



Refrigeration





ASHRAE

REFRIGERATION

Whether it's improving the work setting in an office building to increase productivity or providing guidelines for emerging technologies, ASHRAE Research helps engineer the world we live in, creating better indoor and outdoor environments around the globe.

This would not be possible without the individuals and organizations that have chosen to support ASHRAE's vision with their financial contributions. To continue our progress, we need your support as well. To make a donation to ASHRAE Research, please visit www.ashrae.org/contribute.



ASHRAE has a long history of refrigeration,

setting the first standard tonnage basis of refrigeration and writing the first safety code for refrigeration. The Society's work in refrigeration has continued since those early years with continued strong interest in promoting the use of safe, environmentally friendly, naturally occurring refrigerants.

ASHRAE RESEARCH GOALS

- Facilitate use of natural and low global warming potential synthetic refrigerants and seek methods to reduce refrigerant change

A FEW CURRENT RESEARCH PROJECTS

- Ventilation Requirements for Refrigerating Machinery Rooms
- Balancing Latent Heat Load between Display Cases and Store Comfort Cooling
- Characterization of Liquid Refrigerant Flow Emerging from a Flooded Evaporator Tube Bundle
- Gas-liquid Absorption Phenomena in Microchannels- Application to next Generation, High Performance Absorption Refrigeration Systems
- Thermal-Fluid Behavior of Mixed Refrigerants for Cryogenic Applications
- Guide for Sustainable Refrigeration Facilities and Refrigeration Systems
- Effect of Unsaturated Fluorocarbon Contaminates on the reliability and performance of HVAC&R Equipment



ASHRAE is an international technical society that fulfills its mission of advancing heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.

Questions?

Please contact the RP Staff:
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