



Horizontal Ground Loop System

This type of design is cost effective on smaller projects or where there is sufficient space for the loop. Trenches, three to six feet deep, are created and a series of parallel plastic pipes are laid inside them. These loops are manifolded and connected to the heat pump. The fluid is then circulated, absorbing or rejecting heat to the earth depending on the mode of operation. A typical horizontal loop will be 400 to 600 feet long for each ton of heating and cooling but will vary according to the soil type and the layout of the piping.