

Ductless Mini-Split Heat Pump Training Course

Description

The Ductless Mini-Split Heat Pump Training Course at KVCC is designed to provide professionals working in the HVAC or Electrical industries with further knowledge regarding the installation, service and operation of mini-split heat pumps on the market today.

Audience

HP1 010 Ductless Mini-Split Heat Pump Training Course

This course is designed for licensed heating or HVAC technicians and licensed electricians who want to further their knowledge of mini-split heating and cooling systems.

Course

Contact Hours

HP1 010

Ductless Mini-Split Heat Pump Training

40

Course Description

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This course will involve the basics of refrigeration cycle theory and how the cycle can produce heating and cooling. Along with these basic theories, there will be a hands-on lab component involving installing, servicing, and troubleshooting these state-of-the-art mini-split heat pump systems. Students will experience hands-on installation, service, and maintenance of single ductless mini-split heat pump units. Other topics include: industry accepted installation and maintenance practices, basic introduction to the electrical/electronic components, mechanical operation of system components, and safe work practices involved in the installation of these units. Mini split heat pumps are designed to supplement conventional heating and cooling systems currently on the market today.

Prerequisites:

Must be:

- EPA 608 Refrigerant Certification (Universal or Small Appliances), or attend KVCC's EPA 608 Certification Course

And have:

- At least one year of experience in the electrical or HVAC industry

Students to provide the following tools and safety Items:

Flaring Tool	Tubing Cutter
Adjustable Wrenches (2)	Tape Measure
Multi Screwdriver	Voltmeter
Wire Stripper	Clamp-on Ammeter
Safety Glasses	Torch Striker
¼" Flare Union	Closed toe shoes
3/8"x1/4" Flare Union	5/16"x1/4" 410a Hose Adapter
Access Valve/Core Removal Tool 5/16"	2-1/4" Flare Nuts
-[Appion MGAVCR or equivalent item]	Angle Ball Valve 0 5/16" swivel FF x ¼"MF
	-[Yellow Jacket Part#93825

Optional Items:

Micron Gauge	Swedging Kit ¼" and 5/8" sizes
Vacuum Pump	Mapp Tank and Tip or Brazing Torch Kit
Refrigerant Scale	R-410a Rated Gauge Manifold Set