

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's **Model H-RST-20** Geothermal Trainer provides hands-on training by allowing students to conduct tests and adjustments on a modern Geothermal Heat Pump System.

The **H-RST-20** 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° 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 **H-GTL-2** Geothermal Trainer

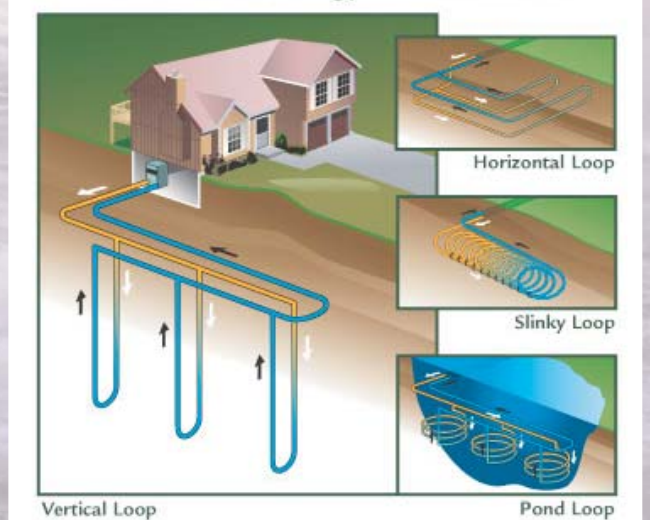
Hampden **Model H-GTL-2** Geothermal Trainer provides hands-on training by allowing students to conduct tests and adjustments on a modern Geothermal Heat Pump.

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



Geothermal Energy for the Home

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.

Standard Products...Designed to Meet Your Growing Needs!

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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