

## Accepted Manuscript

Experimental evaluation of the performance of a thermodynamic vent system for a vapor-liquid storage tank with R141b as the testing fluid

Yonghua Huang , Bin Wang , Zhongcan Chen , Peijie Sun , Peng Li

PII: S0140-7007(18)30097-5  
DOI: [10.1016/j.ijrefrig.2018.03.018](https://doi.org/10.1016/j.ijrefrig.2018.03.018)  
Reference: IJIR 3931



To appear in: *International Journal of Refrigeration*

Received date: 23 December 2017  
Revised date: 17 March 2018  
Accepted date: 25 March 2018

Please cite this article as: Yonghua Huang , Bin Wang , Zhongcan Chen , Peijie Sun , Peng Li , Experimental evaluation of the performance of a thermodynamic vent system for a vapor-liquid storage tank with R141b as the testing fluid, *International Journal of Refrigeration* (2018), doi: [10.1016/j.ijrefrig.2018.03.018](https://doi.org/10.1016/j.ijrefrig.2018.03.018)

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**

- The TVS method was proved to have a significant advantage against direct venting in reducing mass loss.
- The rate of pressure rise of the ullage decreases with the increase of the filling rate in the self-pressurization stage.
- Control strategies have significant influences on the operation performance of the storage tank.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/7175253>

Download Persian Version:

<https://daneshyari.com/article/7175253>

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