What is ashrae in hvac



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ASHRAE is an international society of heating, refrigerating and air-conditioning professionals. Founded in 1894, ASHRAE is dedicated to 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.

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.

The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE /'ae?re?/ASH-ray) is an American professional association seeking to advance heating, ventilation, air conditioning and refrigeration (HVAC& R) systems design and construction. ASHRAE has over 50,000 members in more than 130 countries worldwide.

ASHRAE"s members are composed of building services engineers, architects, mechanical contractors, building owners, equipment manufacturers" employees, and others concerned with the design and construction of HVAC& R systems in buildings. The society funds research projects, offers continuing education programs, and develops and publishes technical standards to improve building services engineering, energy efficiency, indoor air quality, and sustainable development.[3]

ASHRAE was founded in 1894 at a meeting of engineers in New York City, formerly headquartered at 345 East 47th Street, and has held an annual meeting since 1895.[4] Until 1954 it was known as the American Society of Heating and Ventilating Engineers (ASHVE); in that year it changed its name to the American Society of Heating and Air-Conditioning Engineers (ASHAE).[5] Its current name and organization came from the 1959 merger of ASHAE and the American Society of Refrigerating Engineers (ASRE).

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Despite having "American" in its name, ASHRAE is a global organization,[6] holding international events.[7][8] In 2012, it rebranded itself with a new logo and tagline: "Shaping Tomorrow"s Built Environment Today".

The ASHRAE Handbook is a four-volume resource for HVAC& R technology and is available in both print and electronic versions. The volumes are Fundamentals, HVAC Applications, HVAC Systems and Equipment, and Refrigeration. One of the four volumes is updated each year.

ASHRAE also publishes a set of standards and guidelines relating to HVAC systems and issues, that are often referenced in building codes and used by consulting engineers, mechanical contractors, architects, and government agencies.[9][10] These standards are periodically reviewed, revised and republished.

Examples of some ASHRAE Standards are:

The society also publishes two magazines: the ASHRAE Journal is issued monthly, and High Performing Buildings Magazine is published quarterly. They contain articles on related technology, information on upcoming meetings, editorials, and case studies of various well-performing buildings.[13]

ASHRAE also publishes books, ASHRAE Transactions, and the International Journal of HVAC& R Research.

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