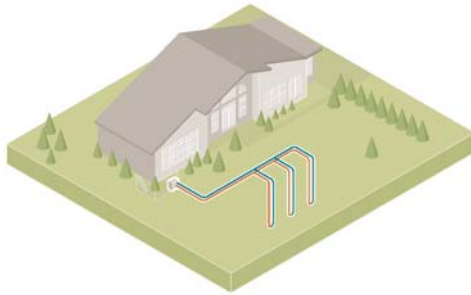


Geothermal Residential Distributor Training

This course is designed to teach Wholesale Distributors "How to Train HVAC Contractors" to Design, Sell and Service geothermal heating and cooling systems.

Class Topics:

- Residential Applications, Design and Software Training
- Residential Installation and Service Troubleshooting
- Residential Loop Applications, Design and Installation
- Residential Piping Fusion Certification



TRAINING DATES

ClimateMaster
October 6-8, 2009

OEM
October 13-15, 2009

TRAINING COST

\$2,000 per student
Optional: \$600 fusion kit

TRAINING LOCATION

ClimateMaster
7300 SW 44th Street
Oklahoma City, OK 73179

TRAINING TOOLS

With standard class registration, you will receive:

- Hotel accommodations
- Transportation to and from the hotel
- Meals
- Technical Training Instructor Kit
- Instructor MS Power Points
- Pressure Gauge, 2 P/T Adapters, Hydrometers,
- Student Training Kit
- Control Box Trainer & ASPK Repair Kit
- Various Handout/Component Examples

Optional: Fusion Tool Kit

CONTACT

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REGISTRATION

www.climatemaster.com

Training Agenda

Day One

Objective: Familiarization of Software Tools: GeoDesigner, Pressure Drop Calculation and Sales Proposal.

7:00 – 7:45 AM	Continental Breakfast – Hotel
7:45 – 8:00 AM	Meet at Hotel Lobby for Transport to CM Factory
8:00 – 8:10 AM	Welcome and Introduction of CM Staff -
8:10 – 9:00 AM	Plant Tour
9:00 – 9:10 AM	Review of Today's Objective & Agenda
9:10 – 12:00 PM	Load and Activate GeoDesigner from web site - Describe GeoDesigner activation Process
	Run GeoDesigner Job Sizing Analysis
	<ul style="list-style-type: none">• Job Information• Load Input Information• Utility Information Rates/Data Base• System Comparisons<ul style="list-style-type: none">• Fossil Fuel w AC• Total Geothermal• Dual Fuel Geothermal• Reports<ul style="list-style-type: none">• Comparison Report• Geothermal Report• Fossil Fuel Report• Dual Fuel Geothermal Report• Bin Graph• Saving Job Analysis

12:00 – 12:30 PM Lunch



12:30 - 2:00 PM	GeoDesigner Analysis – continued
2:00 – 2:10 PM	Break – 10 minutes max.
2:10 – 3:00 PM	GeoDesigner Analysis – continued/finalize
3:00 - 4: 00 PM	Pressure Drop Calculation software <ul style="list-style-type: none"> • How to Load from the Internet • Familiarize & Overview • Run Analysis • Save Job File
4:15 – 4:50 PM	Sales Proposal software <ul style="list-style-type: none"> • How to Load from CD • Familiarize & Overview • Save Job Files
4:50 – 5:00 PM	Review and Re-cap today’s training –
5: 00 – 5:15 PM	Return to Rooms & Meet in the Hotel Lobby
5: 30 – 5:50 PM	Travel to dinner
6:00 – 8:00 PM	Dinner
8:00 – 8:30 PM	Travel back to Hotel

Day Two

Objective: Familiarize Students with Instructors Tools: Instructors Manual Material, Student Training Binders, Service & Installation Microsoft® PowerPoint, Student Certificate Printing

7:00 – 7:45 AM	Continental Breakfast – Hotel
7:45 – 8:00 AM	Meet at Hotel Lobby for Transport to CM Factory
8:00 – 8:10 AM	Prior day Q&A -
8:10 – 8:20 AM	Review of Today’s Objective & Agenda
8:20 – 10:30 AM	Discuss Student Class Room Setup and Requirements Instructor Manual Overview Review Student Training Binder <ul style="list-style-type: none"> • Table of Contents • Review Tabs – verify proper books • Review Product Specification Catalog • Review IOM manuals Package/Split
10:30 – 10:40 AM	PowerPoint Review - Service & Installation Training <ul style="list-style-type: none"> • Geothermal Basic Overview • Unit Pre-installation Overview • Basic Refrigeration Cycle Overview
10:40 – 12:00 PM	Break – 10 minutes max. PowerPoint Review – Service & Installation (continued) <ul style="list-style-type: none"> • Unit Performance Verification • Hot Water Generator • CXM & ECM2 Controls and Troubleshooting • Auxiliary Heaters
12:00 - 12:30 PM	Lunch
12:30 – 2:00 PM	PowerPoint Review – Service & Installation (continued) <ul style="list-style-type: none"> • Well Water Systems and Closed Loops
2:00 – 2:10 PM	Break – 10 minutes max.



2:10 – 3:00 PM	PowerPoint Review – Service & Installation (continued)
Product	Overviews
	<ul style="list-style-type: none"> • Packaged Products • Split Unit Products/Line Sets/Coils • Accessories & Warranties
3:00 – 3:30 PM	Review S & I Student Exam
3:30 – 4:15 PM	Review & Re-cap today's training
4:15 – 5:30 PM	Return to Rooms & Meet in the Hotel Lobby
5:30 – 5:50 PM	Leave Hotel Lobby to travel dinner
6:00 – 8:00 PM	Dinner
8:15 – 9:50 PM	Travel back to Hotel

Day Three

Objective: Familiarize Students with Instructors Tools: Instructors Manual Material, Student Training Binders, Loop Design PowerPoint, GeoDesigner software, Pressure Drop Calculation software, Fusion Tools and Testing Process, Student Certificate & Fusion Card Printing

7:00 – 8:00 AM	Continental Breakfast – Hotel
8:00 – 8:10 AM	Meet at Hotel Lobby for Transport to CM Factory Training Lab Room – 2 nd Floor
8:10 – 8:20 AM	Review of Today's Objective & Agenda
8:20 – 8:30 AM	Discuss Student Class Room Setup and Requirements
	Instructor Manual Overview
8:30 - 9:30 AM	Review of Loop Training Book
	GeoDesigner Workbook – Site Plan
9:30 – 10:30 AM	PowerPoint Review – Loop Design Training
	<ul style="list-style-type: none"> • Closed Loop Design Benefits & Theory • Review of Loop Types • Review of Loop Piping & Layouts
10:30 – 11:30 AM	Break – 10 minutes max
	PowerPoint Review – Loop Design Training
	<ul style="list-style-type: none"> • Review of Freeze protection • Review Flushing & Loop Commissioning
11:30 AM - Noon	GeoDesigner software review
	<ul style="list-style-type: none"> • Job Analysis
Noon – 12:30 PM	Lunch
12:30 – 2:00 PM	Pressure Drop Calculation software
	<ul style="list-style-type: none"> • Review program & use • Review pipe sizing • Review pump sizing • Review Fluid Volumes and Antifreeze Calculation • Review Flushing Requirements
2:00 – 2:10 PM	Break – 10 minutes max.
2:10 – 2:30 PM	Review Fusion Procedures
2:30 – 3:00 PM	Review Fusion Tools & Use
3:00 – 4:30 PM	Conduct Fusion Training & Testing
4:30 - 4:45 PM	Fusion Written Test - Grading
4:45 – 4:50 PM	Review Student Certificate & Fusion Card Printing Process
4:50 – 5:00 PM	Review & Re-cap Today's Training
5:00 PM	Photo's & Press Release - End of Training