

The only
Fully Operational
Geothermal Trainer
in the Field

GEOHERMAL TECHNOLOGY



Hampden[®]
ENGINEERING CORPORATION





Hampden **H-GTL-1** Geothermal Trainer
 Hampden **Model H-GTL-1** Geothermal Trainer provides hands-on training by allowing students to conduct tests and adjustments on a modern Geothermal Heat Pump.

- The **H-GTL-1** Geothermal Trainer is equipped with:
1. Exclusive double isolation compressor mounting system
 2. Extended range operation (20°F to 120°F)
 3. Exceeds ASHRAE 90.1 efficiencies
 4. Internally trapped condensate drain line
 5. Unit Performance Sentinel performance monitoring system

Hampden **H-GTL-2** Geothermal Trainer
 Hampden **Model H-GTL-2** Geothermal Trainer provides hands-on training by allowing students to conduct tests and adjustments on a modern Geothermal Heat Pump.

- The **H-GTL-2** Geothermal Trainer is equipped with:
1. Exclusive double isolation compressor mounting system
 2. Insulated divider and separate compressor/air handler compartments
 3. Extended range operation (20°F to 120°F)
 4. Exceeds ASHRAE 90.1 efficiencies
 5. Internally trapped condensate drain line
 6. Unit Performance Sentinel performance monitoring system



2. Insulated divider and separate compressor/air handler compartments
3. Extended range operation (20° to 120°F)
4. Exceeds ASHRAE 90.1 efficiencies
5. Condensate drain pan
6. Unit Performance Sentinel performance monitoring system

Specifications

The **H-RST-20** Geothermal Trainer consists of the following:

- Geothermal Heat Pump Components (water-to-water)
- Microprocessor Control
- TXV Valve
- E-coated Air Coils
- Compressor
- Two-stage 24V Heating/Cooling Thermostat
- Mobile Frame
- Instruction Manual and Text Book

The following components shall be mounted on mobile frame:

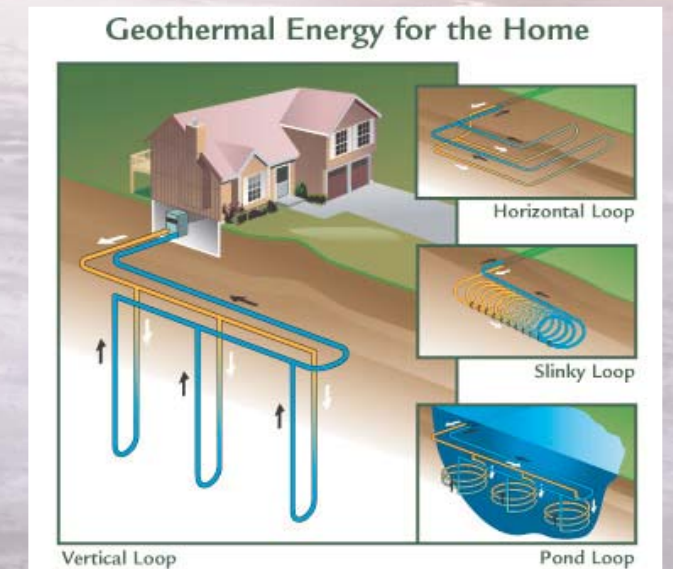
- Compressor
- Electric Pressure Control (2)
- Filter Drier
- Sight Glass
- Condenser
- Evaporator
- Control Panel
- 24V Two-Stage Heating/Cooling Thermostat
- Power Cord
- Water Supply Tank with Pump
- Water Storage Tank with Pump



H-RST-20 - Rear View



Hampden **Model H-ACTK-23** Geothermal Trainer Kit
 Includes: compressor, cap and clamp kit, electric pressure control (2), contactor, transformer, filter drier, sight glass, evaporator and condenser.



OPTIONAL COOLING TOWER



The Hampden **MODEL H-ACTK-CT** Cooling Tower Trainer allows for continuous operation increasing the size of the ground water cooling source.

Can be used as an option for The Hampden Model H-GTL-1 Geothermal Trainer or the Hampden Model H-RST-20 Geothermal Trainer.

Specifications

- Pump 1/2 HP
- High Pressure Switch
- Float Valve

Services Required

208/220V/AC Single Phase



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