
Performance Evaluation of Refrigerants with High Temperature Glide - Measurements and Design Guidelines

Project Number 23-04

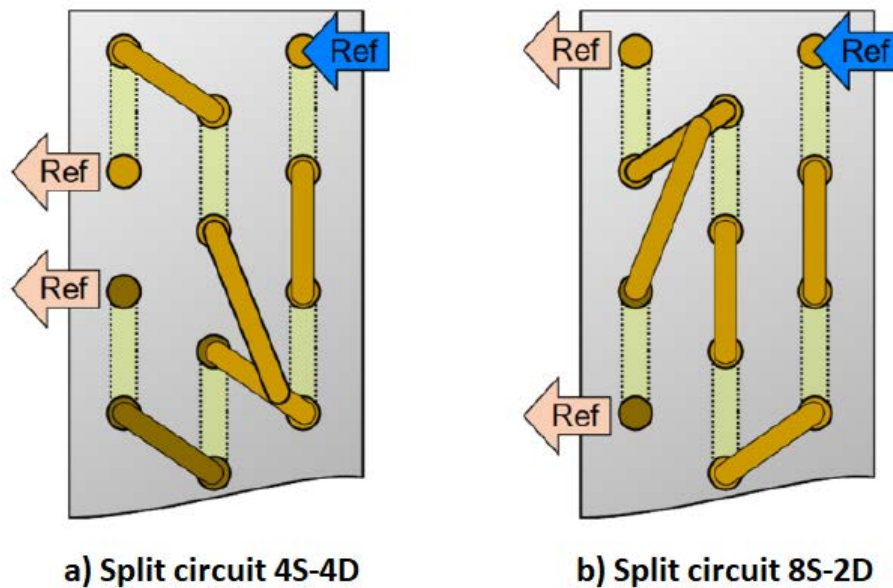


Figure : Application of split circuits with varying split location (a, b) to optimize heat transfer to pressure-drop tradeoff.

PROJECT TEAM:

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Goal

Improve the ratio of pressure drop vs. heat transfer of fin tube heat exchangers by adjusting elemental circuitry design using splitters

Outcomes/Deliverables

This project will deliver performance data for fin-tube HXs with low-GWP refrigerants, validation of CIBS XFIN heat exchanger model, and design guidelines for low-GWP zeotropic fluid HXs