

The EPA has established the phase out of the HCFC R-22 which began in 2003 and eliminates production or importing beginning in 2020. However, equipment manufacturers must phase out the use of HCFC R-22 in new units by January 1, 2010.

Manufacturers are already building systems that utilize R-410A. These newly designed R-410A systems employ thicker walled tubing, and compressors capable of withstanding the higher pressures of R-410A. R-410A systems require different installation and service procedures.

R-410A air conditioning systems require service personnel to shift to different tools and equipment, safety standards and fundamentals when installing, changing out (retrofitting) older split A/C systems, and repairing systems in the field.




The AC&R Safety Coalition, a group formed to address various safety issues within the air conditioning and refrigeration sectors of the HVAC/R industry. Coalition members include RSES, the Esco Institute, Ferris State University, HVAC Excellence, the Indoor Air Quality Association, ITE, Bacharach, and the United Association of Journeymen and Apprentices of the Plumbing and Pipe Fitting Industry of the United States and Canada (UA).

R-410A PROGRAM AVAILABLE AT



 809 Omni Blvd
Newport News, VA 23606

 757-651-1007

 vtacademy.com

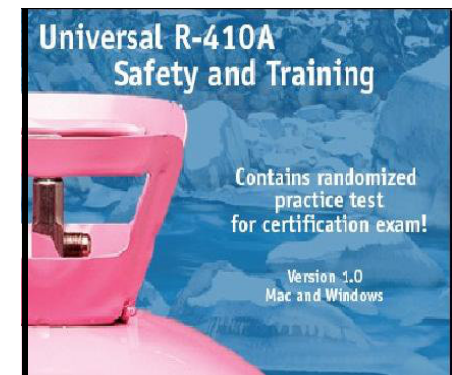
R-410A IS HERE TO STAY

Know the Facts:
Keep You and Your
Customers Safe!



More manufacturers are building air conditioning equipment using HFC R-410A.

It is important that you understand the safe handling, proper charging, operating characteristics, proper applications, and general use of R-410A refrigerant.

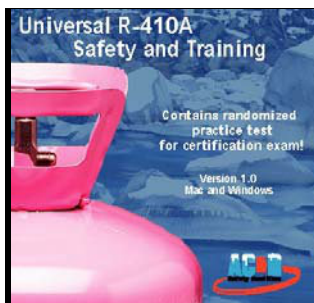


R-410A:

- Should only be used in equipment specifically designed and constructed for higher pressure refrigerants.
- Operates at considerably higher pressures and requires the use of special tanks, gauges and recovery equipment.
- Requires training of installation and service personnel in the proper and safe handling of R-410A.
- Needs service personnel to understand why all refrigerant flow controls, valves and driers have changed and must be properly applied with newly designed & built compressors.

Many equipment manufacturers are well aware of the concerns and safety issues of working with R-410A and other HFC refrigerants and are requiring installation and service professionals who purchase their R-410A systems to be R-410A Certified.

Do not be denied your opportunity to work on current and future equipment because you did not opt to get certified.



R-410A Safety Training & Certification:

In order to prepare Air Conditioning Professionals for the challenges presented by R410A, we have teamed up with the some of the premier organizations of our industry to form the AC&R Safety Coalition.

The AC&R Safety Coalition members include: Ferris State University, Indoor Air Quality Association, Refrigeration Service Engineers Society (RSES), Esco Institute, HVAC Excellence, Industrial Technical Excellence, Bacharach, and the United Association of Journeymen and Apprentices of the Plumbing and Pipe Fitting Industry of the United States and Canada (UA).

The Coalition, has developed a training and certification program that will prepare you for the challenges of R-410A.

Successful test takers will receive a wall certificate, a wallet sized certification card and an embroidered shoulder patch issued by HVAC Excellence.

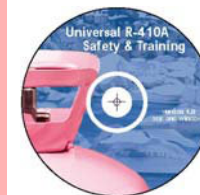
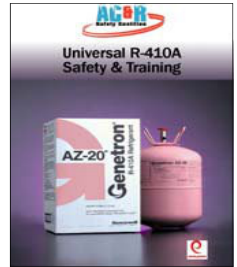
With your AC&R 410A Certification you can show evidence of your professional ability to safely handle and work with this new generation of refrigerants and air conditioners.

How To Prepare For Certification:

Preparing for the Universal R-410A Safety Certification, is easy. Either read the Universal R-410A Safety and Training Manual, or view the Universal R-410A Safety and Training Interactive CD-ROM.

Training Manual:

This book will provide you with the necessary training and practical knowledge to safely perform service on systems containing R-410A and R-407C. In addition, this manual includes information on: the R-22 phase-out, appropriate refrigerant and oil applications, service techniques, as well as safe handling of R-410A.



Interactive CD-Rom:

This CD reviews the book chapter by chapter in a interactive manner.

The CD breaks R-410A training into categories each with specific sub topics. Each category contains practice questions to help persons to successfully prepare for their R-410A Certification.