

HVAC TESTING EQUIPMENT

Surface Calorimeter

Test your heat exchanger capacities and/or refrigerant properties in these state-of-the-art, temperature-controlled chambers. Our Calorimeters are not limited to testing fluid to air heat exchangers, you can also add the capability to test fluid to fluid exchangers.

These surface calorimeters utilize temperature-controlled chambers to control the air temperature over the heat exchangers. The calorimeter offers control over parameters such as ambient temperature and humidity, test piece air flow, compressor speed, discharge pressure, condenser inlet temperature, expansion device inlet temperature, suction temperature, heater core inlet temperature, pressures and flows, etc.

Key Benefits:

- The calorimeter is supplied with a fully automated computer data acquisition and control system and will deliver heat balance between fluids for any test falling within $\pm 2\%$ of the average coil capacity with a repeatability of $\pm 1\%$

Applications and Test Types:

- Automotive heat exchanger testing
- HVAC heat exchanger testing
- Refrigerant properties testing
- New product development
- Radiators
- Condensers
- Evaporators
- Heat cores
- Oil coolers
- Charge air coolers
- Tube surfaces
- Chilled water coils
- Capacity ranges up to 1,100 KW



Specifications:

- Type of test pieces
 - Charge air coolers
 - Condensers
 - Evaporators
 - Heater cores
 - Intercoolers
 - Oil coolers
 - Radiators
 - Transmission coolers

