



  
**THERMAL  
TECHNOLOGY**  
CARBON FIBER HEATING



**HEATING  
BLANKET  
FOR DRUMS  
ATEX II 3G  
CERTIFICATION**

# HEATING BLANKET FOR DRUMS ATEX II 3G CERTIFICATION



## APPLICATION AREA

Heating blankets, with direct connection to the outlet, are designed for maintaining the temperature of cans and drums, indispensable in all those industry sectors where the solidified content must be heated or temperature maintained, with the aim to prevent the liquids from freezing or the gas from liquefaction. Maximal temperature of the heating blanket is 60°C. ATEX II 3G certified.

## NO HARMFUL ELECTROMAGNETIC EMISSIONS

## OPERATIONAL FEATURES

Heating blankets are available in 3 standard dimensions (see the table), they should be wrapped around the can or drum with heating side facing the container, than blocked by aim of tensioners with Velcro closure. Each heating blanket is equipped with double bimetallic thermostat of 60°C and safety fuse.

## 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.



VIEW OF HEATING BLANKET AND  
TENSIONERS WITH VELCRO CLOSURE

## STANDARD DIMENSIONS

CODE	DIAMETER MIN/MAX (cm/in)	HEATING SIDE (cm/in)		POWER
		Length	Height	
TI_F.A.TA0	28/11.02 - 35/13.78	90/35.43 - 112/44.09	42/16.53	440 W
TI_F.B.TA0	35/13.78 - 43/16.93	112/44.09 - 135/53.15	42/16.53	660 W
TI_F.C.TA0	48/18.90 - 56/22.05	150/59.05 - 175/68.90	42/16.53	880 W

## STRATIFICATION

Stratification starting with outside layer:

- Aramid tissue.
- 2 layers of insulation made of felt with reflective aluminium sheet.
- Metallic grid with earthing.
- Carbon Fiber resistors.
- Aramid tissue.

## TEMPERATURE CONTROL

Bimetallic double thermostat of 60°C and safety fuse.



Protection against  
explosions

G

Operational in gas  
explosive environments

e

Protection modality  
(EN 50019 increased safety)

IIB

Gas Group

T4

Temperature class  
(Max. 135°C)

MODEL	POWER SUPPLY	POWER	PROTECTION DEGREE	TEMPERATURE CONTROL	CABLE (cm/in)	DIMENSIONS (cm/in)
T_F_TAO	230 Vac 50/60 Hz	from 440 W to 880 W	IP67	Double thermostat of 60°C Safety fuse	Power cable length 3,00/118.11 with 2P+T plug of 16 A (IP44) and flame retardant device	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.

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