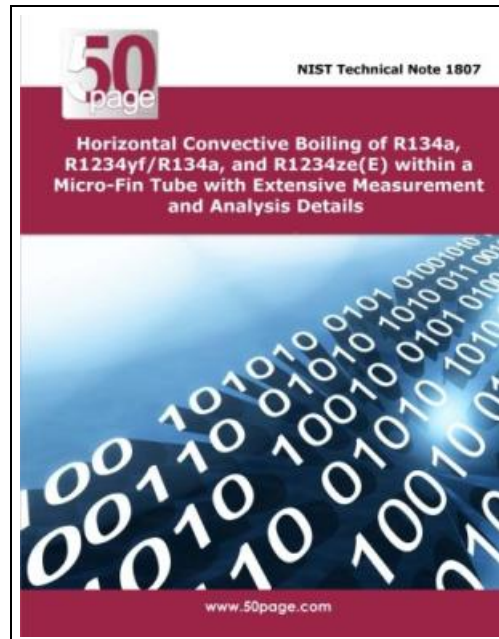


Horizontal Convective Boiling of R134a, R1234yfR134a, and R1234ze(e) Within a Micro-Fin Tube with Extensive Measurement and Analysis Details



Filesize: 3.01 MB

Reviews

This ebook is great. It typically will not expense a lot of. You will not sense monotony at at any moment of your own time (that's what catalogs are for about when you question me).

(Shaniya Torphy PhD)

HORIZONTAL CONVECTIVE BOILING OF R134A, R1234YFR134A, AND R1234ZE(E) WITHIN A MICRO-FIN TUBE WITH EXTENSIVE MEASUREMENT AND ANALYSIS DETAILS

[DOWNLOAD](#)

Createspace. Paperback. Condition: New. This item is printed on demand. 60 pages. Dimensions: 11.0in. x 8.5in. x 0.1in. This report presents local convective boiling measurements in a micro-fin tube for R134a and two low global warming potential (GWP) refrigerants: R1234yf R134a, 5644 mass and R1234ze(E). Water heating either in counterflow or in parallel flow with the test refrigerant was used to vary the heat flux for a given quality. The heat transfer coefficient of the three test fluids were compared at the same heat flux, saturated refrigerant temperature, and refrigerant mass flux using an existing correlation from the literature. The resulting comparison showed that refrigerant R134a exhibited the highest heat transfer performance in large part due to its higher thermal conductivity as compared to the tested low-GWP refrigerants. For the example case presented here, the heat transfer coefficient for R1234yf R134a (5644) remains within 5 of the heat transfer coefficient for R134a, having essentially identical performance for qualities less than 30. The heat transfer coefficient for R1234ze(E) is roughly 700 kW, K-1, m-2 (approximately 14) less than that of R134a for qualities greater than 30. The smaller heat transfer coefficient of R1234ze(E) as compared to that of R134a is primarily due to the 11 smaller thermal conductivity and the 21 smaller reduced pressure as compared to R134a at this test temperature. The measurements are important as part of the evaluation of low-GWP replacement refrigerants for R134a in unitary refrigeration and air-conditioning equipment. This item ships from La Vergne, TN. Paperback.



[Read Horizontal Convective Boiling of R134a, R1234yfR134a, and R1234ze\(e\) Within a Micro-Fin Tube with Extensive Measurement and Analysis Details Online](#)



[Download PDF Horizontal Convective Boiling of R134a, R1234yfR134a, and R1234ze\(e\) Within a Micro-Fin Tube with Extensive Measurement and Analysis Details](#)

You May Also Like



The Mystery at Motown Carole Marsh Mysteries

Carole Marsh Mysteries. Paperback. Book Condition: New. Randolyn Friedlander (illustrator). Paperback. 32 pages. Dimensions: 11.1in. x 8.7in. x 0.0in. When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery...

[Download](#) [ePub](#)

»



The Stories Julian Tells A Stepping Stone Book™

Random House Books for Young Readers. Paperback. Book Condition: New. Ann Strugnell (illustrator). Paperback. 80 pages. Dimensions: 7.6in. x 5.0in. x 0.4in. Julian is a quick fibber and a wishful thinker. And he is great at...

[Download](#) [ePub](#)

»



Absolutely Lucy #4 Lucy on the Ball A Stepping Stone Book™

Random House Books for Young Readers. Paperback. Book Condition: New. David Merrell (illustrator). Paperback. 112 pages. Dimensions: 7.4in. x 5.1in. x 0.4in. Ilene Coopers fourth story of a boy and his beagle takes Bobby and Lucy...

[Download](#) [ePub](#)

»



Viking Ships At Sunrise Magic Tree House, No. 15

Random House Books for Young Readers. Paperback. Book Condition: New. Sal Murdocca (illustrator). Paperback. 96 pages. Dimensions: 7.4in. x 4.9in. x 0.2in. Jack and Annie are ready for their next fantasy adventure in the bestselling middle-grade...

[Download](#) [ePub](#)

»



Animalogy: Animal Analogies

Sylvan Dell Publishing. Paperback. Book Condition: New. Cathy Morrison (illustrator). Paperback. 32 pages. Dimensions: 9.8in. x 8.4in. x 0.4in. Compare and contrast different animals through predictable, rhyming analogies. Find the similarities between even the most incompatible...

[Download](#) [ePub](#)

»

**Dear Bats The Creepy Cave Caper Carole Marsh Mysteries**

Gallopade International. Paperback. Book Condition: New. Paperback. 115 pages. Dimensions: 7.3in. x 5.1in. x 0.5in. When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery Online eBooks are an

[Download ePub](#)

»

**Harts Desire Book 2.5 La Fleur de Love**

Cajunflair Publishing. Paperback. Book Condition: New. Paperback. 112 pages. Dimensions: 8.0in. x 5.0in. x 0.3in. Its late 1974, and high school student, Melinda Dawson is in serious trouble. Within two hours of revealing her suspected pregnancy

[Download ePub](#)

»

**The Ghosts of Pickpocket Plantation Pretty Darn Scary Mysteries**

Gallopade International. Paperback. Book Condition: New. Paperback. 109 pages. Dimensions: 7.4in. x 5.2in. x 0.3in. When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery Online eBooks are an

[Download ePub](#)

»

**The Mystery in Chocolate Town Hershey, Pennsylvania Carole Marsh Mysteries Teachers Guide**

Gallopade International. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 11.0in. x 8.2in. x 0.1in. When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery Online eBooks are an

[Download ePub](#)

»

**Molly on the Shore, BFMS 1 Study score**

Petrucci Library Press. Paperback. Book Condition: New. Paperback. 26 pages. Dimensions: 9.7in. x 6.9in. x 0.3in. Percy Grainger, like his contemporary Bela Bartok, was intensely interested in folk music and became a member of the English

[Download ePub](#)

»