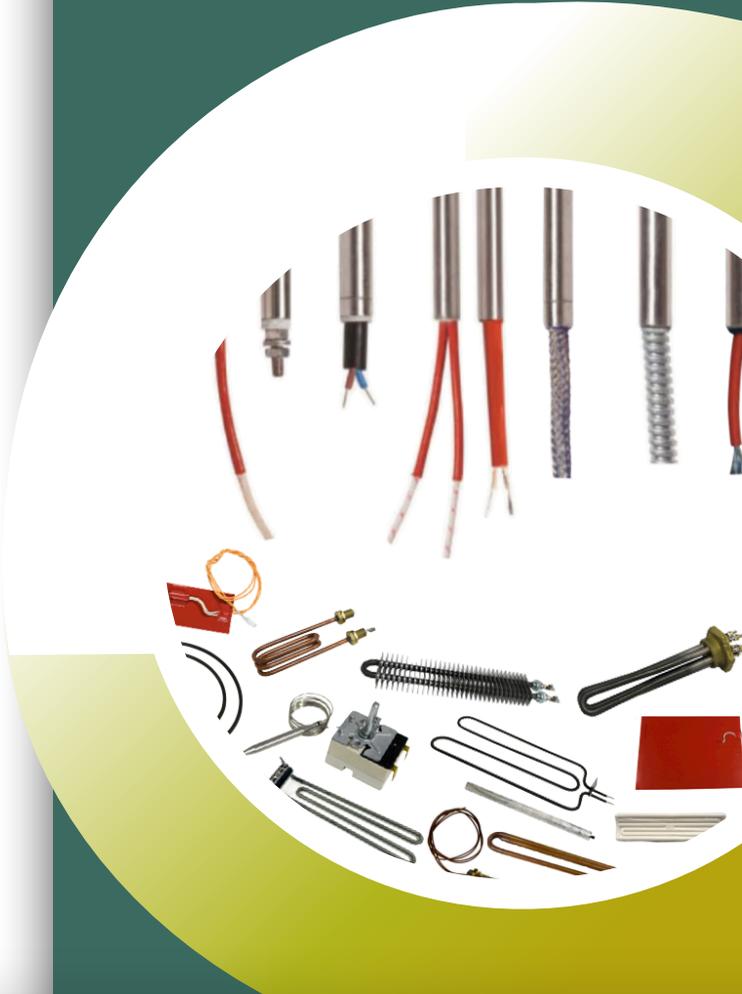


ELCOM

INDUSTRIAL



ELCOM RESISTENCIAS



info@elcomresistencias.com
www.elcomresistencias.com



+34 93 431 50 07
Linkedin: Elcom Resistencias



INDUSTRIAL 07

Resistencias inmersión con tapón, forma "3U" 8
U-shaped heating element with brass coupling plug

Resistencias inmersión con tapón, forma "3U", Racord Inox
U-shaped heating element with brass coupling plug 9

Resistencias inmersión con tapón, forma "3U" con doble vuelta
U-shaped heating element with brass coupling plug 9

Calentadores monobloc con vaina para termostato y racord 1 1/4" gas
Heating elements with sheath for thermostat and threaded plug 1 1/4" 9

Resistencias inmersión con brida AISI316 *U-shaped heating element with flange AISI316* 9

Resistencias con aletas *Finned heating elements* 10

Resistencias forma "3U" con vaina *U-shaped heating element with sheath* 10

Resistencias con caja estanca con racord *Heating elements with connection box IP65* 10

Resistencias aletas 50x25 inoxidables *Finned heating elements with stainless steel* 11

Resistencias aletas redondas *Spiral finned heating elements* 11

Resistencias con aletas 40x80 *40x80 Finned heating elements* 11

Resistencias inmersión, forma "U" *U-shaped immersion heating elements* 12

Resistencias inmersión. Forma "U" con salida 90°
U-shaped immersion heating elements with 90° exit 12

Resistencias inmersión para acoplar pletinas *Immersion heating elements* 12

Resistencia para horno y estufa *Heating elements for oven* 13

Resistencias monobloc con vaina para termostato y racord 1 1/4" gas
Monoblock heating elements with sheath for thermostat and threaded plug 1 1/4" 13

Calentadores bidones con mango *Immersion heaters with handle* 14

Resistencias moldeables *Moldable heating elements* 14

Sumergidor de cubos *Immersion heaters with handle* 14

Calefactores sumergidores con mango *Immersion heaters with handle* 15

Elementos infrarrojo *Ceramic infrared heating elements* 15

Resistencias blindadas maleables *Malleable heating elements* 15

Cable calefactor autoregulante *Autoregulating heating cable* 16

Resistencias blindadas maleables dobles *Double malleable heating elements* 16

Resistencias flexibles de silicona *Flexible heating cable* 16

Resistencias PTC para evaporadores *Self-regulating PTC heaters* 17

Resistencias silicona bipolares *Monoexit heating cable* 17

Versión recta sin rúcord *Straight version no bush* 17

Versión recta con rúcord *Straight version with bush* 17

Versión en forma "L" *"L" shaped version* 17



INDUSTRIAL..... 07

Versión en forma de "U" *"U" shaped version* 18

Bandejas para evaporador *Condensate evaporating pan* 18

Cable calefactor de silicona de potencia constante *Constant power heating cable* 18

Cable bipolar de Níquel + Fibra de Vidrio + Silicona +
Toma de tierra en cobre niquelado + Trenza en acero galvanizado
*Bipolar wires and cables + Silicon-coated fibreglass braid +
Nickel-plate copper earth wire core + Galvanised steel braid* 19

Cable conductor de cobre con recubrimiento de silicona y fibra de vidrio
Copper conductor cable with a fiberglass silicone layer 19

Cable unipolar de Níquel + Fibra de Vidrio + Silicona
Unipolar wires and cables + Silicone-coated fibreglass braid with composite insulation 19

Funda aislante fibra de vidrio y silicona *Insulating sleeve of fiberglass silicone* 19

Resistencias abrazadera mica, cazoletas y conformables 20

Resistencias abrazaderas inoxidable estancas *Hermetic clamps for nozzles*..... 20

Resistencia clase I para secatoallas *Class I heaters for towel rails* 21

Resistencia clase I para secatoallas con interruptor On/Off
Heaters with luminous on-off switch..... 21

Controles electrónicos analógico digital 22

Resistencia clase I con faston
Heaters with fast-ons for use with electronic temperature controls..... 22

Termostato para monobloc y termos *Thermostats for monoblock* 22

Termostato para termos *Rod thermostats*..... 22

Termostatos Ego *Ego thermostats* 23

TR2: Termostatos Imit *Imit thermostats*..... 23

Elementos adhesivos en silicona para baños ultrasónicos
Flexible silicone adhesive heating elements for ultrasounds 24

Elementos calefactores Etched-Foil para baños calientes
Flexible silicone adhesive heating elements..... 24

Fajas calentadoras y bridas calentadoras *Bands heating elements* 24

Resistencia de Boquilla de Silicona para Intercambiadores de calor ventilados
Heater for fan nozzle of an air cooler 24

Línea de temperatura *Controllers for refrigeration* 25

Línea presión y humedad *Controllers for refrigeration* 25

Línea refrigeración *Controllers for refrigeration*..... 25

Termómetros digitales *Controllers for refrigeration* 25

Termoreguladores digitales *Controllers for refrigeration*..... 25



CARTUCHOS ALTA CARGA 27

Resistencias para maquinaria de packaging <i>Cartridge heaters for packaging machines</i>	30
Para maquinaria de packaging <i>For packaging machines</i>	31
Resistencias para estufas pellets <i>Pellets stoves heating elements</i>	32
Resistencias cerámicas para estufas de pellets <i>Ceramic heaters</i>	33
Termostatos pellets <i>Pellet thermostats</i>	33
Resistencias de cuarzo para estufas de pellet <i>Quartz heaters</i>	34
Resistencias aleteadas estrechas.....	35
Resistencias rectangulares estrechas.....	37

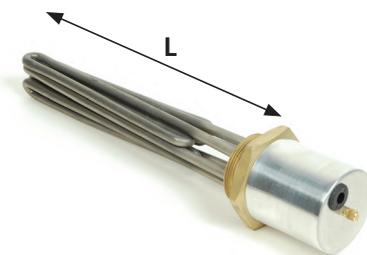


Code	W	Rosca Threaded plug	L (mm)
EL-11602	3.000	2"	200
EL-11604	4.500	2"	280
EL-11606	6.000	2"	360
EL-11607	7.500	2"	450
EL-11608	9.000	2"	530
EL-11611	3.000	2"	360
EL-11613	4.500	2"	530
EL-11615	6.000	2"	700
EL-11616	5.400	2"	345
EL-11617	12.000	2"	680
EL-11618	3.600	2"	235
EL-11619	15.000	2"	848
EL-11620	18.000	2"	990
EL-11329*	9.000	2"	740
EL-11332*	12.000	2"	930

*Record inox.

Resistencias inmersión con tapón, forma "3U" con doble vuelta

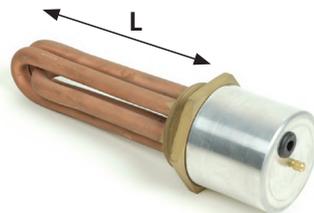
U-shaped heating elements with brass coupling plug



Resistencias inmersión con tapón, forma "3U"

U-shaped heating element with brass coupling plug

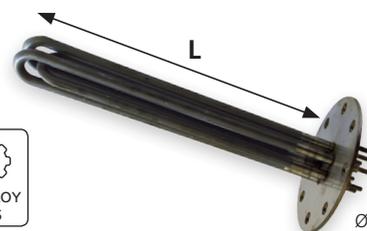
Code	W	Rosca Threaded plug	L (mm)
EL-350/53	4.500	2 1/2"	210
EL-350/55	6.000	2 1/2"	250
EL-350/57	9.000	2 1/2"	330
EL-350/59	12.000	2 1/2"	410
EL-350/61	15.000	2 1/2"	570
EL-350/63	18.000	2 1/2"	680



Resistencias inmersión con brida AISI316

U-shaped heating element with flange AISI316

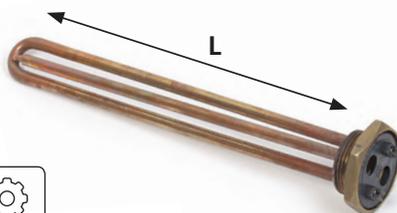
Code	W	L (mm)	Descripción
EL-11327	2.250	280	
EL-11328	3.000	360	
EL-11331	2.250	360	Con vaina



Calentadores monobloc con vaina para termostato y record 1 1/4" gas

Heating elements with sheath for thermostat and threaded plug 1 1/4"

Code	W	L (mm)
TEIC-119	1.200	300
TEIC-139	1.500	300
TEIC-140	2.000	300
TEIC-141	3.000	300

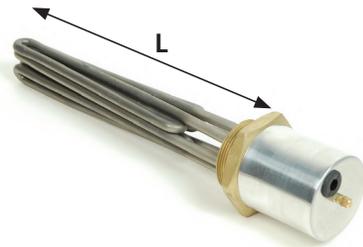




Resistencias inmersión con tapón, forma "3U", Racord Inox.

U-shaped heating element with brass coupling plug

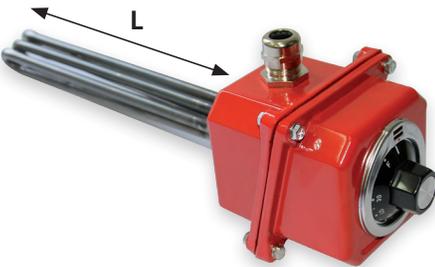
Code	W	L	Racord
LV-500	500	190	1 ¼"
LV-1000	1.000	190	1 ¼"



Resistencias forma "3U" con vaina
U-shaped heating element with sheath

Code	W	Rosca Threaded plug	L (mm)
EL-2021	3.000	1 ¼"	300
EL-2021/1	3.000	1 ½"	300
EL-2021/2	4.500	1 ¼"	300
EL-2021/3	4.500	1 ½"	300
EL-2355	3.000	1 ½"	200
EL-2355/1	3.000	1 ¼"	200
EL-2355/2	4.500	1 ¼"	200
EL-2355/3	4.500	1 ½"	200

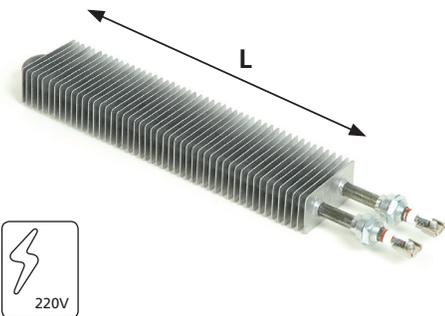
Se pueden fabricar en 1 ¼" o 1 ½"



Resistencias con caja estanca con racord
Heating elements with connection box IP65

Code	L (mm)	Rosca Threaded plug	W
JKZ1015	270	1 ¼"	2.000
JKZ1016	270	1 ¼"	3.000

Posibilidad de montar con termostato.



Resistencias con aletas
Finned heating elements

Code	W	L (mm)	Modelo
EL-11820	200	200	
EL-11821	500	260	
EL-11822	750	370	
EL-11823	1.000	500	
EL-11824	1.250	620	
EL-11825	1.500	740	
EL-11826	2.000	970	Aletas alu-zinc de 50 x 25, tubo de A. Inox, racores M12, paso entre aletas 4,5 mm
EL-11827	750	270	Aluzinc sheet fin of 25x50. AISI304 stainless steel Ø8 mm tube.
EL-11828	1.000	370	Zinc-plated steel M12x1 connectors
EL-11829	1.500	500	
EL-11830	2.000	640	



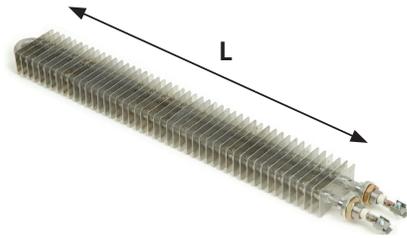
Resistencias aletas 50x25 inoxidables

Finned heating elements with stainless steel

Code	W	L (mm)
EL-11821 I	500	260
EL-11822 I	750	370
EL-11823 I	1.000	500
EL-11824 I	1.250	620
EL-11825 I	1.500	740

Modelo: Aletas inoxidables de 50 x 25, tubo A. Inox, racores M12, paso entre aletas 7 mm

Model: AISI304 stainless steel sheet fin of 25x50. AISI304 stainless steel Ø8 mm tube. Zinc-plated steel M12x1 connectors.



Code	W	L (mm)
EL-11831	1.000	325
EL-11832	1.500	470
EL-11833	2.000	620
EL-11834	2.500	760
EL-11835	3.000	910

Modelo: Aletas alu-zinc de 40x80. Tubo de A.Inox D10mm. Racores M14.

Model: Aluzinc sheet fin of 40x80. AISI304 stainless steel Ø10 mm tube. Zinc-plated steel M14 connectors.

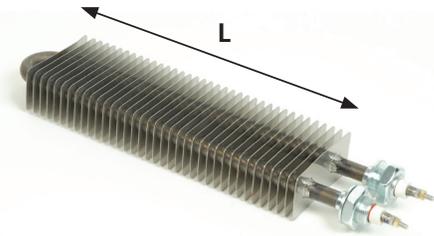
EL-11836	1.000	325
EL-11837	1.500	475
EL-11838	2.000	625

Modelo: Aletas alu-zinc de 40x80. Tubo inox D16mm. Racores M22x15.

Model: Aluzinc sheet fin of 40x80. AISI304 stainless steel Ø16 mm tube. Zinc-plated steel M22x15 connectors

Resistencias con aletas 40x80

40x80 Finned heating elements



Code	W	L (mm)
Ø 32mm		

EL-11839	1.000	325
EL-11840	1.500	470
EL-11841	2.000	620
EL-11842	2.500	760
EL-11843	3.000	920

Modelo: Aleta Inox en Espiral. D32mm. Tubo Inox D12mm. Racores M18. 40mm entre centros.

Model: Stainless steel spiral fin Ø32mm. Tube Ø12mm. Zinc-plated steel M18. L=40mm

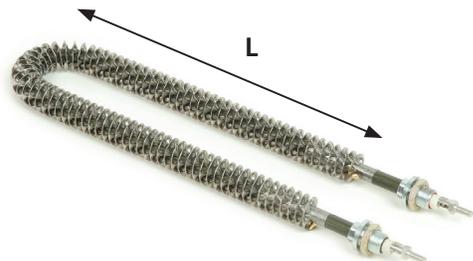
Ø 24mm		
EL-11844	500	185
EL-11845	1.000	310
EL-11846	2.000	585
EL-11847	3.000	885

Modelo: Aleta Inox Espiral Tubo Inox. D8mm. Racores M12. Entre Centros 55mm.

Model: Stainless steel spiral fin Ø24mm. Tube Ø8mm. Zinc-plated steel M12. L=55mm

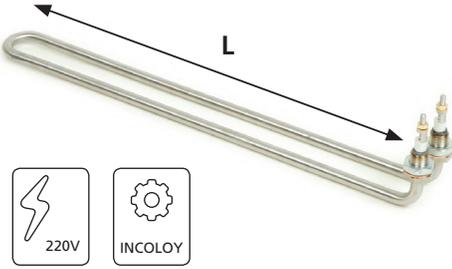
Resistencias aletas redondas

Spiral finned heating elements



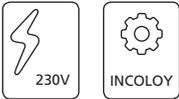
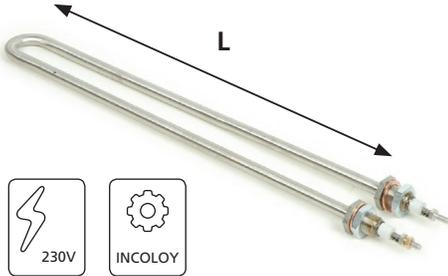


Resistencias inmersión. Forma "U" con salida 90°
U-shaped immersion heating elements with 90° exit



Code	L (mm)	W
AH-150	170	500
AH-109	369	1.200
AH-107	504	1.800
AH-108	704	2.400

Resistencias inmersión, forma "U"
U-shaped immersion heating elements



Code	L (mm)	W
AH-100	155	500
AH-101	260	1.000
AH-102	310	1.200
AH-106	350	1.400
AH-103	470	1.800
AH-104	640	2.400
AH-105	780	3.000
AH-110	245	750

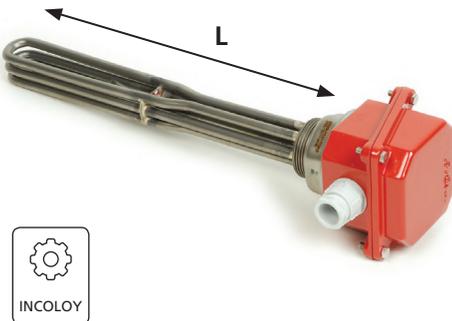
Resistencias inmersión para acoplar pletinas
Immersion heating elements



RACORD 3/8"

Code	L (mm)	W	Material
TN-412	255	4.000	COBRE
TN-413	190	2.000	COBRE
TN-414	255	3.500	COBRE
TN-465	170	3.250	INCOLOY
TN-466	170	1.200	INCOLOY
TN-467	170	2.180	INCOLOY
TN-468	250	3.280	INCOLOY

Resistencias con caja estanca con racord
Heating elements with connection box ip65

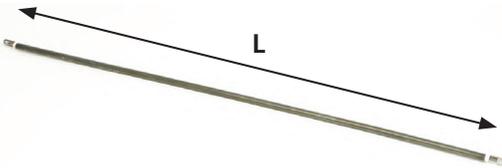


Code	L (mm)	Rosca Threaded plug	W
JKZ-1003	330	1 1/2"	6.000
JKZ-1004	250	1 1/2"	3.000
JKZ-1005	760	1 1/2"	6.000
JKZ-1009	310	1 1/2"	9.000
JKZ-1010	400	1 1/2"	12.000
JKZ-1011	500	1 1/2"	15.000
JKZ-1012	590	1 1/2"	18.000
JKZ-1015	270	1 1/4"	2.000
JKZ-1016	270	1 1/4"	3.000

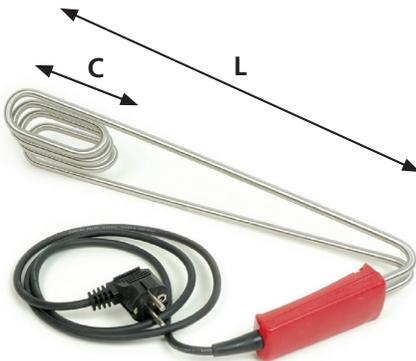
Posibilidad de montar con termostato.

Resistencias moldeables
Moldable heating elements

Code	W	Long. Total Tubo	Long. Activa	Carga Especifica
EL-12040	500	1.100	1.000	2W
EL-12041	750	1.600	1.500	2W
EL-12042	1.000	2.100	2.000	2W
EL-12043	500	600	500	4W
EL-12044	750	850	750	4W
EL-12045	1.000	1.100	1.000	4W
EL-12046	1.500	1.600	1.500	4W
EL-12047	2.000	2.100	2.000	4W
EL-12048	2.500	2.600	2.500	4W
EL-12049	500	430	330	6W
EL-12050	750	600	500	6W
EL-12051	1.000	760	660	6W
EL-12052	1.500	1.100	1.000	6W
EL-12053	2.000	1.430	1.330	6W
EL-12054	2.500	1.760	1.660	6W
EL-12055	3.000	2.100	2.000	6W
EL-12056	500	350	250	8W
EL-12057	750	475	375	8W
EL-12058	1.000	600	500	8W
EL-12059	1.500	850	750	8W
EL-12060	2.000	1.100	1.000	8W
EL-12061	2.500	1.350	1.250	8W
EL-12062	3.000	1.600	1.500	8W



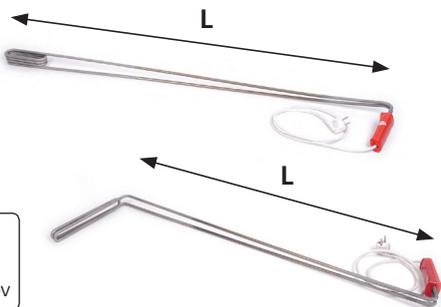
TUBO INOX DTRO. 8mm. - RECOCIDO



Sumergidor de cubos
Immersion heaters with handle

Code	L (mm)	C (mm)	W
CP-1000	400	100	1.000
CP-1500	400	100	1.500

*Con toma de tierra



Calentadores bidones con mango
Immersion heaters with handle

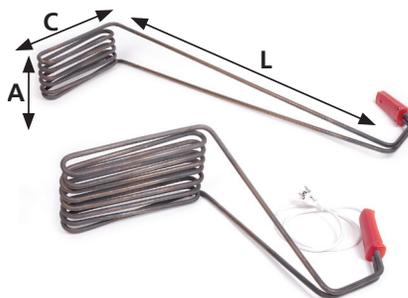
Code	W	L (mm)	Pasa por Racord
EL-14751	500	950	3/4"
EL-14752	1.000	950	3/4"
EL-14753	1.000	950	1 1/4"
EL-14754	1.500	950	1 1/4"
EL-14755	1.000	950	Ø56.5
EL-14756	1.500	950	Ø56.5



Calefactores sumergidores con mango

Immersion heaters with handle

Code	C	A	L	W
EL-14757	320	70	450	1.500
EL-14758	320	160	450	3.000
EL-14759	320	250	450	4.500
EL-14760	270	70	850	2.000
EL-14761	270	160	850	4.000
EL-14762	270	250	850	6.000



Elementos infrarrojo

Ceramic infrared heating elements

Code	W
EL-302004	250
EL-302007	400
EL-302008	500
EL-302009	650
EL-302010	750
EL-302011	1.000

Code	W
EL-302025	125
EL-302026	150
EL-302028	250
EL-302030	325
EL-302032	400
EL-302031	500

Code	W
EL-302014	150
EL-302015	250
EL-302016	400
EL-302017	500
EL-302018	650
EL-302019	750



245 x 62



122 x 62



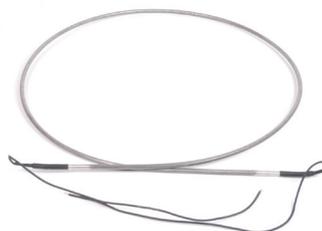
247 x 62

Resistencias blindadas maleables

Malleable heating elements

Code	L (mm)	W
FRIO 750	750	200
FRIO 1000	1.000	350
FRIO 1250	1.250	450
FRIO 1500	1.500	550
FRIO 1750	1.750	600
FRIO 2000	2.000	700
FRIO 2250	2.250	800
FRIO 2500	2.500	900
FRIO 2750	2.750	1.000
FRIO 3000	3.000	1.100

Code	L (mm)	W
FRIO 3250	3.250	1.200
FRIO 3500	3.500	1.300
FRIO 3750	3.750	1.350
FRIO 4000	4.000	1.500
FRIO 4500	4.500	1.700
FRIO 5000	5.000	1.900
FRIO 5500	5.500	2.100
FRIO 6000	6.000	2.200
FRIO 6500	6.500	2.400



*Se pueden fabricar en tubo inox Ø6,4



Resistencias blindadas maleables dobles

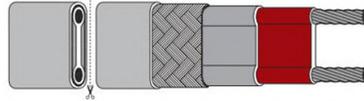
Double malleable heating elements



Code	L (mm)	W
FRIOD 750	750	200+200
FRIOD 1000	1.000	300+300
FRIOD 1250	1.250	450+450
FRIOD 1500	1.500	525+525
FRIOD 1750	1.750	600+600
FRIOD 2000	2.000	700+700
FRIOD 2500	2.500	875+875

Cable calefactor autoregulante

Autoregulating heating cable



Tipo de cable	Potencia aproximada W/metro								Modelo
	C	-20	-10	0	10	20	40	50	
ESR-B	W	33	28	24	20	16	9,1	3	EL35512-B20
ESR-BO	W	46	42	36	30,7	25,3	15,7	7,8	EL42514-B030

Tensión 230 V. Dimensiones: ESR-B 4,9x13 mm; ESR-BO 5,3x15,6 mm.

L máxima por circuito.

ESR-B 155 M

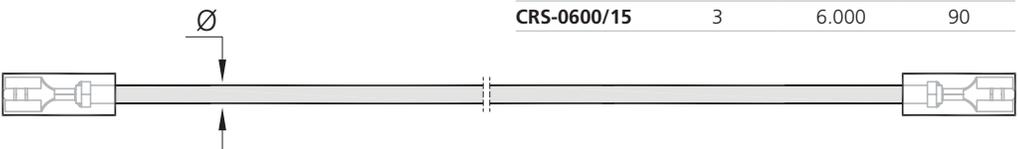
ESR-BO 120 M

Resistencias flexibles de silicona

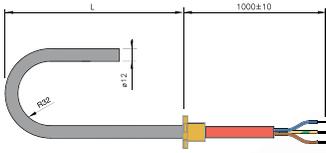
Flexible heating cable



Code	Ø	L (mm)	W
CRS-0100	4	1.000	30
CRS-0200	4	2.000	60
CRS-0300	4	3.000	90
CRS-0400	4	4.000	120
CRS-0500	4	5.000	150
CRS-0600	4	6.000	180
CRS-0700	4	7.000	210
CRS-0800	4	8.000	240
CRS-0900	4	9.000	270
CRS-1000	4	10.000	300
CRS-1200	4	12.000	360
CRS-1500	4	15.000	450
CRS-2000	4	20.000	600
CRS-0100/15	3	1.000	15
CRS-0200/15	3	2.000	30
CRS-0300/15	3	3.000	45
CRS-0400/15	3	4.000	60
CRS-0500/15	3	5.000	75
CRS-0600/15	3	6.000	90



Versión en forma de "U"
"U" shaped version



Code	L (mm)	W en aire libre	W en agua (T 20°C)
PT96263	255	40	500
PT96264	370	75	700
PT96265	390	100	950

Bandejas para evaporador
Condensate evaporating pan

Code	Material	Dimension (mm)	Hole position	Capacity L
MVA13322	PC	300x144x100	Lateral	2,80
MVA13323	PC	294x225x35	Derecha	1,65
MVA13324	PC	294x225x35	Izquierda	1,65
MVA13325	PC	325x200x41	Lateral	1,50



MVA13322



MVA13324



MVA13323

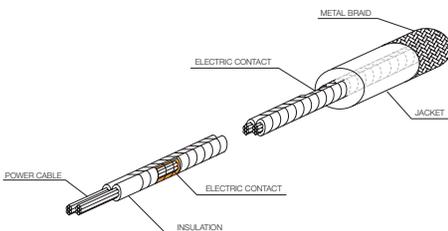


MVA13325

Cable calefactor de silicón de potencia constante
Constant power heating cable

Modelo	Descripción	Modelo	Descripción
CSC0010	Cable calefactor Potencia 10W/Mt	CSC0020/M	Cable calefactor Potencia 20W/Mt con Protección Malla
CSC0010/M	Cable calefactor Potencia 10W/Mt con Protección Malla	CSC0030	Cable calefactor Potencia 30W/Mt
CSC0020	Cable calefactor Potencia 20W/Mt	CSC0030/M	Cable calefactor Potencia 30W/Mt con Protección Malla

Se sirve en rollos de 100 metros



Code	Color	Ø Interior
1437042	Rojo Teja	1
1437043	Rojo Teja	1,5
1437044	Rojo Teja	2
1437045	Rojo Teja	2,5
1437040	Rojo Teja	3
1437019	Rojo Teja	4
1437020	Rojo Teja	5
1437021	Rojo Teja	6
1437022	Rojo Teja	7
1437023	Rojo Teja	8
1437024	Rojo Teja	10
1437025	Rojo Teja	12
1437046	Rojo Teja	14
1437047	Rojo Teja	16
1437048	Rojo Teja	18
1437049	Rojo Teja	20

Funda aislante fibra de vidrio y silicona

Insulating sleeve of fiberglass silicone



Cable conductor de cobre con recubrimiento de silicona y fibra de vidrio

Copper conductor cable with a fiberglass silicone layer

Code	Descripción	L. activa
CSF 1,5	FIBRA SILICONA COBRE	1,5 mm
CSF 2,5	FIBRA SILICONA COBRE	2,5 mm
CSF 4	FIBRA SILICONA COBRE	4 mm
CSF 6	FIBRA SILICONA COBRE	6 mm



Code	Descripción
CN-0,5	Sección 0,50 mm (blanco/white)
CN-0,75	Sección 0,75 mm (blanco/white)
CN-1	Sección 1,00 mm (marrón/brown)
CN-1,5	Sección 1,50 mm (marrón/brown)
CN-2,5	Sección 2,50 mm (marrón/brown)
CN-4	Sección 4,00 mm (marrón/brown)

Normas: DIN 17753, DIN 17740 y ASTM B160
 Temperatura en continuo: -60 °C hasta + 350°C
 Tensión nominal: 300 / 500 V. Tensión de ensayo: 2.000 V
 Rollos de 100 metros

Fabricación bajo demanda

Code	Descripción
CNT-0,5	Sección 2x0,50 mm
CNT-0,75	Sección 2x0,75 mm
CNT-1	Sección 2x1,00 mm
CNT-1,5	Sección 2x1,50 mm
CNT-2,5	Sección 2x2,50 mm
CNT-4	Sección 2x4,00 mm

DIN 17753, DIN 17740 and ASTM B160.
 Continuous operating temperatures: -60 °C to + 350 °C
 Rated voltage: 300/500 V. Test voltage: 2.000 V. Rolls of 100 meters

Fabricación bajo demanda

Cable unipolar de Níquel + Fibra de Vidrio + Silicona

Unipolar wires and cables + Silicone-coated fiberglass braid with composite insulation



Cable bipolar de Níquel + Fibra de Vidrio + Silicona + Toma de tierra en cobre niquelado + Trenza en acero galvanizado

Bipolar wires and cables + Silicon-coated fiberglass braid + Nickel-plate copper earth wire core + Galvanised steel braid



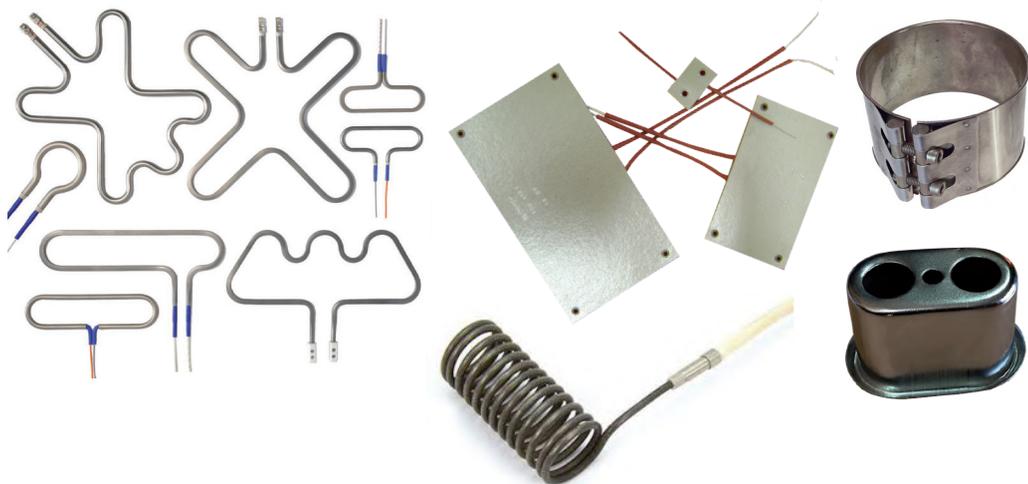
Resistencias abrazaderas inoxidable estancas
Hermetic clamps for nozzles

Modelo	Descripción del artículo
EL-RB025025	BOQUILLA 25X25 95W 230V
EL-RB025030	BOQUILLA 25X30 115W 230V
EL-RB025035	BOQUILLA 25X35 135W 230V
EL-RB030030	BOQUILLA 30X30 140W 230V
EL-RB030035	BOQUILLA 30X35 160W 230V
EL-RB030040	BOQUILLA 30X40 185W 230V
EL-RB035030	BOQUILLA 35X30 165W 230V
EL-RB035035	BOQUILLA 35X35 190W 230V
EL-RB035040	BOQUILLA 35X40 220W 230V
EL-RB038020	BOQUILLA 38X20 110W 230V
EL-RB038035	BOQUILLA 38X35 200W 230V
EL-RB040020	BOQUILLA 40X20 150W 230V
EL-RB040022	BOQUILLA 40X22 135W 230V
EL-RB040030	BOQUILLA 40X30 185W 230V
EL-RB040035	BOQUILLA 40X35 220W 230V
EL-RB040040	BOQUILLA 40X40 250W 230V

Modelo	Descripción del artículo
EL-RB040045	BOQUILLA 40X45 280W 230V
EL-RB045040	BOQUILLA 45X40 280W 230V
EL-RB050030	BOQUILLA 50X30 235W 230V
EL-RB050035	BOQUILLA 50X35 275W 230V
EL-RB050040	BOQUILLA 50X40 315W 230V
EL-RB050050	BOQUILLA 50X50 390W 230V
EL-RB060030	BOQUILLA 60X30 280W 230V
EL-RB060040	BOQUILLA 60X40 375W 230V
EL-RB060050	BOQUILLA 60X50 475W 230V
EL-RB060060	BOQUILLA 60X60 565W 230V
EL-RB070030	BOQUILLA 70X30 330W 230V
EL-RB075040	BOQUILLA 75X40 470W 230V
EL-RB080030	BOQUILLA 80X30 375W 230V
EL-RB080048	BOQUILLA 80X48 675W 230V
EL-RB085030	BOQUILLA 85X30 400W 230V
EL-RB090030	BOQUILLA 90X30 470W 230V



Características: herméticas en acero inoxidable, salida 45° y 600 mm cable bipolar de níquel + toma de tierra + funda en malla metálica. Se pueden fabricar en otras medidas, con T/C y salidas diferentes o longitudes de cable diferentes.

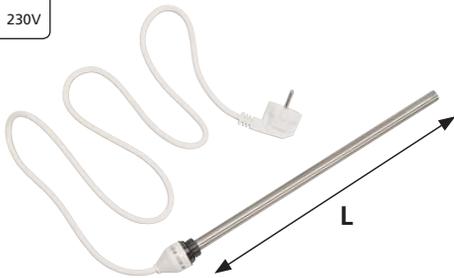
RESISTENCIAS ABRAZADERA MICA, CAZOLETAS Y CONFORMABLES


Resistencia clase I para secatoallas

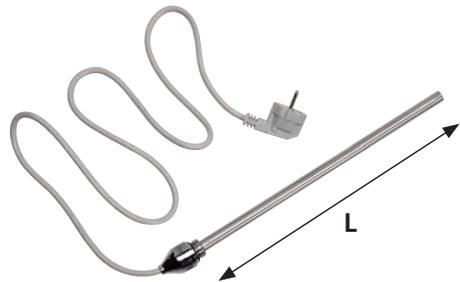
Class I heaters for towel rails

Tipo 1	Tipo 2	L (mm)	W
LT90100	LT95450	300	100
LT90150	LT95451	300	150
LT90200	LT95452	350	200
LT90300	LT95453	350	300
LT90400	LT95454	415	400
LT90501	LT95455	450	500

Tipo 1	Tipo 2	L (mm)	W
LT90600	LT95456	550	600
LT90701	LT95457	550	700
LT90801	LT95458	710	800
LT90900	LT95459	710	900
LT91000	LT95460	710	1.000
LT91200	LT95461	920	1.200
LT91500	LT95462	1.100	1.500



Tipo 1: Capuchón y cable blanco



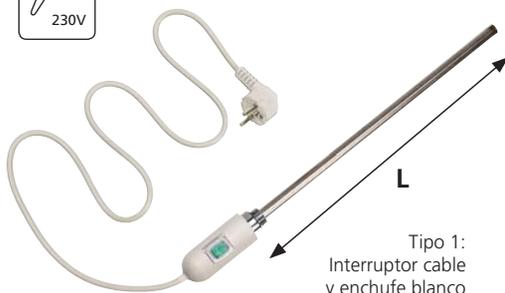
Tipo 2: Capuchón cromado y cable gris

Resistencia clase I para secatoallas con interruptor On/Off

Heaters with luminous on-off switch

Tipo 1	Tipo 2	L (mm)	W
LT95357	LT95410	300	100
LT95369	LT95422	300	150
LT95358	LT95411	350	200
LT95359	LT95412	350	300
LT95360	LT95413	415	400
LT95361	LT95414	450	500

Tipo 1	Tipo 2	L (mm)	W
LT95362	LT95415	550	600
LT95363	LT95416	550	700
LT95364	LT95417	710	800
LT95365	LT95418	710	900
LT95366	LT95419	710	1.000
LT95367	LT95420	920	1.200
LT95368	LT95421	1.100	1.500



Tipo 1:
Interruptor cable
y enchufe blanco



Tipo 2:
Interruptor cable
y enchufe gris



Resistencia clase I con faston

Heaters with fast-ons for use with electronic temperature controls



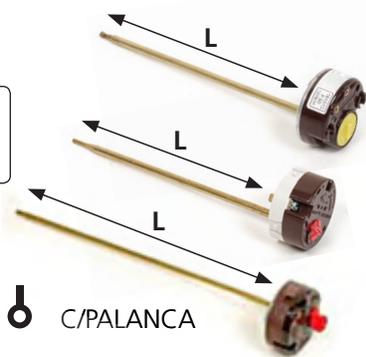
Code	L (mm)	W
LT95340	300	100
LT95352	300	150
LT95341	350	200
LT95342	350	300
LT95343	415	400
LT95344	450	500
LT95345	550	600
LT95346	550	700
LT95347	710	800
LT95348	710	900
LT95349	710	1.000
LT95350	920	1.200
LT95351	1.100	1.500

CONTROLES ELECTRÓNICOS ANALÓGICO DIGITAL



Termostato para monobloc y termos

Thermostats for monoblock

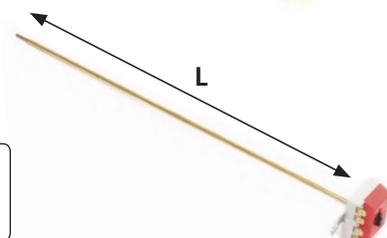


C/PALANCA

Code	Escala	L mm
EL-7701	0° - 80°	L-190
EL-7702	60° - 120°	L-190 MARRÓN
EL-7703	60° - 150°	L-270 AZUL
EL-7704	0° - 80°	L-270 SEGURIDAD
EL-7705	0° - 80°	L-400
EL-7771	0° - 80°	L-270 C/ PALOMITA
EL-7805	60 - 150°	L-140 AZUL

Termostato para termos

Rod thermostats



Code	Escala	L mm
EL-6819	0° - 80°	L-270
EL-6823	0° - 80°	L-400
EL-7706	0° - 80°	270 PALOMITA
EL-7707	0° - 80°	450 PALOMITA

TR2: Termostatos Imit

Imit thermostats

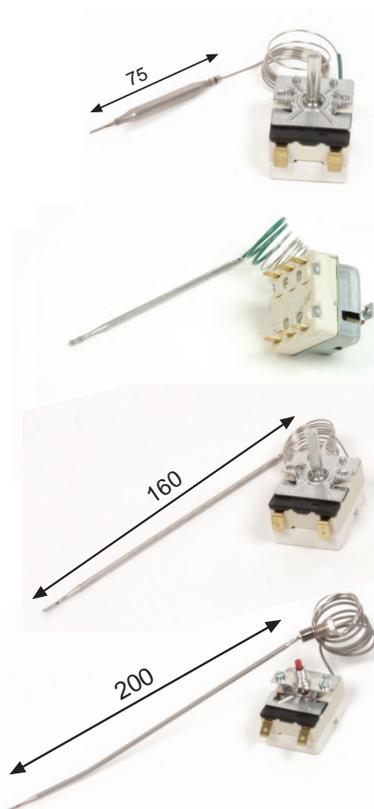
Code	Descripción
EL-0010	Temperatura regulable 0/90°C – Capilar 1.000 mm Bulbo 6,5 x 95 mm – 3 fastons
EL-0020	Temperatura regulable 50/300°C – Capilar 1.000 mm Bulbo 3,5 x 195 mm – 3 fastons
EL-0030	Temperatura regulable 0/40°C – Capilar 1.000 mm Bulbo 6,5 x 95 mm – 3 fastons
EL-0160	Temperatura regulable 0/120°C – Capilar 1.000 mm Bulbo 6,5 x 95 mm – 3 fastons
EL-0316	Temperatura regulable 90°C – Capilar 3.000 mm Bulbo 6,5 x 95 mm
EL-0960	Temperatura regulable 40/210°C – Capilar 1.000 mm Bulbo 5 x 125 mm – Niquelado 3 fastons
EL-1821	Temperatura regulable 238°C – Capilar 1.000 mm Bulbo 5 x 98 mm – INOX SEGURIDAD
EL-7766	Temperatura regulable 90/110°C – Capilar 1.000 mm Bulbo 6,5 x 95 mm – LS1



Termostatos Ego

Ego thermostats

Code	Descripción
EL-7709	55.13069.500 50/320° HORNO
EL-7710	55.17012.101 30/85° TERMOS
EL-7711	55.34032.010 50/200° TRIF. FREIDORA
EL-7712	55.34052.010 50/320° TRIF. HORNO
EL-7713	55.31542.140 TRIF. SEGURIDAD FREIDORA
EL-7714	55.13042.290 60/215° FREIDORA FAGOR
EL-7715	55.13032.020 60/200° JEMI FREIDORA
EL-7716	55.11549.130 SEGURIDAD FREIDORA MOVILFRIT
EL-7717	55.13542.270 SEGURIDAD FREIDORA JEMI
EL-7719	55.13219.350 30/93° LAVAVAJ. JEMI
EL-7737	55.17032.020 60/200° FREIDORA
EL-7739	55.18062.170 54/324° HORNO FAGOR
EL-7741	55.13542.280 245° SEGURIDAD FREIDORA FAGOR
EL-7743	55.13569.010 329° SEGURIDAD HORNO FAGOR
EL-7744	55.13219.310 30/85° LAVAVAJILLAS FAGOR
EL-7752	55.34089.010 113/470° HORNO TRIFÁSICO
EL-7753	56.13042.001 205° 20 Amp FREIDORA
EL-7756	55.13569.090 329° SEGURIDAD HORNO
EL-7757	55.13082.010 100/500° HORNO
EL-7759	55.32562.040 350° SEGURIDAD TRIFÁSICO
EL-7763	55.13053.190 64/306° HORNO FAGOR
EL-7764	55.32532.020 160° SEGURIDAD TRIFÁSICO QUALITY
EL-7783	55.13542.110 245° SEGURIDAD
EL-7799	55.13532.030 171° SEGURIDAD



Resistencia de Boquilla de Silicona para Intercambiadores de calor ventilados

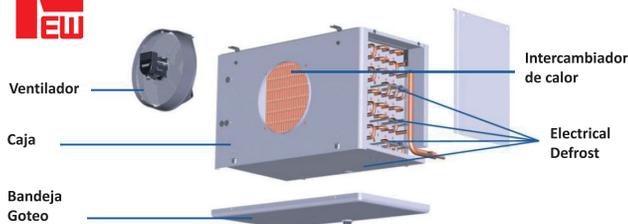
Heater for fan nozzle of an air cooler

Resistencia flexible de silicona utilizada para asegurar el giro de las aspas del ventilador sin ningún tipo de bloqueo (formación de hielo) durante el proceso de defrost. De esta manera se evita el sobrecalentamiento del motor del ventilador.

Especificaciones Técnicas:

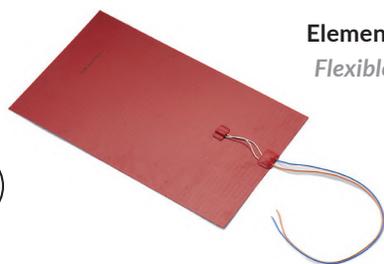
- Voltaje hasta 600V
- Máxima carga superficial: 0,45 W/cm²
- Máxima temperatura superficial: 175°C
- Máxima longitud: 2900 mm
- Ancho: 25 mm hasta 600 mm
- Material aislante: Silicona
- IP 65
- Cable tierra opcional

Code	Ø (mm)
EL-14806	500
EL-14807	630
EL-14808	500
EL-14809	630



Elementos adhesivos en silicona para baños ultrasónicos

Flexible silicone adhesive heating elements for ultrasounds



Code	Dimensión	W	Descripción
EL-14800	250X30	150	C/TERMOSTATO
EL-14801	310X70	350	C/TERMOSTATO
EL-14802	170X70	190	C/TERMOSTATO
EL-14803	340X90	450	C/TERMOSTATO

Elementos calefactores Etched-Foil para baños calientes

Flexible silicone adhesive heating elements



Code	Dimensión	W	Descripción
AH-145	290X175	500	C/TERMOSTATO
AH-146	400X290	1.000	C/TERMOSTATO
AH-156	200X250	800	C/TERMOSTATO
AH-157	500X300	500	C/TERMOSTATO
AH-159	430X430	800	C/TERMOSTATO
AH-160	460X270	450	C/TERMOSTATO
AH-161	400X196	800	C/TERMOSTATO
AH-166	500X500	1.000	C/TERMOSTATO
FRIO 17	58X210	100	C/TERMOSTATO
FRIO 19	116X210	200	C/TERMOSTATO

Fajas calentadoras y bridas calentadoras

Bands heating elements

Code	Tensión	Potencia	Dimensión
EL-CP2001	220	1.000	1.770x110
EL-CP2002	220	750	1.400x110
EL-CP2003	220	400	880x110



LÍNEA REFRIGERACIÓN CONTROLLERS FOR REFRIGERATION



Elementos comunes a todos los aparatos:

- Grado protección frontal IP65.
- Visualización amplia de los iconos retroiluminados.
- Relé de 16A para gestión directa del compresor.
- Conexión directa de las cargas.
- Puerta para sistema supervisión/llave de programación.
- Protocolo de comunicación Mod-Bus.

Modelo	Rango	Voltaje	Sonda	Relé
EV3B21N7	-40/+105°	230V	NTC	1
EV3B21N7X	-40/+105°	230V	NTC	1 Blanco
EV3 202	-40/+105°	230V	NTC	2
EV3 203	-40/+105°	230V	NTC	3

Modelo	Rango	Voltaje	Sonda	Dígitos
EVJ203N2	-40/+105°	12V	NTC	3
EVJ204N2	-40/+105°	12V	NTC	4

LÍNEA DE TEMPERATURA TEMPERATURE LINE



Termoreguladores digitales

Digital thermoregulators

Modelo	Rango	Voltaje	Sonda	Relé
EV3 401P7	-50/150°	230V	PTC	1
EV3 401M7	-50/999°	230V	Multisonda	1
EV3 401M3	-50/999°	12/24V	Multisonda	1
EV3 412M9	-50/999°	115/230V	Multisonda	2
EV3 412M3	-50/999°	12/24V	Multisonda	2

Termómetros digitales

Digital thermometers

Modelo	Rango	Voltaje	Sonda	Dígitos
TM103T	-40/+110°	230V	NTC	3
TM103A	-40/+110°	12V	NTC	3
EV3100M	-40/+999°	230V	Multisonda	3
EV3100M3	-40/+999°	12V	Multisonda	3



EV3
74 x 32



EVJ
110 x 75



EV3
74 x 32



TM103
64 x 28



EV3 100M
74 x 32





EV3 700
74 x 32



EV3 800
74 x 32



EV3 100M
74 x 32



EV7
72 x 72



EV9
96 x 96

Timer Timer

Modelo	Rango	Voltaje	Relé
EV3711D7	0.1s 99H 59M	230V	1

Abatidores Blast chiller

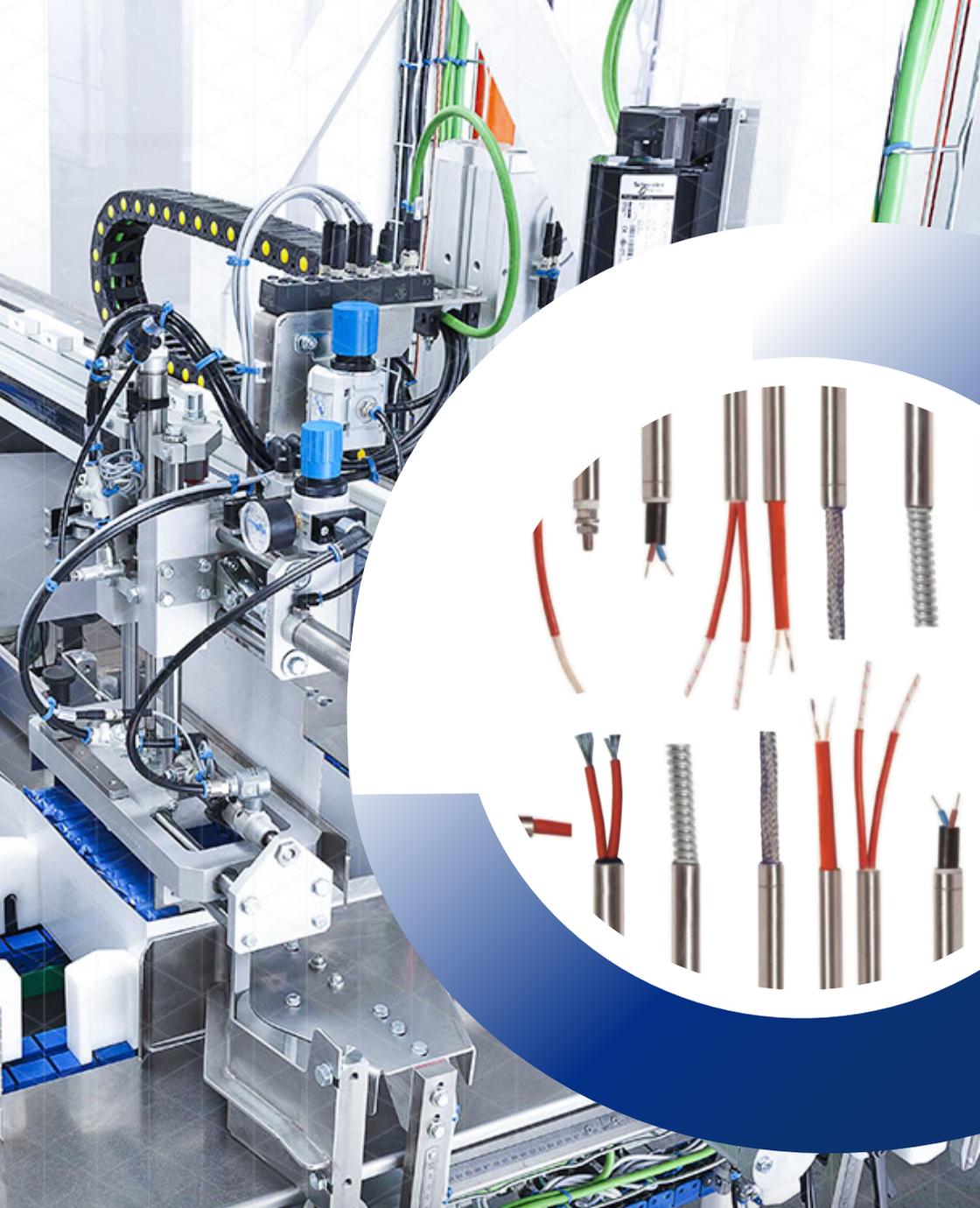
Modelo	Rango	Voltaje	Sonda	Relé
EV3802N7 ROJO	-40/+105°	230V	NTC	2 (compresor + ventilador)
EVK802P7	-50/+150°	230V	NTC	2 (compresor + ventilador)

Línea presión y humedad Controllers for refrigeration

Modelo	Rango	Voltaje	Relé
EV3100M	0/+999°	230V	1
EV3100M3	0/+999°	12V	1

Hornos industriales Industrial ovens

Modelo	Rango	Voltaje	Sonda	Dígitos
EV7402J7	-100/999°	230V	Multisonda	2
EV7402J/24	-100/999°	24V	Multisonda	2
EV9412J/6	-0/999°	24/230V	Multisonda	2



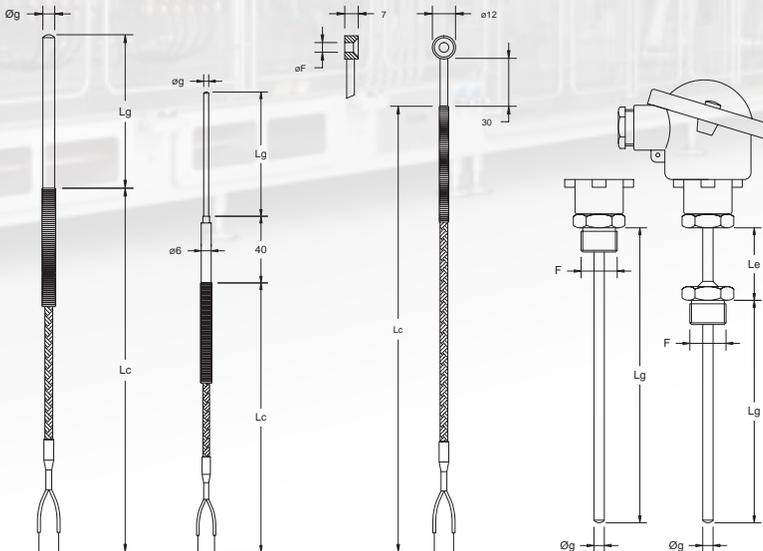
CARTUCHOS ALTA CARGA

L (mm)	W	N.	L (mm)	W	N.	L (mm)	W	N.	L (mm)	W	N.			
Ø 6,5 mm			Ø 8 mm											
25	100	HT96067	30	100	HT96084	50	100	HT95031	50	160	HT95067			
	125	HT96068		125	HT96085		160	HT95032		200	HT95068			
	150	HT96069		150	HT96086		200	HT95033		250	HT95705			
	175	HT96070		175	HT96087		250	HT95034		320	HT95706			
30	100	HT96071	40	200	HT96088	60	400	HT95035	60	400	HT95071			
	125	HT96072		100	HT95001		125	HT95689		500	HT95707			
	150	HT96073		125	HT96089		160	HT95036		600	HT96119			
	175	HT96074		140	HT95673		200	HT95690		160	HT95708			
40	200	HT96075	50	160	HT95002	80	250	HT95038	80	200	HT95072			
	100	HT95251		200	HT95003		320	HT95039		250	HT95073			
	125	HT95252		250	HT95004		400	HT95040		320	HT95709			
	160	HT95662		125	HT95005		500	HT95041		400	HT95076			
50	180	HT95663	60	160	HT95674	100	160	HT95042	100	500	HT95077			
	200	HT95254		200	HT95006		200	HT95691		600	HT96120			
	250	HT96076		250	HT95007		250	HT95043		160	HT95710			
	100	HT95255		320	HT95008		320	HT95044		200	HT95711			
60	125	HT95664	80	125	HT95009	130	400	HT95045	130	250	HT95078			
	160	HT95256		160	HT95675		500	HT95046		320	HT95712			
	200	HT95257		200	HT95010		600	HT95047		400	HT95081			
	250	HT95258		250	HT95011		150	HT96115		500	HT95082			
80	125	HT95259	100	280	HT95676	160	200	HT95048	160	650	HT95713			
	160	HT95260		320	HT95012		250	HT95049		800	HT95084			
	180	HT95665		400	HT95677		350	HT95051		250	HT95714			
	200	HT95261		160	HT95678		400	HT95052		320	HT95715			
100	250	HT95262	130	200	HT95014	200	500	HT95053	200	400	HT95085			
	320	HT95666		250	HT95015		650	HT95054		500	HT95086			
	125	HT95263		280	HT95679		850	HT95692		650	HT95087			
	160	HT95667		320	HT95680		250	HT96116		800	HT95088			
130	180	HT95264	160	400	HT95017	250	320	HT95055	250	1.000	HT95089			
	200	HT95265		160	HT96090		400	HT95056		250	HT96121			
	250	HT95266		200	HT95018		500	HT95057		320	HT95716			
	320	HT95267		250	HT95019		650	HT95058		400	HT95090			
160	350	HT96077	200	160	HT95681	300	800	HT95059	300	500	HT95091			
	125	HT95268		200	HT95018		400	HT95060		650	HT95092			
	160	HT95668		250	HT95019		500	HT95693		800	HT95093			
	200	HT95269		320	HT95682		650	HT95061		1.000	HT95431			
200	250	HT95270	250	320	HT95020	400	800	HT95694	400	1.250	HT96122			
	320	HT95669		400	HT95021		400	HT95062		500	HT95095			
	350	HT95271		200	HT95683		500	HT95695		650	HT95096			
	400	HT95670		250	HT95022		650	HT95063		800	HT95097			
250	150	HT96078	300	320	HT95023	400	800	HT95696	400	1.000	HT95718			
	200	HT96079		400	HT95684		1.000	HT96117		1.300	HT95098			
	250	HT95272		250	HT95685		500	HT95697		600	HT96123			
	300	HT95671		320	HT95686		650	HT95698		750	HT96124			
300	350	HT95672	400	450	HT95025	500	800	HT95699	500	1.000	HT96125			
	400	HT95273		600	HT96092		1.000	HT95700		1.300	HT96126			
	200	HT96080		Ø 10 mm										
	250	HT96081		100	HT96110		125	HT95701		650	HT95719	800	HT95720	
400	300	HT95274	30	125	HT96111	40	160	HT95702	200	1.000	HT95100			
	350	HT95275		150	HT96112		200	HT95703		1.250	HT96127			
	400	HT95276		175	HT96113		250	HT95064		1.500	HT95721			
	450	HT96082		200	HT96114		320	HT95704		800	HT95101			
500	500	HT96083	40	100	HT95026	500	400	HT95066	250	1.000	HT95722			
				125	HT95027		500	HT96118		1.250	HT96128			
				160	HT95687					1.500	HT95102			
				200	HT95028					2.000	HT96129			
				250	HT95029					2.500	HT96130			
				320	HT95030									

L (mm)	W	N.	L (mm)	W	N.	L (mm)	W	N.	L (mm)	W	N.
300	600	HT96131	100	320	HT95737	250	500	HT96169	100	500	HT95757
	800	HT95723		400	HT95120		800	HT95747		800	HT95758
	1.000	HT95103		500	HT95121		1.000	HT95135		1.000	HT95759
	1.300	HT96132		650	HT95122		1.250	HT95136		1.250	HT95760
	1.600	HT95104		800	HT95123		1.600	HT95137		1.600	HT95761
	2.000	HT96133		1.000	HT95124		2.000	HT95748		650	HT95762
	2.500	HT96134		1.250	HT95125		800	HT96170		1.000	HT95763
Ø 16 mm			400	HT95738	300	1.000	HT95138	130	1.250	HT95764	
40	200	HT95724	500	HT95126		1.250	HT95139		1.600	HT95765	
	250	HT95107	650	HT95127		1.600	HT95749		2.000	HT95766	
	320	HT95725	800	HT95128		2.000	HT95141		800	HT95767	
	400	HT95108	1.000	HT95129		2.500	HT96171		1.000	HT95768	
	500	HT95726	1.250	HT95739		750	HT96172		1.250	HT95769	
50	200	HT95727	500	HT95740		1.000	HT96173		1.600	HT95770	
	250	HT95110	650	HT95741	1.300	HT96174	2.000	HT95771			
	320	HT95728	800	HT95742	1.600	HT96175	1.000	HT95772			
	400	HT95111	1.000	HT95743	2.000	HT96176	1.600	HT95773			
	500	HT95729	1.250	HT95744	2.500	HT96177	2.000	HT95774			
60	650	HT95730	1.600	HT95745	1.000	HT95142	2.500	HT95774			
	200	HT95112	800	HT96165	1.400	HT95143	1.000	HT96180			
	250	HT95731	1.000	HT96166	2.000	HT95144	1.250	HT95775			
	320	HT95732	1.250	HT96167	2.500	HT95145	2.000	HT95776			
	400	HT95114	1.600	HT96168	Ø 20 mm			2.500	HT95777		
80	500	HT95733	500	HT95130	320	HT95750	1.600	HT95778			
	650	HT95115	800	HT95131	500	HT95751	2.200	HT96181			
	250	HT95734	1.000	HT95132	800	HT95752	2.500	HT95779			
	320	HT95735	1.250	HT95133	320	HT95753	2.000	HT96183			
	400	HT95116	1.600	HT95746	500	HT95754	3.000	HT96185			
80	500	HT95117	2.000	HT95134	800	HT95755	1.600	HT95780			
	650	HT95118			1.000	HT95756	2.500	HT95781			
	800	HT95119			1.250	HT96178	3.000	HT96186			
	1.000	HT95736					3.500	HT96187			
							4.000	HT96188			

Sondas

Thermocouples



RESISTENCIAS PARA MAQUINARIA DE PACKAGING
CARTRIDGE HEATERS FOR PACKAGING MACHINES

El sistema completo para el packaging
APLICACIONES

Resistencia eléctrica para soldadura de film, marcado en caliente, moldear y calentar el aire.

CARACTERÍSTICAS

- Ejecución específica para uso en las barras de sellado con alta resistencia al choque y a la vibración.
- Disponible versión homologada "UL-CSA" e **UL**us.
- Amplia posibilidad de personalización.

The complete system for packaging
APPLICATIONS

Electrical cartridge heaters for welding film, hot stamping, thermo-forming.

CHARACTERISTICS

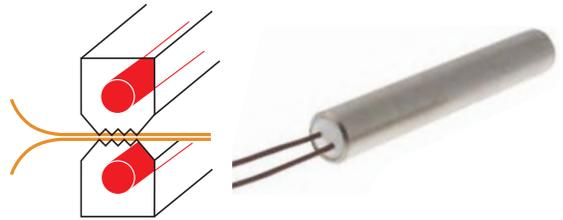
- Heaters for welding bars with high resistance to shock and to vibrations.
- Available in "UL-CSA" e **UL**us approved versions.
- Wide range of personalization.

GAMA DE PRODUCTOS
RANGE OF PRODUCTS

Resistencia cartucho
Cartridge heaters

Resistencias de cartuchos para mordazas de soldadura verticales u horizontales, para marcado en caliente, placas calientes para termomoldeado.

Cartridge heater for vertical and horizontal welding bars, for hot stamps, for thermo-forming hot plates.



Resistencias para ruedas calientes
Spiral heater

Resistencias para soldaduras circulares de rotación continua (horizontal flow-packers). Posibilidad de 1 o más vueltas para alcanzar una mayor potencia y una mejor distribución de calor.

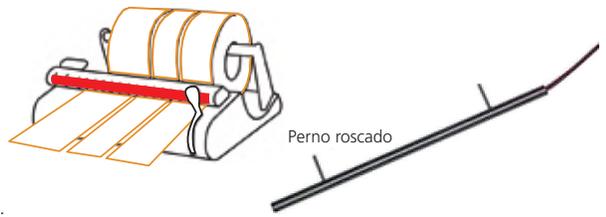
Heaters for circular welding machines with continuous rotating function (horizontal flow-packers). Possibility of 1 or 2 spirals executions for higher wattage and better heat distribution.



Calentador PTC
PTC heater

Calentador autorregulante para termoselladoras a ciclo y temperatura continua. Posibilidad de utilización con el film.

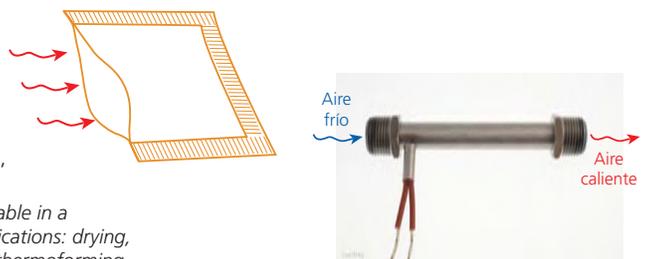
Self-regulating heater for thermo-sealing machines, constant temperature continuous cycle. Available option of PTC heating tube in touch with plastic film.



Calentadores para aire
Air heaters

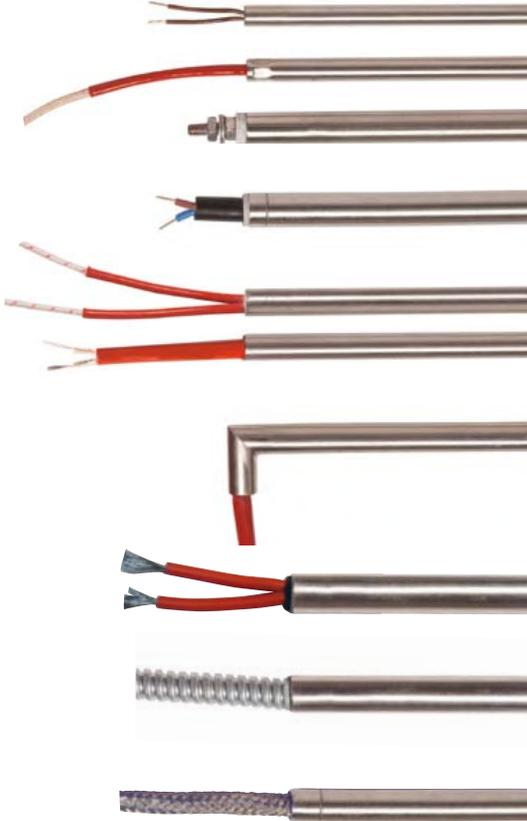
Este tipo de calentadores permiten calentar aire y gas en un amplio rango de tensiones y potencias. Aplicaciones: secado, esterilización, activación adhesiva, corte en caliente, termoformación, sellado, soldadura, fusión, termoretractil, o para metales.

Air heaters permit air and gas heating available in a wide range of wattages and voltages. Applications: drying, sterilization, adhesive activation, air knives, thermoforming, sealing, welding, casting, shrinking, metal working.



PARA MAQUINARIA DE PACKAGING FOR PACKAGING MACHINES

La solución ideal para muchas aplicaciones
The ideal solution for many applications



Solución estándar HT con cable Níquel/PTFE y sellado con tapón PTFE.

HT standard solution nickel/PTFE wires, PTFE cap.

Fabricado con un cable por cada extremo.

Execution with one wire on each side.

Fabricado con un perno por cada extremo.

Execution with one pin on each side.

Sumergible: cable multipolar y sellado que garantiza un grado de protección IP65.

Waterproof sealing in combination of multi-polar wire to guarantee IP65 protection grade.

Protección del cable con vaina de fibra de vidrio y silicona.

Fibreglass with silicon sleeves to protect leads.

Fabricado con una salida de 90 grados para proteger los cables.

90° execution to protect leads from failures due to dynamic stress.

Cables de cobre extraflexibles para máxima resistencia a la tensión dinámica.

Extra-flexible copper leads suitable for maximum dynamic stress resistance

Fabricado con protección flex en hierro zincado para aplicaciones donde los cables están sometidos a exigencias mecánicas.

Flexible galvanized metal conduit execution for applications where electrical leads are under mechanical stress such as hits, cutting etc.

Fabricado con trenza metálica para aplicaciones donde los cables eléctricos están sometidos a fricción.

Watertight metal braid execution for applications where electrical leads are under mechanical stress such as rubbing or industrial wear.

Resistencia con potencias compensadas

Differentiated wattage density cartridge heater



Solución para barras Soldaduras horizontales (mayor potencia en los extremos)

Solution for horizontal welding bar (Higher wattage density at opposite sides)

Solución para barras Soldaduras verticales (mayor potencia en la parte inferior)

Solution for vertical welding bar (Higher wattage density at lower sides)

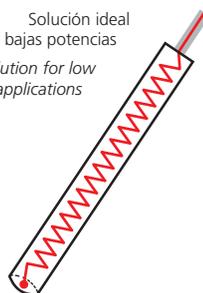


Resistencias con toma tierra

Ground heater

Solución ideal para bajas potencias

Ideal solution for low voltages applications



Resistencia con termopar integrada J o K

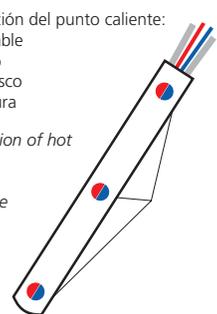
Heaters with built-in J or K thermocouples

Possible position of the hot point:

- lado del cable
- intermedio
- lado del disco de soldadura

Possible position of hot joint:

- Wire side
- Intermediate
- Disc side



Resistencias para estufas pellets

Pellets stoves heating elements

Code	Ø	Long. L	Long. Total	W	Rosca Threaded plug
ELD-62647	9,9	130	140	270	3/8"
ELD-62648	9,9	136	146	250	3/8"
ELD-62649	9,9	138	148	300	3/8"
ELD-62650	9,9	140	150	250	3/8"
ELD-62651	9,9	140	150	280	3/8"
ELD-62652	9,9	140	150	300	3/8"
ELD-62653	9,9	143	153	250	3/8"
ELD-62654	9,9	150	160	300	3/8"
ELD-62655	9,9	150	160	280	3/8"
ELD-62656	9,9	170	180	300	3/8"
ELD-62657	10	300	340	250	M14 x 1,5
ELD-62659	12,5	153	163	330	3/8"
ELD-62660	12,5	160	170	350	3/8"
ELD-62663	12,5	160	170	350	1/2"
ELD-62664	12,5	180	190	450	1/2"
ELD-62665	12,5	180	190	350	1/2"
ELD-62666	12,5	180	190	350	3/8"
ELD-62682	12,5	194	204	420	3/8"

Code	Ø	Long. L	Long. Total	W	Rosca Threaded plug
ELT-62683	9,5	188	188	250	No
ELT-62684	9,9	150	150	250	No
ELT-62685	9,9	155	155	300	No
ELT-62686	10	155	155	280	No
ELT-62687	10	155	155	300	No
ELT-62688	9,9	160	160	300	No
ELT-62700	10,2	155	155	300	No
ELT-62701	10	180	180	320	No
ELT-62702	12,5	150	150	250	No
ELT-62703	12,5	160	160	350	No

Code	Ø	Long. L	Long. Total	W	Pletina
ELF-62704	9,9	145	160	250	Sí / Yes
ELF-62705	12,5	150	160	350	Sí / Yes
ELF-62706	12,5	160	170	350	Sí / Yes

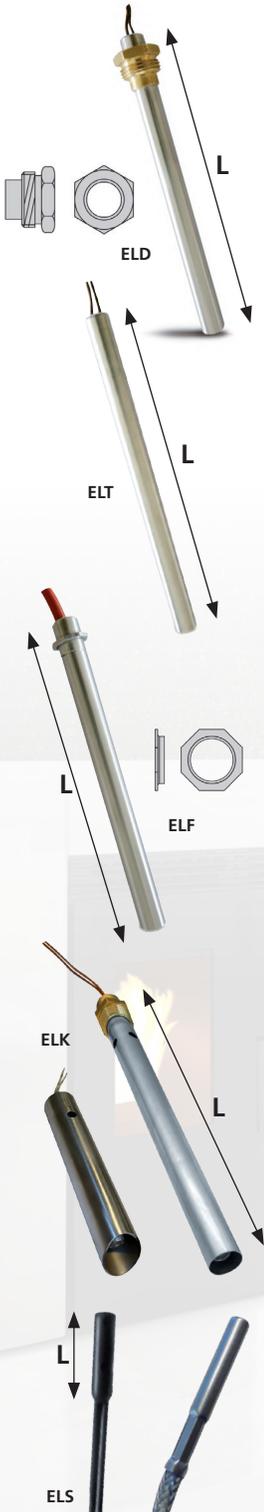
Code	Ø	Long. L	Long. Total	W
ELK-62707	9,9	185	185	350
ELK-62708	16	120	120	350

Code	Ø	Long. L	Long. Total	
ELS-51211	5	20	550	Thermocouple NTC
ELS-95661	4	50	1.000	Thermocouple J cable TTS - con muelle

* L de Cable 500 mm.

* Bolsas de 10 piezas con saquito antihumedad.

* Adaptable con las principales marcas.



RESISTENCIAS CERÁMICAS PARA ESTUFAS DE PELLETS CERAMIC HEATERS

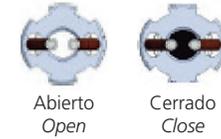
CARACTERÍSTICAS

- Temperatura del elemento 1000 °C en continuo operación o intercambio.
- Resistente a la oxidación y corrosión.
- Método simplificado de intercambio de calor por el paso del aire tanto externamente como dentro del calentador.
- Compatibilidad con biomasa y estufas de pellets.

FEATURES

- Temperature of the element 1000 °C in continuous operation or interchanging.
- Resistant to oxidation and corrosion.
- Simplified method of heat exchange by the passage of air both externally and within the heater.
- Compatibility with biomass and pellet stoves.

Code	Ø	Long. L	W	Características Feature
KH67229	11,55	89	330	Abierto / Open
KH67230	11,55	89	280	Abierto / Open
KH67053	11,55	89	230	Abierto / Open
KH71756	11,55	89	200	Abierto / Open
KH67235	11,55	89	330	Cerrado / Close
KH67236	11,55	89	280	Cerrado / Close
KH67237	11,55	89	230	Cerrado / Close
KH71938	11,55	89	200	Cerrado / Close



Code	Ø	Long. L	W	Características Feature
KH64938	11,55	94	330	Abierto / Open
KH66603	11,55	94	280	Abierto / Open
KH67231	11,55	94	230	Abierto / Open
KH71755	11,55	94	200	Abierto / Open
KH67232	11,55	94	330	Cerrado / Close
KH67233	11,55	94	280	Cerrado / Close
KH67234	11,55	94	230	Cerrado / Close
KH71937	11,55	94	200	Cerrado / Close



Code	Ø	Long. L	W	Características Feature
KH74736	11,55	96	330	Cerrado / Close
KH74737	11,55	96	280	Cerrado / Close
KH74738	11,55	96	230	Cerrado / Close
KH74739	11,55	96	200	Cerrado / Close



Termostatos pellets Pellet thermostats

Code	Temperatura
SP-541510	90-110°C
SP-541651	80°C
SP-542382	90°C



**RESISTENCIAS DE CUARZO PARA ESTUFAS DE PELLETT
QUARTZ HEATERS**
CARACTERÍSTICAS

- Máxima temperatura del elemento 1100°C.
- Resistente a la corrosión.
- Rápido aumento de la temperatura.

FEATURES

- MAX Temperature of the element 1100°C.
- Resistant to corrosion.
- Heating up quickly.


 Abierto
Open

 Cerrado
Close

Code	Ø	Long. L	Total Long. L	W	Cable L	Version
CM74662	11,4	80	114	330	350	Cerrado / Close
CM74663	11,4	110	128	330	350	Cerrado / Close
CM74660	11,4	101	137	330	350	Cerrado / Close
CM74661	11,4	101	137	330	350	Abierto / Open
CM74664	11,4	89	134	330	350	Abierto / Open
CM74665	11,4	89	134	330	350	Cerrado / Close


CM74662

CM74660-CM74661

CM74663

CM74664-CM74665

RESISTENCIAS ALETEADAS ESTRECHAS

an excellent choice for air heating applications

DESCRIPTION

Rapid Heat Transfer to air from large finned area. Similar in construction to the Strip Heaters these heaters include locked-on fins. Lower sheath temperature and element life are all maximized by this finned construction. The fins are specially designed and mechanically attached to provide efficient heating in many air or gas process heating applications. Fins are attached in a way that maximizes surface contact so heat is transferred into the air faster. Approximately 5 millimeters between each fin.

APPLICATIONS

Shrink tunnels
Duct heaters
Space heaters

Heat curing
Ink drying
Food warmers

Drying ovens
Incubators
Load bank resistors

Process welding
Dehumidifiers
Electrical motors

SPECIFICATIONS

Core dimensions: 10 mm x 40 mm

Sheath Material: stainless steel

Fin dimensions: 37 mm x 52 mm

Fin Material: Stainless steel, aluminium or galvanized iron

Maximum Watt Density: 8.0 W/cm²

Maximum Operating Temperatures: 450°C

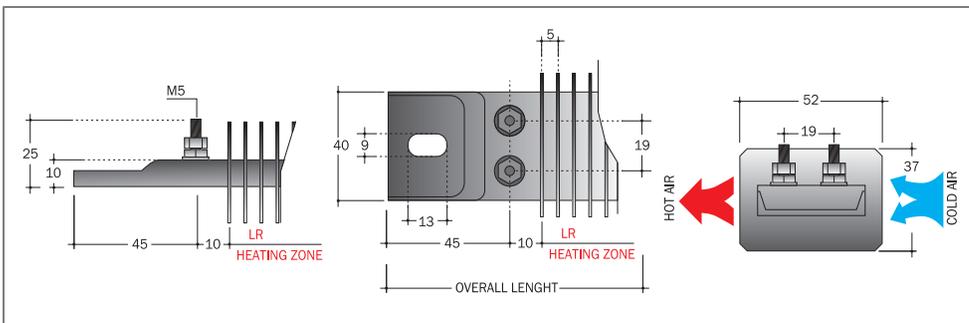
Possible electric connections: all monophase voltages

Terminations Type: Off set terminations, Parallel terminals, terminal at each end. Strip heaters are also available with flexible cables.

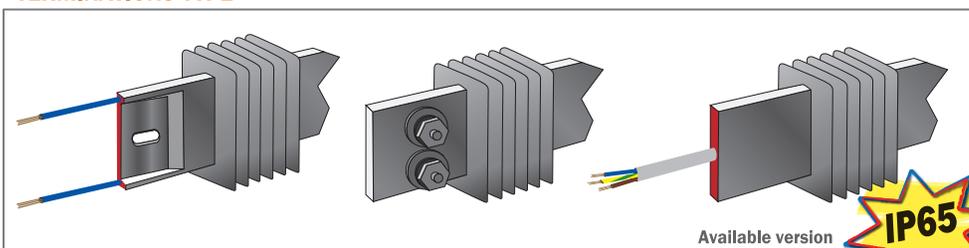
Strip heaters can also be provided with mounting holes for an optimum security fixing.

Finned strip heaters are available in a full range of sizes, wattages and voltages. Please do not hesitate to contact us for application or product assistance.

FINNED STRIP HEATER CHARACTERISTICS



TERMINATIONS TYPE

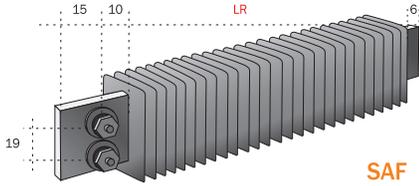


RESISTENCIAS ALETEADAS ESTRECHAS

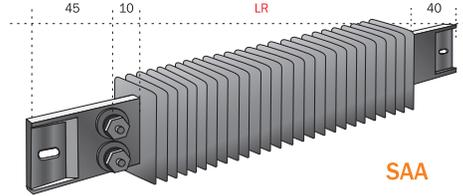
TERMINATION OPTIONS

STANDARD VERSION

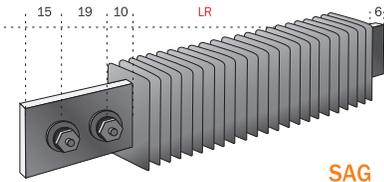
VERSION WITH MOUNTING HOLES



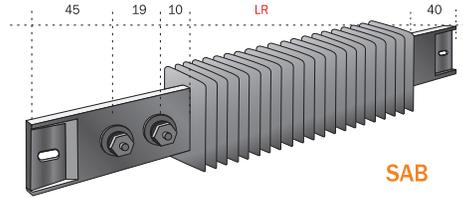
Vertical Alignment
Terminals at one end



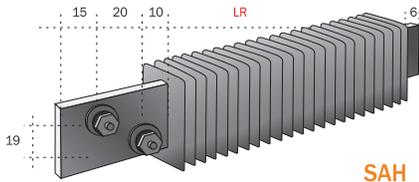
SAA



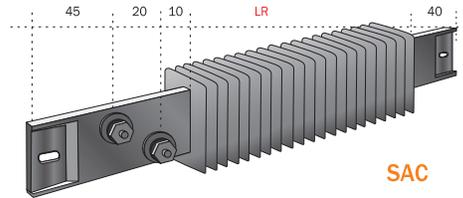
Horizontal Alignment
Terminals at one end



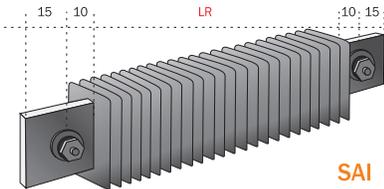
SAB



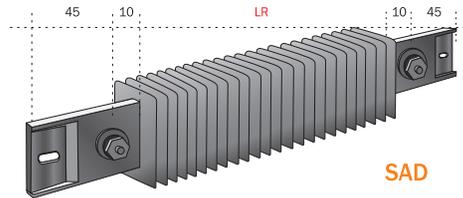
Offset
Terminals at one end



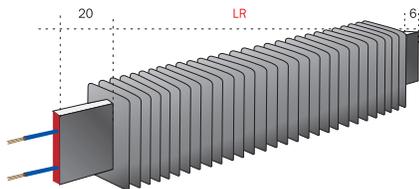
SAC



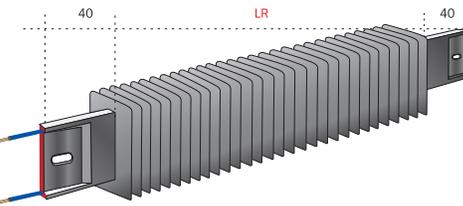
One terminal
at each end



SAD



Flexible high temperature
insulated leads at one end



SAE

RESISTENCIAS RECTANGULARES ESTRECHAS

an excellent choice for surface contact heating

DESCRIPTION

Strip heaters are used for heat transfer by conduction towards surfaces or by convection to heat liquids, air or gases. Strip heater sheaths are constructed in stainless steel. The heaters have ceramic cores for high temperature applications which isolate the Ni-Cr spiral coil and filling with magnesium oxide guaranteeing a better thermic exchange.

APPLICATIONS

Vacuum Packaging machines
Food warming

Autoclaves
Flat surfaces for presses

Tank and plate heating
Ovens

SPECIFICATIONS

Core dimensions: 10 mm x 40 mm

Sheath Material: stainless steel

Maximum Watt Density: 6,0 W/cm²

Maximum Operating Temperature: 450°C

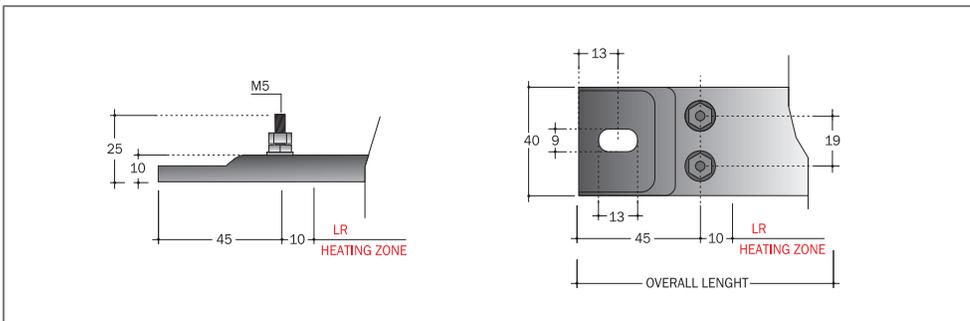
Possible electric connections: All monophase voltages

Terminations Type: Off set terminations, Parallel terminals, terminal at each end. Strip heaters are also available with flexible cables.

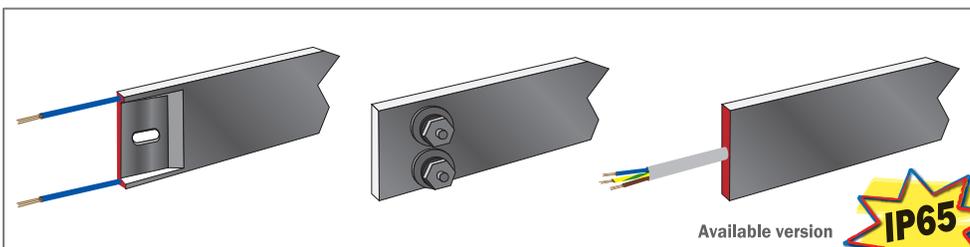
Strip heaters can also be provided with mounting holes for an optimum security fixing.

Strip heaters are available in a full range of sizes, wattages and voltages. Please do not hesitate to contact us for application or product assistance.

STRIP HEATER CHARACTERISTICS



TERMINATIONS TYPE

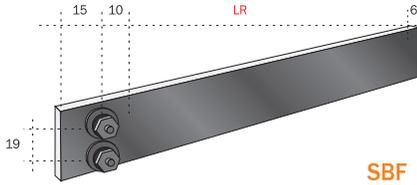


RESISTENCIAS RECTANGULARES ESTRECHAS

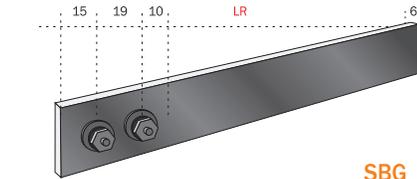
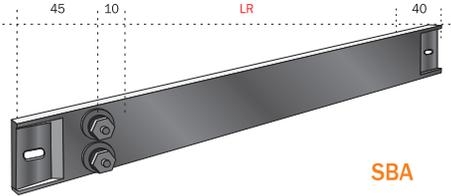
TERMINATION OPTIONS

STANDARD VERSION

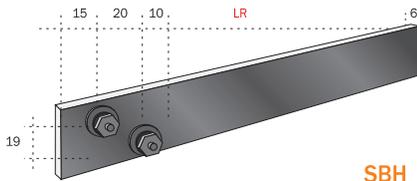
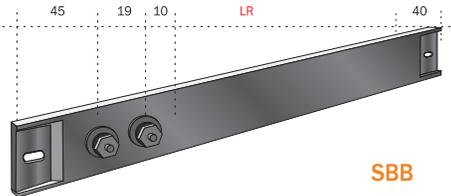
VERSION WITH MOUNTING HOLES



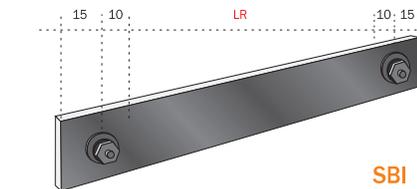
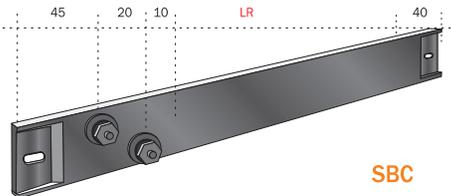
Vertical Alignment
Terminals at one end



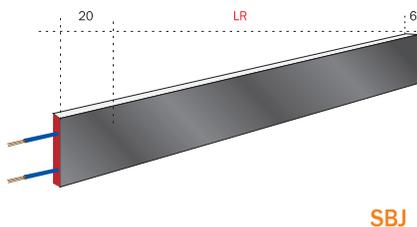
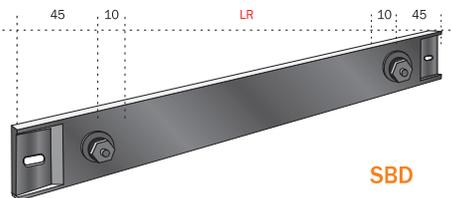
Horizontal Alignment
Terminals at one end



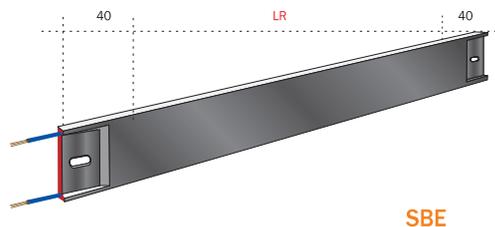
Offset
Terminals at one end



One terminal
at each end



Flexible high temperature
insulated leads at one end



RESISTENCIAS ELÉCTRICAS Y COMPONENTES DE CAUCHO, S.A.



Moianés, 62
08014 Barcelona - España