

## Accepted Manuscript

Experimental investigation on heat and mass transfer in heating tower solution regeneration using packing tower

Shifang Huang , zhenyu Lv , Xiaosong Zhang , Caihua Liang

PII: S0378-7788(17)33220-6  
DOI: [10.1016/j.enbuild.2017.12.064](https://doi.org/10.1016/j.enbuild.2017.12.064)  
Reference: ENB 8257



To appear in: *Energy & Buildings*

Received date: 25 September 2017  
Revised date: 27 November 2017  
Accepted date: 27 December 2017

Please cite this article as: Shifang Huang , zhenyu Lv , Xiaosong Zhang , Caihua Liang , Experimental investigation on heat and mass transfer in heating tower solution regeneration using packing tower , *Energy & Buildings* (2018), doi: [10.1016/j.enbuild.2017.12.064](https://doi.org/10.1016/j.enbuild.2017.12.064)

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 cross-flow packing bed is proposed for heating tower solution regeneration.
- Experimentally study on heat and mass transfer characteristics is performed.
- Correlation expressions of heat and mass transfer coefficients are developed.
- Performance comparison between heating tower solution regeneration and liquid desiccant regeneration is presented.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6728826>

Download Persian Version:

<https://daneshyari.com/article/6728826>

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