




**THERMAL
TECHNOLOGY**
CARBON FIBER HEATING



**HEATING
BLANKET
FOR DRUMS**

HEATING BLANKET FOR DRUMS



APPLICATION AREA

The heating blankets with electronic control are designed to maintain the necessary temperature of cans and drums. The heater is indispensable in all those industry sectors where the solidified content of the drum must be heated and maintained at desired temperature (for example chocolate, resins, adhesives) and viscous liquids (oils, honey, marmalade, paints), liquid or gaseous, with exception of combustible gas. The heating blankets can be combined with circular bottom heater for drums made by Thermal Technology (code PEFU.B).

NO HARMFUL ELECTROMAGNETIC EMISSIONS

OPERATIONAL FEATURES

The product is available in 4 sizes (see the table). Wrap the heater around the drum or can, the heating part must be oriented to the container, and fix it using elastic tensioners with Velcro closure. Each heating blanket is equipped with electronic controller. NTC probe for temperature detection of the content is available on demand, code TI_S.A.000, not compatible with TI_F.D.C00.

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 AND TO BE INSTALLED, WITH ELECTRONIC CONTROLLER EMBEDDED

STANDARD DIMENSIONS

| CODE | DIAMETER MIN/MAX (cm/in) | HEATING WALL (cm/in) | | POWER |
|------------|-----------------------------|-----------------------|----------|--------|
| | | Length | Height | |
| TI_F.A.C00 | 28/11.02 - 35/13.78 | 90/35.43 - 112/44.09 | 42/16.53 | 440 W |
| TI_F.B.C00 | 35/13.78 - 43/16.93 | 112/44.09 - 135/53.15 | 42/16.53 | 660 W |
| TI_F.C.C00 | 48/18.90 - 56/22.05 | 150/59.05 - 175/68.90 | 42/16.53 | 880 W |
| TI_F.D.C00 | 57/22.44 - 65/25.59 | 186/73.23 - 205/80.71 | 60/23.62 | 1500 W |



COD. TI_S.A.000 - INOX BAR WITH NTC TEMPERATURE PROBE LENGTH 50 cm (19.68 in) COMPATIBLE WITH TI_F.A/B/C



T 602
ELECTRONIC
CONTROLLER

HEATING BLANKET
CODE TI_F.D.C000 WITH
ELECTRONIC CONTROLLER T602

STRATIFICATION

Stratification starting with outside layer:

- Polyester tissue.
- 2 layers of insulation with felt and reflective aluminium sheet.
- Carbon Fiber resistors.
- Silicone coated aramid tissue.

TEMPERATURE CONTROL

Equipped with safety thermostat of 90°C. By aim of an embedded electronic controller, managing the activation and deactivation of the heater, it is possible to set the temperature from 0°C to 90°C. For the model with code TI_F.D.C000 it is foreseen an electronic controller T602 which can be connected using IP68 connector.

| MODEL | POWER SUPPLY | POWER | PROTECTION DEGREE | TEMPERATURE CONTROL | CABLES AND CONNECTORS | DIMENSIONS |
|-------|------------------|----------------------|-------------------|---|---|-----------------|
| TI_F | 230 Vac 50/60 Hz | From 440 W to 1500 W | IP65 | Thermostat/embedded electronic controller (T602 electronic controller for TI_F.D.C.000) | Power cable of 3,00/118.11 with 16A industrial plug (IP68 connector for TI_F.D) | (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.