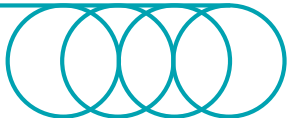


2010 Catalog

Loop Field Products and Accessories

January 1, 2010

1-800-572-7831
www.eagle-mt.com

GEOMax
Geothermal
HVAC Systems 
by EAGLE MOUNTAIN

Product Overview

Eagle Mountain understands that reducing installation time is essential for successful geothermal installations. Our product line is designed to save time in design, purchasing, and at the job site. Designed for installers, our products are based on years of experience in the field. Please allow our experience to serve your business.

GeoSlinky

Ready for installation, a GeoSlinky is 1000 feet of 3/4" HDPE SDR-11 geothermal tubing configured into overlapping circular loops 34" in diameter, with an 18" pitch.

Geothermal systems designed with GeoSlinky loops save installation time and require much less area as compared to straight pipe horizontal loops. A 1,000' GeoSlinky delivers 18,000 BTUH and requires a trench 140' long and 3' wide.

Completed GeoSlinky loops are rolled into GeoBalls for transportation. Different color tie wraps are used to secure the GeoBalls, allowing installers to cut those ties on-site and unroll the GeoBalls directly into the trench. GeoBalls measure approximately 40" in width and 66" in diameter.



Loop Field Kits

GEOMAX loop field installation kits are available for horizontal, vertical, and pond applications. Our pre-engineered loop field kits can be incorporated into your system design—saving time from engineering to installation.



Loopfield Accessories

Eagle Mountain offers free shipping on all accessories with the purchase of a GeoSlinky. Accessories include glycol antifreeze, indoor piping, pipe insulation, geo piping, fusion couplings and fittings.

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Product Catalog

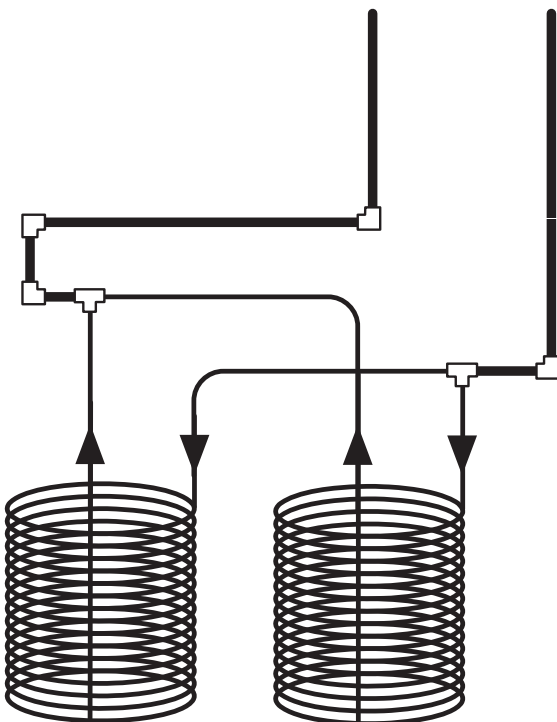
Horizontal Loop Field Kit

Horizontal loop field installation kits include either **GeoSlinky** loops or SDR-11 geothermal pipe coils, fusion couplings, tees, elbows, MPT adaptors, SDR-11 piping, PVC sleeves, and fernco fittings.

The standard kit includes 50' of supply and return piping. Accessories include indoor piping, pipe insulation, glycol, additional supply and return materials, spare fusion couplings and fittings.

Pre-assembled GeoSlinky loops or SDR-11 Coils are available as part of the horizontal loop field kit. Detailed installation instructions explain how to build a GeoSlinky at the job site.

An Eagle Mountain sales representative can suggest accessories based on individual project requirements. **Free shipping on all accessories with the purchase of a GeoSlinky.**



Horizontal loop field kits include all components required for installation and save installers valuable time at the job site.

Detailed schematics for each loop field configuration are available upon request.

Accessories include glycol, additional supply and return piping, indoor piping, pipe insulation, and spare couplings.

Eagle Mountain sales representatives can suggest appropriate accessories based on project requirements.

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Horizontal Loop Field Kit



HDPE SDR-11 Geo Pipe



Fusion Tee



MPT Adaptor



PVC Sleeve



Fusion Coupling



HDPE SDR-11 Geo Pipe
GeoSlinky or Coil



Fusion Elbow 90



Fernco Fitting

Size	Ground Loop	Flow Rate Minimum	Total Head Pressure	PN
3 Ton	Geo Slinky	6.8 gpm	27.30 ft	31102
4.5 Ton	GeoSlinky	10.2 gpm	29.49 ft	31103
6 Ton	GeoSlinky	13.6 gpm	32.75 ft	31104
7.5 Ton	GeoSlinky	17 gpm	37.26 ft	31105
9 Ton	GeoSlinky	20.4 gpm	30.24 ft	31206
10.5 Ton	GeoSlinky	23.8 gpm	31.05 ft	31207
12 Ton	GeoSlinky	27.2 gpm	32.30 ft	31208

Size	Ground Loop	Flow Rate Minimum	Total Head Pressure	PN
3 Ton	HDPE Coil	6.8 gpm	27.30 ft	31502
4.5 Ton	HDPE Coil	10.2 gpm	29.49 ft	31503
6 Ton	HDPE Coil	13.6 gpm	32.75 ft	31504
7.5 Ton	HDPE Coil	17 gpm	37.36 ft	31505
9 Ton	HDPE Coil	20.4 gpm	30.24 ft	31606
10.5 Ton	HDPE Coil	23.8 gpm	31.05 ft	31607
12 Ton	HDPE Coil	27.2 gpm	32.30 ft	31608

Free shipping on all accessories with the purchase of a GeoSlinky.



- Glycol Antifreeze
- Indoor Piping
- Pipe Insulation
- Additional Supply & Return

Please ask a sales representative for suggestions.

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Vertical Loop Field Kit

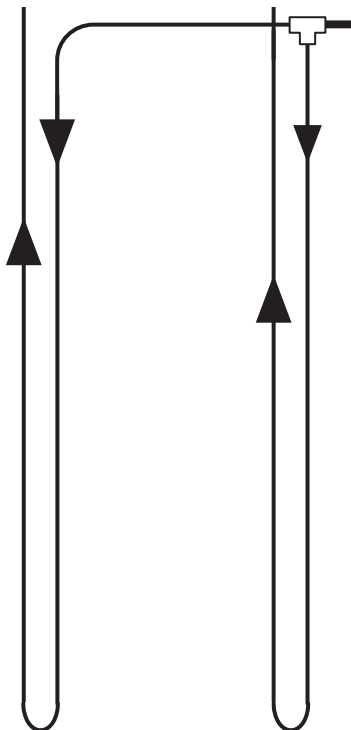
Vertical loop field installation kits are designed for 150' wells and include:

- ¾" x 170' U-tube
- HDPE SDR-11 Geothermal Pipe
- Fusion Couplings, Tees and Elbows
- MPT Adaptors
- PVC Sleeves and fernco fittings.



The standard kit includes 50' of supply and return piping. Accessories include indoor piping, pipe insulation, glycol, additional supply and return materials, spare fusion couplings and fittings.

See the product specification for a schematic and additional product details. Eagle Mountain sales representatives can suggest accessories based on individual project requirements.



Vertical loop field kits include all components required for installation and save installers valuable time at the job site.

Detailed schematics for each loop field configuration are available upon request.

Accessories include glycol, additional supply and return piping, indoor piping, pipe insulation, and spare couplings.

Eagle Mountain sales representatives can suggest appropriate accessories based on project requirements.

Vertical Loop Field Kit



3/4" x 1000' SDR-11 Geo Pipe U-Tube



Fusion Tee



Fernco Fitting



Fusion Elbow 90



Fusion Coupling



MPT Adaptor



PVC Sleeve



Geo Clip

Size	Ground Loop	Flow Rate Minimum	Total Head Pressure	PN
2 Ton	HDPE U-tube 170 ft	6.8 gpm	10.33 psi	31302
3 Ton	HDPE U-tube 170 ft	10.2 gpm	12.3 psi	31303
4 Ton	HDPE U-tube 170 ft	13.6 gpm	15.81 psi	31304
5 Ton	HDPE U-tube 170 ft	17 gpm	20.35 psi	31305
6 Ton	HDPE U-tube 170 ft	20.4 gpm	13.26 psi	31406
7 Ton	HDPE U-tube 170 ft	23.8 gpm	14.33 psi	31407
8 Ton	HDPE U-tube 170 ft	27.2 gpm	15.33 psi	31408

Free shipping on all accessories with the purchase of a GeoSlinky.





- Glycol Antifreeze
- Pipe Insulation
- Indoor Piping
- Additional Supply & Return

Please ask a sales representative for suggestions.

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Loop Field Accessories

Product	Description	PN
 1,000' GeoSlinky	GeoSlinky is 1000' of 3/4" HDPE SDR-11 geothermal tubing configured into overlapping circular loops 34" in diameter with an 18" pitch. One GeoSlinky delivers 1.5 tons or 18,000 BTUH.	31010
 Glycol	Glycol-100 Antifreeze 5 gal pail	Antifreeze
 Geo Pipe HDPE SDR-11	1 1/4" x 100' SDR-11 Geo Pipe	CP114100
	2" X 100' SDR-11 Geo Pipe	CP2100
	1 1/4" X 20' SDR-11 Gep Pipe	CP11420
	3/4" x 1000' SDR-11 Geo Pipe	CP341000
	3/4" x 170' U-tube (340') SDR-11 Geo Pipe	CP3430



Loop Field Accessories

Product	Description	PN
 Fusion Coupling	3/4" Coupling	YFPC44
	1 1/4" Coupling	YFPC66
	2" Coupling	YFPC88
	2" x 1 1/4" Coupling	YFPC86
 Tee	1 1/4" x 1 1/4" x 3/4"	YFPT664
	1 1/4" x 3/4" x 3/4"	YFPT644
 Fusion Elbow	1 1/4" Fusion Elbow 90	YFPE66
	2" x 2" MPT Adapter	YFPMA88
	1 1/4" x 1" MPT Adaptor	YFPMA65

Loop Field Accessories

Product	Description	PN
 PVC Sleeve	3" PVC Sleeve	ssleeve
 Pipe Insulation	2 3/8" Pipe Insulation	Insul238
 Fernco Fitting	3" x 1 1/4" Fernco Fitting 3" x 2" Fernco Fitting	1056-315 1056-32
 Zipties (Bag of 100)	11" Zipties Black 11" Zipties Natural	32090 32092
 Geo Clip	3/4" Geo Clip for vertical wells	GC-075

Loop Field Accessories

Product	Description	PN
 Flush Cart	Flush Cart	32100
 Fusion Kit	Fusion Tool Kit	32120

About Eagle Mountain



Our Mission:

"Eagle Mountain is committed to the design and application of eco-friendly products that reduce energy consumption to create a sustainable future for the earth while ensuring the comfort and satisfaction of our customers."



Eagle Mountain's Center for Green Technology--a 21,000 square foot building that only uses the energy equivalent of a regular 3,500 square foot home. It's what Eagle Mountain employees call home.

ABOUT US

Eagle Mountain provides alternative energy professionals with turn-key solutions to geothermal installations. Eagle Mountain's products include Geomax, geothermal HVAC systems, GeoSlinky Field Installation Kits, Hydronic Control Panels and radiant heating systems. Eagle Mountain is located at the Center for Green Technology in Bristol, NY.

For more information on Eagle Mountain's product and service offering please call 1-800-572-7831 to talk to a sales representative or visit us online at www.eagle-mt.com.

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