

HVACR

Heating, Ventilation, Air Conditioning and Refrigeration

CHAIR: Justin Frank, Kruse Corporation

CO-CHAIR: ---

CONTEST DATE: April 26, 2018

CONTEST LOCATION: Hutchinson Community College ITC 108/103

CONTEST TIME: 1:00 pm – 5:00 pm

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 tares, holes, or bagginess) clean and neat with appropriate shoes for contest or Official SkillsUSA white polo shirt with black dress slacks, black socks and black leather shoes.

** 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 Kansas T-shirt attire

Official SkillsUSA khaki work shirt and pants attire



2018 KANSAS STATE CHAMPIONSHIPS (KSC) CONTEST UPDATE



CONTEST UPDATES:

Students will be evaluated by the following areas:

- Brazing
- Refrigeration Troubleshooting
- Refrigerant and Air Measurements
- Electrical Troubleshooting – Air Conditioning
- Refrigeration System: Electrical Troubleshooting
- Refrigerant Procedures
- Electrical Troubleshooting – Heating
- Brazing Safety Seminar
- Geothermal Performance Measurements
- Students will be given a 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:

- 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

Stations to be covered:

- Written Exam
- Furnace Operation
- Air Conditioners
- Solder + Braze
- Refrigeration
- Execution of service tickets