



The Refrigerator Training System (KR-102) is designed for the skill training of a refrigerator, including refrigerator circuit constructing, system processing, and copper tube welding. Modified from an actual refrigerator, KR-102 is installed with safety plug and terminals. In addition, for welding and refrigeration process exercises, the system consists of 3 low pressure manual valves and 1 high pressure manual valves.

### List of Experiments

1. Copper processing
  - Pipe cutting
  - The tube flaring making
  - The tube overlap making
  - Bended tube
  - Sealed tube
2. Copper tube welding
  - Specifying a location where a tube welding method is chosen
  - Tube welding methods: silver soldering, brazing, aluminum welding
  - Practicing tube welding with and without nitrogen flowDevices required for tube welding: oxyacetylene, Soldering Guns, hydroxide flame (not included in the system)
3. System processing of refrigerators
  - Exercises of processing the refrigerant, including pressurized leak detecting, pressure stabilizing, vacuum making, and refrigerant filling.
4. Circuit processing
  - Testing of electrical components
  - Circuit connecting and inspecting
5. Testing for the running of the refrigerator
6. The equipment complies with the "Taiwan Refrigerating & Air-Conditioning Skills Test Standard"

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