



ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers

Shaping Tomorrow's Environment Today

About ASHRAE



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- ASHRAE, founded in 1894, is a global society **advancing human well-being through sustainable technology for the built environment.**
 - The Society and its members focus on building systems, energy efficiency, indoor air quality, **refrigeration** and sustainability within the industry.
 - Through **research, standards writing, publishing and continuing education,** ASHRAE shapes tomorrow's built environment today.
 - ASHRAE was formed as the American Society of Heating, Refrigerating and Air-Conditioning Engineers by the merger in 1959 of American Society of Heating and Air-Conditioning Engineers (ASHAE) founded in 1894 and The American Society of Refrigerating Engineers (ASRE) founded in 1904.

.....About ASHRAE



- In 2012, as part of a rebranding, ASHRAE began doing business as “ASHRAE” vs. using its full legal name of the American Society of Heating, Refrigerating and Air-Conditioning Engineers.
- Use of ASHRAE reflects the Society’s worldwide membership and that services will continue evolving globally.
- ASHRAE is a very well structured society comprising of
 - **56,000 members**
 - **227 Chapters**
 - **from over 132 nations,**

ASHRAE'S Mission and Vision



- **Mission:**

To advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world.

- **Vision**

ASHRAE will be the global leader, the foremost source of technical and educational information, and the primary provider of opportunity for professional growth in the arts and sciences of heating, ventilating, air conditioning and refrigerating.

ASHRAE Falcon Chapter



- The ASHRAE Falcon Chapter (AFC) with more than 500 members (Engineers, Architects, Researchers, Academicians, Technicians and Students) is one of the most active chapters in ASHRAE Region-at-Large and is committed to the achievement of technical quality and excellence in all our programs, courses and other activities.
- The chapter was inaugurated on December 7th, 2003. It covers UAE & Oman regions.

Resources for Members



- Standards and Guidelines

- Hand Books

 - Refrigeration 2018

 - Fundamentals 2017

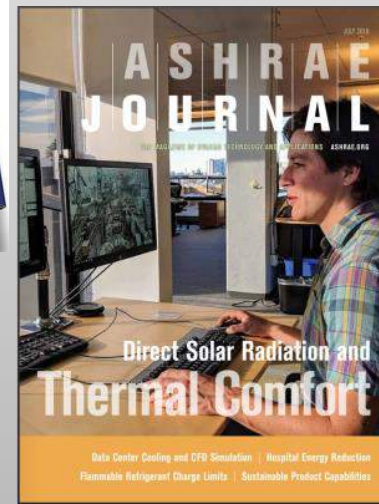
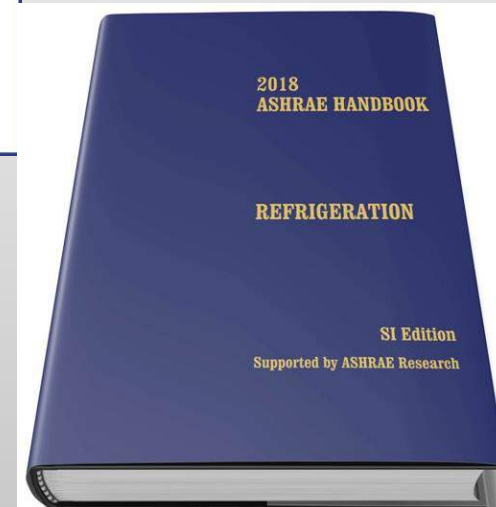
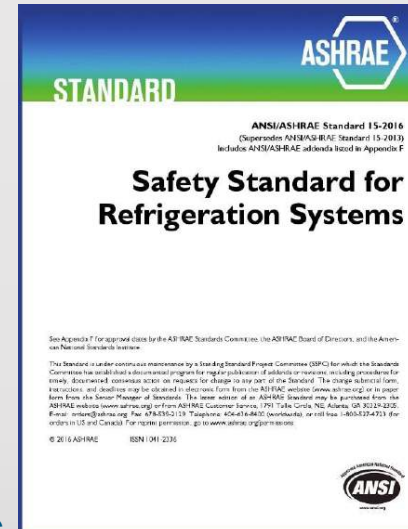
 - HVAC Systems and Equipment 2016

 - Applications 2015

- ASHRAE Journal

- Books

- Charts



Education and Training



eLearning Center

ASHRAE offers web-based training through its redesigned eLearning portal?

ASHRAE offers attractively priced course packages and libraries on a variety of HVAC&R subject areas

ASHRAE Learning Institute

Instructor-Led Training - offers a wide range of professional development seminars and short courses.

ASHRAE also offers [training for companies or chapters](#)

- Individual Courses

- 91 Courses to cover various subjects i.e.
 - Refrigeration System Parameters and Performance
 - Building Controls
 - Compressors
 - Basis of Sustainable Design
 - Commissioning

- Course Packages

- 22 Packages to cover various subjects i.e.
 - AC and Refrigeration Principles
 - Building Performance
 - Electrical System design
 - Energy Standard For Buildings
 - Refrigerants

Global Training Center for Building Excellence



- ASHRAE established the Global Training Center for Building Excellence to create and deliver regularly scheduled high-quality curricula based training that is conveniently available and relevant to the needs of practitioners in the Middle East & North Africa (MENA).
- Located in Dubai, UAE, the center is the first ASHRAE training center established outside of Society Headquarters in Atlanta, Georgia, USA.
- Trainings offered in the center are customized and scalable, accounting for climate, culture, suppliers, energy sources, prices, codes and construction practices for the MENA region. The center's instructors are practicing engineers familiar with HVAC&R complexities of the Middle East.
- Contact Ayah Said: +971 4 309 7945, globaltrainingcenter@ashrae.org

ASHRAE Research



Since 1960, ASHRAE has sponsored research studies at universities and research firms.

The results of these studies have been used to prepare chapters in the ASHRAE Handbook series; as foundational material in special publications; in the formulation of standards; to train university students as they prepare for service in the HVAC&R industry; and to spread the knowledge gained through presentation at Society Conferences and publication in ASHRAE Transactions or conference proceedings.

ASHRAE currently has 59 active research projects.

The total value of these projects is \$10.6 million.

Average cost: \$159,696

Since 1959, ASHRAE has sponsored 907 projects with a combined value of \$76 million.

ASHRAE Certification



ASHRAE certification programs were founded to meet industry need and today provide value to 1,000s of built-environment professionals, employers and building owners.

For the past 100+ years ASHRAE has worked hard to earn and maintain a worldwide reputation for being the leader in HVAC&R design.

ASHRAE certification programs:

- Are developed by industry practitioners who understand the knowledge and experience that are expected for superior building design and system operation
- Assure employers and clients of subject mastery
- Serve as a springboard for continued professional development
- Offer an easy-to-apply process
- Allow non-native English speakers additional testing time

Various ASHRAE Certification Programs



CHD (Certified HVAC Designer
HVAC Design)

HBDP (High-Performance Building Design Professional
Certification) High Performance Building Design

BCXP (Building Commissioning Professional Certification)
Commissioning

HFDP (Healthcare Facility Design Professional)
Healthcare Facility Design

BEAP (Building Energy Assessment Professional
Certification)
Energy Assessment

OPMP (Operations & Performance Management Professional
Certification) Building Operations

BEMP (Building Energy Modeling Professional Certification)
Energy Modeling

ASHRAE Conference & AHR Expo



ANNUAL CONFERENCE -

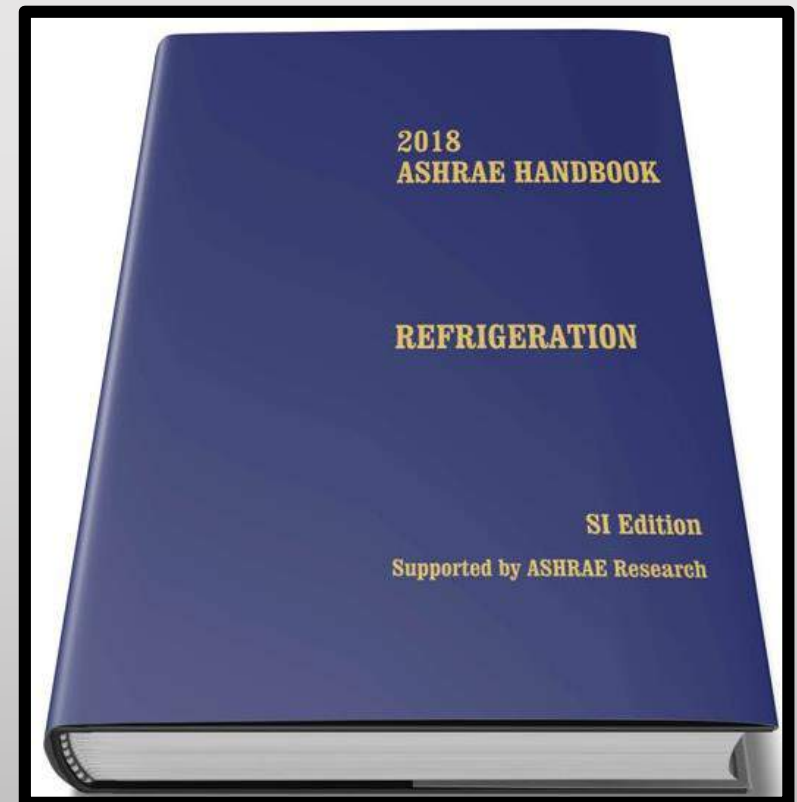
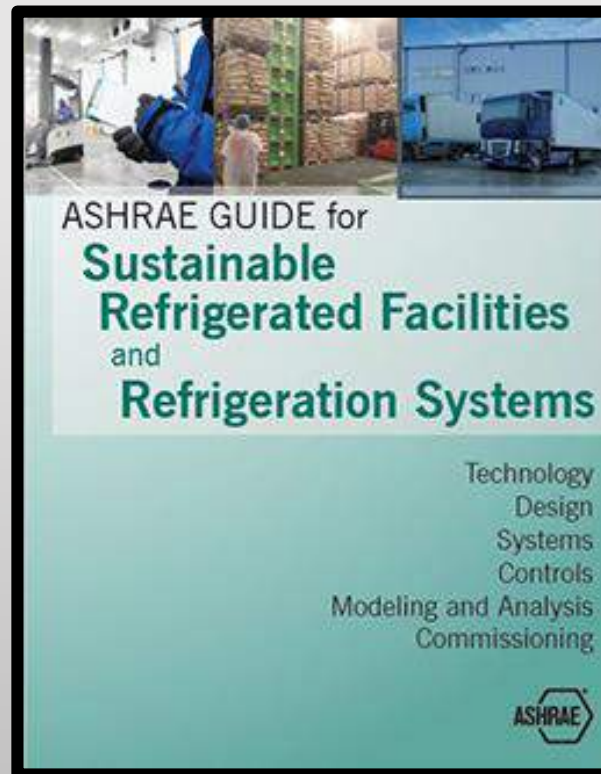
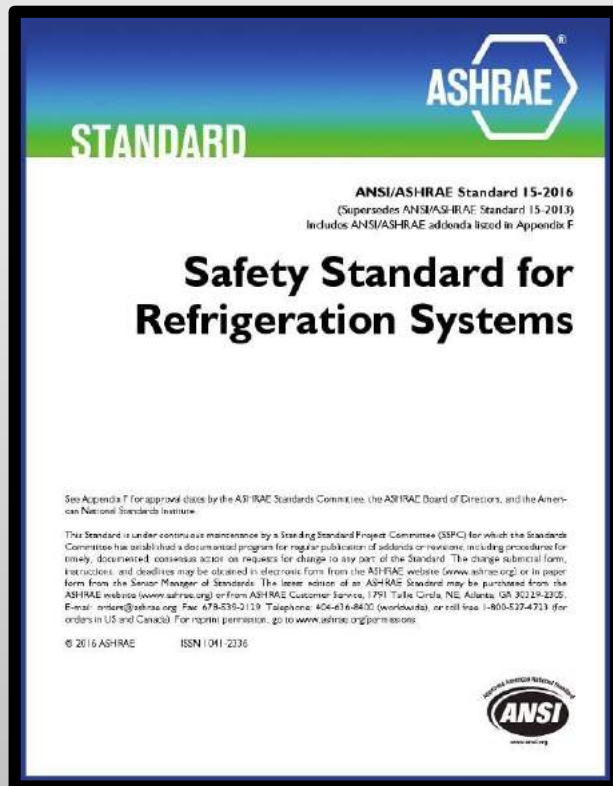
WINTER CONFERENCE

AHR Expo

TOPICAL CONFERENCES

- 2019 Buildings XIV International Conference
- 2019 ASHRAE Building Performance Analysis Conference
- 7th International Conference on Energy Research & Development
- **Chapters Regional Conferences (CRCs)**

ASHRAE Publication & Book Store





.....Book Store

- **ASHRAE Hand-Book**
 - Print Edition
 - Online edition
 - PDF Download
- Design Guide and Tools
- APPLICATION GUIDES, OPERATING GUIDANCE AND PROCEDURES
- EDUCATIONAL TEXTS AND TRAINING
- ADVANCED ENERGY DESIGN GUIDES
- JOURNALS, PROCEEDINGS, COLLECTIONS AND HISTORY
- PSYCHROMETRIC CHARTS AND RESOURCES
- SOFTWARE AND DIGITAL DATA



Would you like to Become a Member of ASHRAE !!!

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