General characteristics

- Tubular elements in stainless steel AISI 321 or AISI 304L Ø8 mm tube for the AL and ALEC range and Ø10 mm tube for ALG range.
- Aluzinc or aluminized sheet fin of 25x50 mm AL and ALEC and 40x70 mm for ALG range.
- Zinc-plated steel crimped connectors
- Standard voltage ~230 V
- Options:
  - All in stainless steel.
  - Round welded fin of Ø30 mm.
  - Helicoidal fin:
    * For Ø8mm tube: stainless steel hoop → Ø18, Ø24
      steel hoop → Ø23
    * For Ø10mm tube: st. steel hoop → Ø20, Ø26, Ø30
      steel hoop → Ø25, Ø30
  - To order, other diameters, lengths, power and voltages

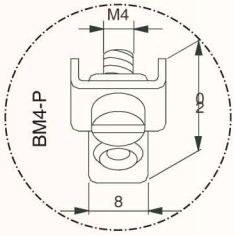
Particular characteristics for AL and ALG range

- Maximum temperature with v_{air} = 2 m/seg → 200 °C
- Maximum temperature without forced air (v_{air} = 0 m/sec.): 60 °C
- For working temperatures over 60 °C you need forced air.
- For working temperatures over 125 °C you need to isolate the connection terminals of the heating zone.

Description	Code (1)	Dim. A in mm	Watts	W/cm² (*)	Santi Escoin's constructive thermic class	Weight in Kg
Aluzinc or aluminized steel sheet fin of 25x50. AISI 321or 304L stainless steel Ø8 mm tube Zinc-plated steel M12x1,25 connectors (thread 8 mm long). Dim. C = 5 mm Dim. D = 25 mm	AL010	200	100	1,2	T-600-S	0,29
	AL012	200	150	1,8	T-600-S	0,29
	AL011	200	200	2,5	T-600-S	0,29

Description	Code	Dim. A in mm	Watts	W/cm² (*)	Santi Escoin's constructive thermic class	Weight in Kg
Aluzinc or aluminized steel sheet fin of 25x50. AISI 321or 304L stainless steel Ø8 mm tube Zinc-plated steel M12x1,25 connectors (thread 8 mm long). Dim. C = 5 mm Dim. D = 25 mm	AL001	260	500	4,5	T-700-T	0,38
	AL002	300	600	4,6	T-700-T	0,45
	AL003	370	750	4,6	T-700-T	0,54
	AL004	430	850	4,4	T-700-T	0,62
	AL005	500	1000	4,4	T-700-T	0,71
	AL009	620	1250	4,3	T-700-T	0,88
	AL006	740	1500	4,3	T-700-T	1,1
	AL007	970	2000	4,3	T-700-T	1,4
	AL008	1180	2500	4,4	T-700-T	1,5

Models	Code	Dim A in mm	Watts	W/cm² (*)	Santi Escoin's constructive thermic class	Weight in Kg
Aluzinc or aluminized steel sheet fin of 40x70. AISI 321or 304L stainless steel Ø10 mm tube Zinc-plated steel M14x1,25 connectors (thread 11 mm long). Dim. C = 5,5 mm Dim. D = 40 mm	ALG01	325	1000	5,3	T-700-T	0,84
	ALG02	470	1500	5,5	T-700-T	1,2
	ALG03	620	2000	5,4	T-700-T	1,6
	ALG04	760	2500	5,4	T-700-T	2,0
	ALG05	910	3000	5,4	T-700-T	2,4
	ALG08 (2)	1090	3333	5,3	T-700-T	2,9
	ALG06	1055	3500	5,5	T-700-T	2,8
	ALG07	1180	4000	5,4	T-700-T	3,2



(1) The finned heating elements range AL010, AL011 and AL012 are designed for electric cabinets and other applications with similar working temperature.

(2) Connection with BM6-S-L terminal (thread M6)

(*) W/cm² are calculated in respect of the element tube

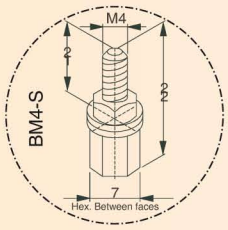
FINNED HEATERS WITH STAINLESS STEEL FINS AND CONNECTORS.

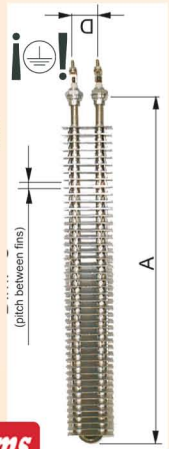
On order, we can supply the AL and ALG elements with stainless steel fins and connectors. Their code is the same as for the AL and ALG ranges, followed by INOX.

To calculate the price of stainless steel finned heaters, multiply the price of the required code by the factors listed below:

- Between **12** and **23** Units → **x 2,4**
- Between **24** and **59** Units → **x 2,2**
- Over **60** Units → **x 1,9**

"ECONOMY RANGE" FINNED HEATING ELEMENTS





Particular characteristics for ALEC range

- Only for air conditioning, maximum 100 °C with v_{air} = 2 m/sec

Description	Code	Dim. A in mm	Watts	W/cm² (*)	Santi Escoin's constructive thermic class	Peso En Kg
Aluzinc or aluminized steel sheet fin of 25x50. AISI 321or 304L stainless steel Ø8 mm tube Zinc-plated steel M12x1,25 connectors (thread 8 mm long). Dim. C = 5 mm Dim. D = 25 mm	ALEC0,75	270	750	6,6	T-600-S	0,28
	ALEC1	370	1000	6,2	T-600-S	0,38
	ALEC1,5	500	1500	6,7	T-600-S	0,53
	ALEC2	640	2000	6,8	T-600-S	0,68
	ALEC1N	340	1000	6,7	T-600-S	0,35
	ALEC1,33N (3)	340	1334	9,1	T-600-S	0,46

(*) W/cm² are calculated in respect of the element tube

(3) For working temperatures of 100 °C minimum air velocity must be $v_{air} \geq 6$ m/sec

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