HVACR
Heating, Ventilation, Air Conditioning and Refrigeration

CONTEST DATE & LOCATION: Refer to the Kansas State Championship Conference Packet

PURPOSE: To evaluate each contestant’s preparation for employment and recognize outstanding students for excellence and professionalism in heating, ventilation, air conditioning and refrigeration.

ELIGIBILITY: Open to active SkillsUSA members enrolled in programs with heating, ventilation, air conditioning and refrigeration as the occupation objective.

CLOTHING REQUIREMENT: Unless the contest chair says otherwise, students are required to wear the Official SkillsUSA Kansas T-shirt and blue jeans (no tears, holes, or bagginess) clean and neat with appropriate shoes for contest, or Official SkillsUSA khaki work shirt and pants attire.

* Safety glasses with side shields or goggles. (Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.)

Official SkillsUSA khaki work shirt and pants attire

NOTE: The Official Kansas State T-shirt will be mailed to schools prior to the competition.
HVACR CONTEST SCHEDULE:
Each event station will be approximately one hour long.

Students will be evaluated by the following station areas:
- Furnace Fundamentals
- Refrigeration Trainer
- Brazing Station
- AC Fundamentals
- Vendor recognition and support
- Written Tests
  - Student will be given a HVACR Written Test
  - Students will be given a SkillsUSA Professional Development written test

Students are required to bring a one-page resume

Students are required to wear official dress for competition, see clothing requirements

Tools required to be brought to the contest by contestants:
- Volt Ohm Meter
- Amp Meter
- Assorted screwdrivers
- Nut drivers
- 3/8” Swaging Tool
- 3/8” Flaring Tool
- Tubing Cutter
- Wiping Cloth
- Steel rule or measuring tape
- Tubing Bender
- Basic Hand Tools
- All PPE: Safety Glasses/Gloves
- Oxy Acetylene Torch kit with two full bottles
- Refrigerant reclaim machine 410a capable
- 5cfm or smaller vacuum pump
- 3/8’ tube bender, swing or cross bow style is fine

NOTE: All of the above items will need to be marked and labeled with identifiable markings.