



# GeoClips<sup>®</sup> (U-Bend Pipe Separators) Energy Flux Diagram

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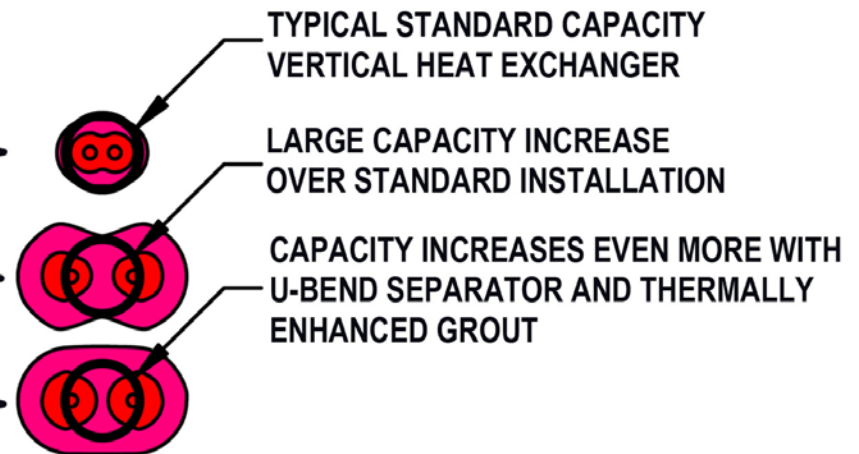
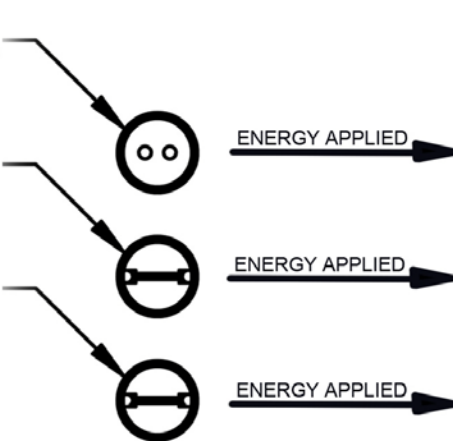
## VERTICAL HEAT EXCHANGER BOREHOLE CONFIGURATION

## RESULTING ENERGY EFFECTS BASED ON BOREHOLE CONFIGURATION

STANDARD U-BEND INSTALLATION  
STANDARD BENTONITE GROUT

U-BEND SPACER USED  
STANDARD BENTONITE GROUT

U-BEND BOREHOLE SPACER USED  
THERMALLY ENHANCED GROUT



TYPICAL STANDARD CAPACITY  
VERTICAL HEAT EXCHANGER

LARGE CAPACITY INCREASE  
OVER STANDARD INSTALLATION

CAPACITY INCREASES EVEN MORE WITH  
U-BEND SEPARATOR AND THERMALLY  
ENHANCED GROUT

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