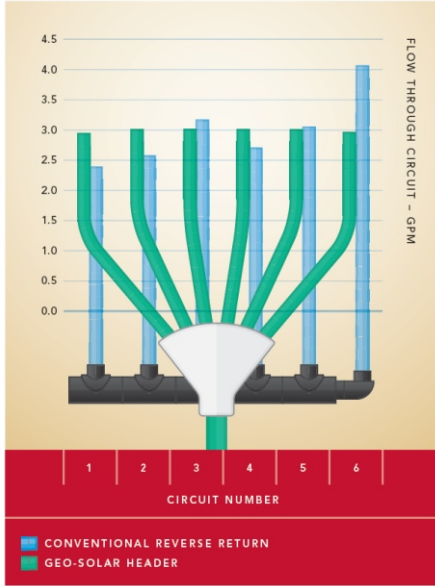


Geo-Solar Header Technical Specifications

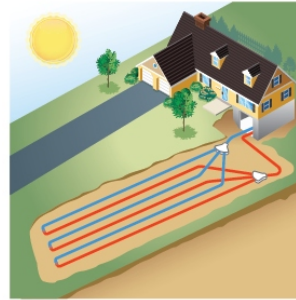
Geo-Solar Headers are designed to meet or exceed ASTM standards

Uniform Flow Characteristics

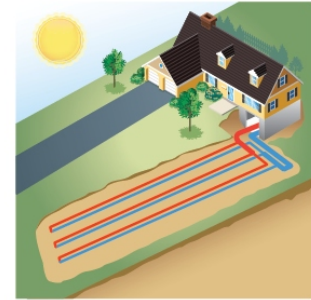
The uniform flow characteristics of the Geo-Solar Header design eliminate the need for "reverse return" loop scenarios. Any outlet on the outbound header can be looped to any inlet on the inbound header.



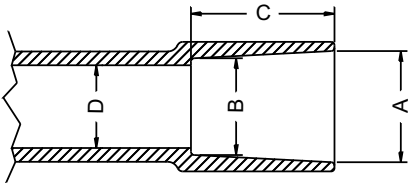
ADVANCED LOOP WITH HEADER



CONVENTIONAL REVERSE LOOP



Socket Sizes



Nominal Pipe Size - in.	A	B	C	D
	Socket Entrance Diameter	Socket Bottom Diameter	Socket Depth	Inside Diameter
	in. (mm)			
3/4"	1.020 (25.91)	1.012 (25.70)	0.650 (16.51)	0.875 (22.23)
1-1/4"	1.620 (41.15)	1.612 (40.94)	0.900 (22.86)	1.400 (35.56)

Note: All dimensions meet or exceed ASTM D2683-04 standards for polyethylene pipe fittings.



NSF's Certification Program is accredited by the Standards Council of Canada



NSF's Certification Program is accredited by the American National Standards Institute



HEADER

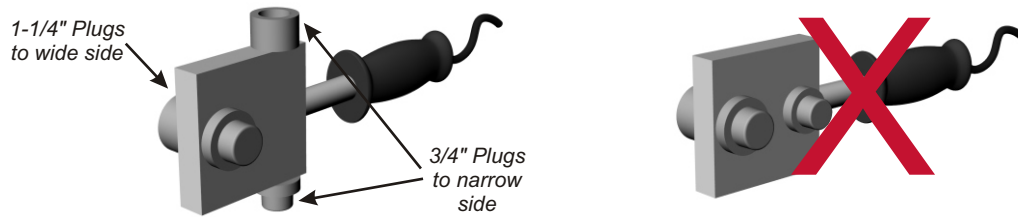
GEO-SOLAR ENERGY PRODUCTS

Geo-Solar distributors call 1-877-GEO-7899 (1-877-436-7899) or visit geosolarproducts.com for more details or to order.

Technical Specifications Cont'd

Geo-Solar Headers are designed to meet or exceed ASTM standards

Fusing Iron Configuration:



Socket Configurations:



3-Way Fitting



4-Way Fitting



5-Way Fitting



6-Way Fitting

Pipe Class Designations:

PE100, PE4710, PE3408

Material Specifications:

Resin - HDPE PE100
Density - .959 g/cm²
Flex Modulus - 150,000 psi
Tensile strength @ yield - 3500 to >4000 psi

Fuseable with:

PE100, PE4710, PE3408

Note: See "Fusing Iron Configuration" above for fusing plug arrangement.

Fusion Conditions:

HDPE should be fused at 500-520°F (260-270°C)
The faces should be checked for proper temperature
Fusion tool needs to be kept clean at all times

- 3/4" IPS Heating time 6-8 seconds

Holding time 60 seconds

Cure time 10 minutes

- 1 1/4" IPS Heating time 16-18 seconds

Holding time 60 seconds

Cure time 10 minutes

Certifications:

ASTM, NSF
Conformance and Hydrostatic Burst testing



HEADER

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