



Submittal Data

Geo-Booster



Project Name:
 Contractor:
 Engineer:
 Part Number: AFCG1BT
 Additional Information:

Description

The *Geo-Booster* is an active loop pressurization system that maintains a minimum loop pressure of 35 psig, and eliminates issues associated with low pressure in closed-loop geothermal ground loops. The *Geo-Booster* includes a pump with a built-in pressure switch factory set at 35 psi, and a check valve to prevent back-flow into the reservoir. The sealing cap ensures a closed system, prevents loop fluid evaporation, and provides vacuum relief allowing the fluid to be pumped from the reservoir.

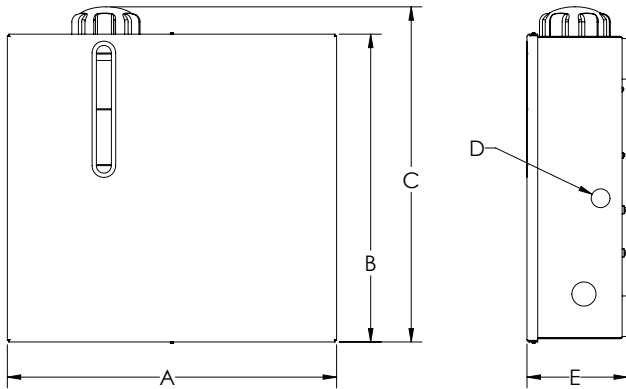
Specifications and Dimensions

Cabinet: Powder Coated Steel
 Tank: High Density Polyethylene
 Pump: Self-priming, Permanent Magnet Motor, 12Vdc, Polypropylene body, Built-in pressure switch; Switching, Enclosed, Input: 85-264Vac, 1.3A max, 47-63 Hz; Output: 12Vdc, 5A, 60W;
 Power Supply:
 Fuse: 4A, Fast Acting, 5x20 mm
 Valves/Fittings: Brass

Approved Antifreeze

Ethanol/Water
 Methanol/Water
 Propylene Glycol/Water

Max. Fluid Temp.: 110° F
 Operating Temp: 14° F to 140° F
 Operating Humidity: 10 to 95% (non- condensing)



Electrical

Voltage	115 V	230 V
Standby Amps	30 mA	15 mA
Running Amps	270 mA	135 mA

	A	B	C	D	E	WEIGHT	
Inches	15-3/8	14-3/8	15-5/8	7/8	4-5/8	LBS	KG
CM	39	36.4	40	2.2	11.9	17.1	7.8

Tank Volume	
Gallons	Liters
1	3.8

Installation

The *Geo-Booster* includes approximately nine feet of flexible 3/8" braided poly hose, two 1/4" brass nipples, one 1/4" brass tee, one 1/4" brass ball valve, one 3/8" brass hose barb x 1/4" MPT, two hose clamps, and two 1/4" lag screws. The *Geo-Booster* can be plumbed into any point of the loop but is preferably located at the lowest pressure point in the system which is normally the return pipe from the ground loop just before the circulator pump. The *Geo-Booster* should be installed by approved personnel as required by local, state, and/or national codes.



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