

UTFAN / UTMAX / TMAXL

Models as per catalogue: NTC - 0112

GROUP 2 - Heating elements for air

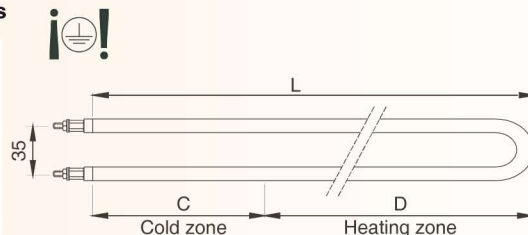
2.11 - Heating elements for ovens and furnaces

General characteristics

- Heating of air to:
 - 250 °C UTFAN models
 - 450 °C UTMAX and UTMAXL models
 - 600 °C UTMAXIN and UTMAXLIN models
- Minimum air speed for all models: 2 m/sec
- Tubular elements in stainless steel tube AISI 321 or 304L of Ø10 mm. In stock for the TMAX and TMAXL models, tubular elements in Incoloy®-800 of Ø10 mm
- Standard voltage ~230 V
- Option: Stainless steel crimped connector of M14x1,25 mm

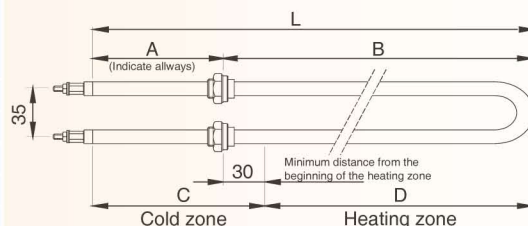
Option WITHOUT crimped connectors

Code	Dimensions in mm			Watts	W/cm ²	Tube material	Santi Escoin's constructive thermic class	Weight in Kg
	C	D	L					
UTFAN1	93	420	513	1000	3,9	AISI 321	T-700-T	0,45
UTMAX0,75	187	420	607	750	3,1	AISI 321	T-700-T	0,53
UTMAXL1,5	187	840	1027	1500	3	AISI 321	T-700-T	0,90
UTMAXIN0,75	187	420	607	750	3,1	ly®-800	T-850-T	0,53
UTMAXLIN1,5	187	840	1027	1500	3	ly®-800	T-850-T	0,90



Option WITH stainless steel crimped connectors of M14x1,25

Code	Dimensions in mm					Watts	W/cm ²	Tube material	Santi Escoin's constructive thermic class	Weight in Kg
	A (*)	B	C	D	L					
UTFAN1RI	73	440	93	420	513	1000	3,9	AISI 321	T-700-T	0,50
UTMAX0,75RI	167	440	187	420	607	750	3,1	AISI 321	T-700-T	0,58
UTMAXL1,5RI	167	860	187	840	1027	1500	3	AISI 321	T-700-T	0,95
UTMAXIN0,75RI	167	440	187	420	607	750	3,1	ly®-800	T-850-T	0,58
UTMAXLIN1,5RI	167	860	187	840	1027	1500	3	ly®-800	T-850-T	0,95



(*) Dimension A according to your order. You must indicate it in all the orders of this material. The maximum value of the dimension A is the value indicate in the table.

M8GRK

GROUP 2 - Heating elements for air

2.12 - Heating elements for ovens and furnaces

General characteristics

- Tubular elements in stainless steel tube AISI 321 or 304L of Ø10 mm, insulated with electromelted and lamination-compressed magnesium oxide
- Terminals BM4-P (Thread M4)
- Zinc-plated steel crimped connectors, thread M14x1'25 mm
- Standard voltage ~230 V

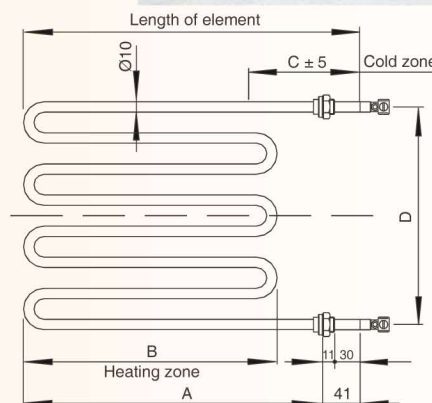
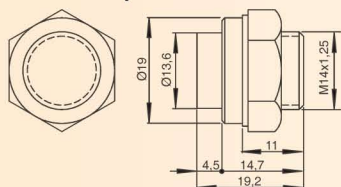
Applications

- Air conditioning
- Recirculated air heaters
- Static air heaters
- Black heat
- Textile industrial heating
- Trichloroethylene vapor reheating
- Shrink plastic ovens
- Ovens in general
- Dryers
- Air heaters
- Hot air convectors
- Chemical reactors



Code	Dimensions in mm				Length of element	Watts	W/cm ²	Santi Escoin's constructive thermic class	Weight in Kg
	A	B	C	D					
M8GRK1	250	236	100	170	291	1000	1,8	T-700-T	0,75
M8GRK1,5	251	237	100	175	292	1500	2,6	T-700-T	0,75

Dimensions of the M14x1'25 crimped connector



Relationship between the maximum atmospheric temperature of the furnace or oven in the heating element area (where a safety sensor should be installed) and the load of the heating elements in W/cm².

Consult our temperature regulator: pages 116, 117, 118 and 119 of this catalogue.

W/cm ²	Air at rest	Recirculated air at 1 m/sec. In heating element area	Recirculated air at 2 m/sec. In heating element area	Recirculated air at 3 m/sec. In heating element area	Recirculated air at 4 m/sec. In heating element area
1,8	450 °C.	500 °C	530 °C	560 °C	580 °C
2,5 to 3,1	350 °C.	380 °C	430 °C	470 °C	500 °C
4,1 to 4,7	Amb. Temp max. 80 °C.	175 °C	275 °C	340 °C	400 °C

Maximum ambiental temperature in heating element area

IMPORTANT NOTE: The atmospheric temperature inside the furnace or oven chamber will always be 25-350°C lower than in the heater element area depending on good air circulation, loads of material and frequency of loads.