinds of packings and the air-water system. However, only when packed with small glass beads ( $\phi 1.4$  mm) was the bed pressure drop hysteresis observed. Two more liquids with different liquid properties were employed to further examine the influence of parameters on pressure drop hysteresis. The similarity of pressure drop hysteresis in packed beds was concluded in combination of experimental evidence reported in literature.

**关键词** [gas/liquid/solid packed column](#) [cocurrent upflow](#) [pressure drop hysteresis](#) [experimental investigation](#)

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