

# 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.

## KANSAS STATE CHAMPIONSHIPS (KSC) CONTEST UPDATE



### HVACR CONTEST SCHEDULE:

Each event stations 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.