

Glycol Heat Trace Module for PowerGen



Qnergy

Reliable Remote Power

Glycol Heat Trace

The Glycol Heat Trace (GHT) feature allows for the waste heat from the Stirling engine to be used by the customer. A plate heat exchanger is used to separate the engine coolant and the GHT media. The GHT media is circulated using a rotary vane pump on a variable speed motor. The PowerGen monitors the supply and return temperatures of the GHT media and adjusts the units operation to match the heat load and meet the return temperature set point.



Features

- Up to 73,000 BTU/HR of heat available*
- No external power supply required
- User selectable return temperature
- User settable maximum supply temperature
- Supports up to 2,100ft of heat trace length*
- Integrated glycol reservoir and strainer
- Externally visible glycol level indicator
- Ideally suited for remote locations
- Remote monitoring of supply/return temperatures and system health with email notifications available
- Externally accesable ON/OFF toggle switch with indication of pump operating
- Adjustable pump speed
- Support Modbus TCP/IP monitoring and control

Canadian Distribution by

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GHT Module Specifications	
Return Setpoint Temperature range:	77°F - 131°F
Supply limit temperature range:	122°F - 175°F
Maximum 1/2" tube length*	2100 ft.
Adjustable Flow rate	.5 - 2.2 GPM
Fluid Reservoir - working volume	1.5 gl.
Supply Maximum pressure	220 PSI
Heat Trace Interface	1/2" NPT Female
Ambient operating temperature	-40°F - 104°F
Coolant Filter	SST 100 mesh (150 micron)
Glycol Content Range	Up to 50% vol. glycol content

* Dependant on return temperature and electrical power load. See graph for further details.



Heat Output to Return Setpoint

PowerGen 1200 / PowerGen 5650

