



**HEATING
BLANKETS
FOR LPG
TANKS**

HEATING BLANKETS FOR LPG TANKS



APPLICATION AREA

Heating blanket ATEX II 3G certified, is designed for maintaining the desired temperature of the tanks containing gas mixtures of propane and butane, mainly, for domestic and industrial use. Butane is freezing at 0°C remaining inoperable on the tank bottom, inconvenience that could be solved by using of the heating blanket produced by Thermal Technology.

NO HARMFUL ELECTROMAGNETIC EMISSIONS

OPERATIONAL FEATURES

The heating blankets are available in several dimensions in order to be installed on tanks with different capacity, it is necessary to use from 2 up to 5 heaters per tank (see the table). The elements must be applied on the bottom of the tank, and the heating side must adhere well to it. For a secure lock of the system it is necessary to be used the Velcro straps of the blanket and a metallic bar with the length of the tank (not included). Each heating blanket is equipped with double thermostatic control of 60°C and a safety fuse of 75°C.

CARBON FIBER

Carbon fiber is flexible, does not oxidize, does not produce harmful electromagnetic fields during electricity flow, has no dimensional variations as the temperature changes nor deterioration of ohmic values. No wearing and no maintenance required. Its high resistivity permits significant energy savings.



HEATING BLANKET INSTALLED ON A TANK

TANK CAPACITY (l/U.S. gal)	HEATING BLANKET QUANTITY	VELCRO CLOSURE BANDS
1000/264.17	2	2
1750/462.30	2	2
3000/792.52	3	3
5000/1320.86	5	5

STRATIFICATION

Stratification starting from outside layer:

- Siliconized aramid tissue.
- 3 layers of insulation with fireproof materials.
- Metallic grid with earthing.
- Carbon Fiber resistors with polyolefin insulation.
- Siliconized aramid tissue.

TEMPERATURE CONTROL

Double safety thermostat of 60°C. Safety fuse of 75°C.



Protection against explosions



Operational in gas explosive environments



Protection modality (EN 50019 increased safety)



Gas Group



Temperature class (Max. 135°C)

MODEL	POWER SUPPLY	POWER	PROTECTION DEGREE	TEMPERATURE CONTROL	CABLE (cm/in)	DIMENSIONS (cm/in)
TI_SERB_GAS	230 Vac 50/60 Hz	400 W	IP67	Double safety thermostat of 60°C. Safety fuse of 75°C	Cable HO7RN-F lenght 4,00/157.48 .with industrial plug 2R+T 16A (IP44) with fire retardant device	180/70.87x44/17.32

CONFORMITY



This product is manufactured in conformity with the electrical safety standards set by Low Voltage Directive 2014/35/EU. This product is in conformity with Electromagnetic Compatibility Directive 2014/30/EU, concerning the standards for electromagnetic emissions.

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