The Model 1500 Thermoelectric Generator is Class 1, Div 2 hazardous area rated. With no moving parts, it is a reliable, low maintenance source of DC electrical power for any application where regular utilities are unavailable or unreliable.

**KEY DESIGN FEATURES:**
- Automatic Spark Ignition (SI)
- Automatic Fuel Shut-Off (SO)
- Fuel Filter
- Low Voltage Alarm Contacts (VSR)
- CSA Certification
- Reverse Current Protection
- Class 1, Div 2, Group D, Temp T3
- Volt & Amp Meter
- Flame Arrestor

### Power Specifications
- **Power Rating at 20°C:**
  - 500 Watts @ 24 Volts

### Electrical
- **Output Adjustment Range:**
  - 24 V 24–30 Volts
  - Terminal block which accepts up to 00 AWG wire. Opening for two 3/4” conduit in base of cabinet.

### Fuel Requirements
- **Natural Gas:**
  - 48.0m³/day (1695 Sft³/day)
  - 1000 BTU/Sft³ (377 MJ/Sm³) gas
  - max 115 mg/Sm³ (~170 ppmw) H₂S
  - max 120 mg/Sm³ H₂O
  - max 1% free O₂
- **Propane:**
  - n/a at this time

- **Max. Supply Pressure:** 172 kPa (25 psi)
- **Min. Supply Pressure:** 103 kPa (15 psi)
- **Fuel Connection:** 1/4” MNPT

### Environmental
- **Ambient Operating Temperature:**
  - Max. +45°C (115°F)
  - Min. -40°C (-40°F)

### Construction
- **Materials:**
  - Cabinet: 316 Stainless Steel (SS)
  - Cooling Type: Natural Convection
  - Fuel System: Aluminum & Stainless Steel

**Note:**
Specifications shown are for standard 1500 configurations. Gentherm Global Power Technologies (GPT) also offers customized products and systems to accommodate custom voltages, fuel supply systems and operating temperatures.

Specification data stated in this document is subject to change without notice. To verify these specifications are current, please contact your GPT sales representative.

Phone: 403 236 5556
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OPENING FOR 3/4" CONDUIT 24 VDC CUSTOMER LOAD, TERMINAL ACCEPTS UP TO 00 AWG WIRE

MOUNTING LEGS (OPTIONAL)

FUEL SUPPLY 1/4" FNPT CONNECTION AT GENERATOR

NOTES:

Generator Weight: 700 kg [1530 lb]  Model: 1500

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