



**HEATING
BLANKET
FOR
CONICAL
TANKS**

HEATING BLANKET FOR CONICAL TANKS



APPLICATION AREA

Heating blankets with electronic control for maintaining the temperature of the tanks with conical shape, in situations when the content, representing liquid or viscous chemical or alimentary products, must be heated or the temperature maintained. The product is divided in 3 distinct parts, each powered autonomously in order to maintain a constant temperature of all the tank wall.

NO HARMFUL ELECTROMAGNETIC EMISSIONS

OPERATIONAL FEATURES

The heating system is composed of 3 distinct parts (see the table) which are assembled after installation, are made of fireproof and/or self-extinguishing materials, each having a safety thermostat of 90°C. Two electronic controllers perform temperature control, one for inferior and conical sections, and another for superior section of the tank. The application on the tank is realised by aim of elastic tensioners with Velcro straps. Electric connection between conical and inferior section is realised by aim of connector with 5 poles, and between inferior and superior section by aim of 3 pole connector.

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.



INFERIOR PART OF THE HEATER



CONICAL PART OF THE HEATER

SECTION VIEW OF HEATING BLANKET FOR TANKS OF 1.000 L (264.17 U.S. GAL)

CODE	DESCRIPTION	DIMENSIONS (cm/in)	CONNECTIONS	POWER
TI_100288	Superior part	325/127.95x57/22.44	Connectors	820 W
TI_100290	Inferior part	325/127.95x57/22.44	Cable H07/Plug Connectors	820 W
TI_100289	Conical part	On demand	Connectors	640 W

SECTION VIEW OF HEATING BLANKET FOR TANKS OF 950 L (250.96 U.S. GAL)

CODE	DESCRIPTION	DIMENSIONS (cm/in)	CONNECTIONS	POWER
TI_100288	Superior part	325/127.95x57/22.44	Connectors	820 W
TI_100290	Inferior part	325/127.95x57/22.44	Cable H07/Plug Connectors	820 W
TI_100291	Conical part	On demand	Connectors	560 W

STRATIFICATION

Stratification starting with outside layer:

- White aramid tissue, 2nd class.
- Double layer of insulation coated by reflecting aluminium.
- Carbon Fiber resistors inserted between two layers of adhesive corrugated aluminium.
- Resin coated polyester tissue, grey colour.

TEMPERATURE CONTROL

The heater is equipped with 3 safety thermostats of 90°C. Two electronic controllers are equipped with NTC 10K probe for temperature control.

MODEL	POWER SUPPLY	POWER	PROTECTION DEGREE	TEMPERATURE CONTROL	CABLE (cm/in)	DIMENSIONS (cm/in)
TI_TANK_CON_1000	230 Vac 50/60 Hz	2280 W	IP67	Thermostat of 90°C Two electronic controllers with NTC10K probe	Power cord cable H07 Length 1000/393.70 with industrial plug	See the table
TI_TANK_CON_950	230 Vac 50/60 Hz	2200 W	IP67	Thermostat of 90°C Two electronic controllers with NTC10K probe	Power cord cable H07 Length 1000/393.70 with industrial plug	See the table

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.