SkillsUSA Minnesota

2020 State Contest

HVAC-Refrigeration
Contest Date: Saturday, April 4th, 2020, 8:00am-4:00pm (approximately)
Contest Location: Minneapolis Pipefitters JATC
6200 Lakeland Ave. North
Brooklyn Park, MN 55428
Do not arrive before 7:45am—Students/Advisors please enter doors marked Student Entry.
Contestant Orientation will be held in the Break Room.

Resume: Contestants must submit a one-page resume which will be turned in during the written test portion.

Arrival: The contestant orientation will begin at 8:00 am sharp at the contest facility. No one will be able to enter or participate in the contest if they arrive late.
After 8:00am, no conversations between contestants and advisors, other contestants or spectators will be tolerated. Conversation at contest stations will only be allowed at the station chairman’s discretion.

Clothing Requirement and Appearance Standards:
- Proper work attire is required
- No ragged, torn, or excessively loose clothing
- No identifying markings from your school is allowed on any clothing, including hats for the duration of the contest
- Work shoes preferred
- Safety glasses must be worn at all times in the shop area
- No electronic devices are allowed during the contest (cell phones may be collected and returned at the end of the contest)

Contestants must provide:
- Safety glasses
- Gloves
- V.O.M. meter
- Pencil or Pen
- Basic Hand Tools
- Copper fabrication tools: Tube cutter, flaring tool, swaging tools, hammer, marker, tape measure or rule, de-burring tool.
- Manifold gauge set R22 only

There will be 8 hands-on stations plus one written test and resume required:

Hands on Stations -
- Troubleshoot Carrier furnace
- Troubleshoot Hoshisaki or Scotsman Ice Machine
- Troubleshoot Commercial Freezer
- Troubleshoot Carrier Central AC System
- Mechanical Refrigeration Procedure
- Troubleshoot Roof-Top System
• Copper Fabrication - 1 ½ hours
• Airflow Measurement

Refer to the **Technical Standards for 2019-2020** for contest preparation.

Lunch will be served to contestants at the station site.

**Reminders:**
No Manuals or Handbooks, will be allowed during the contest!
Advisors: please be prepared to help with various student and host sites needs during the contest.