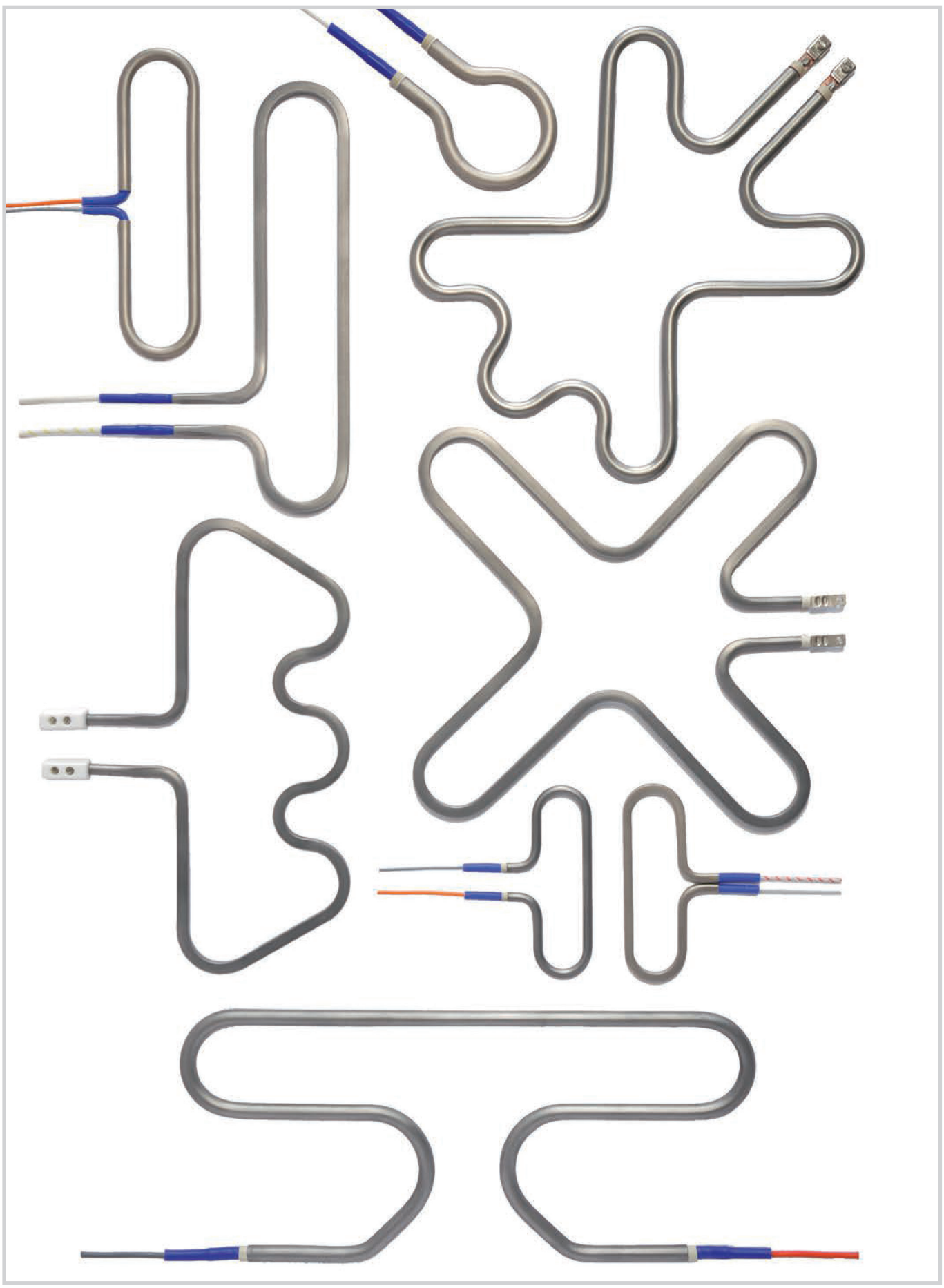




Zoppas Industries
Heating Element Technologies



TUBULAR HEATERS

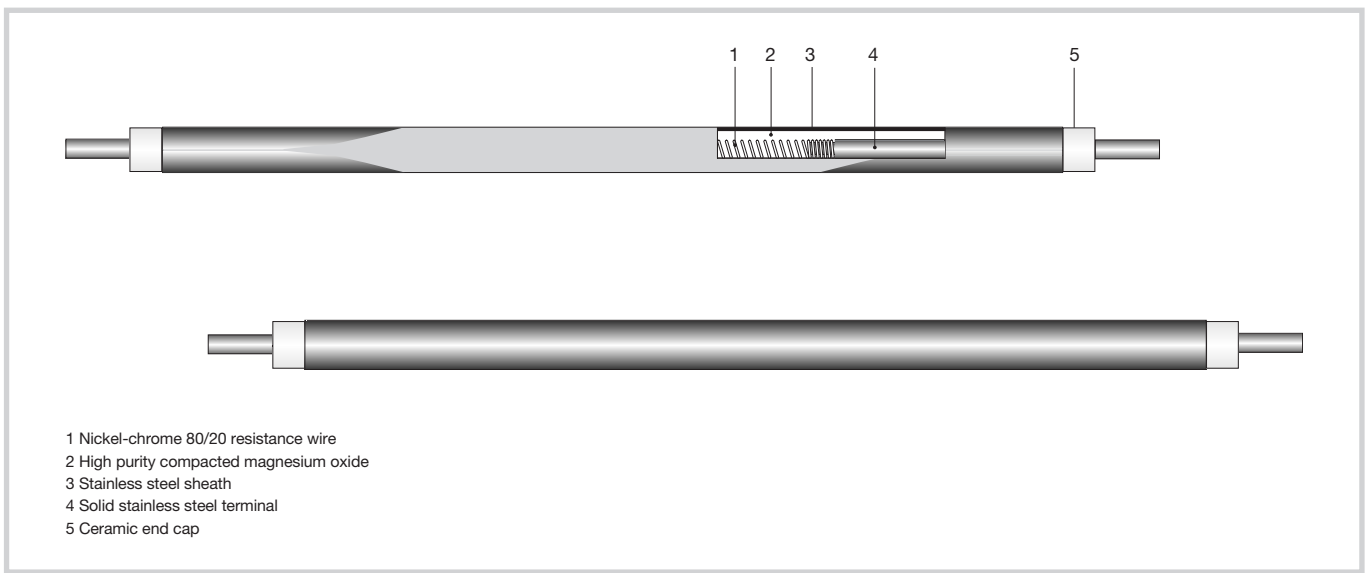


TUBULAR HEATERS

We develop and supply a wide range of tubular electric heating elements.

The careful selection of raw materials and the strict quality standards governing our processes guarantee our tubular heating elements high quality, reliability over time (even at high temperatures and specific loads), chemical-mechanical resistance, and safety under any conditions.

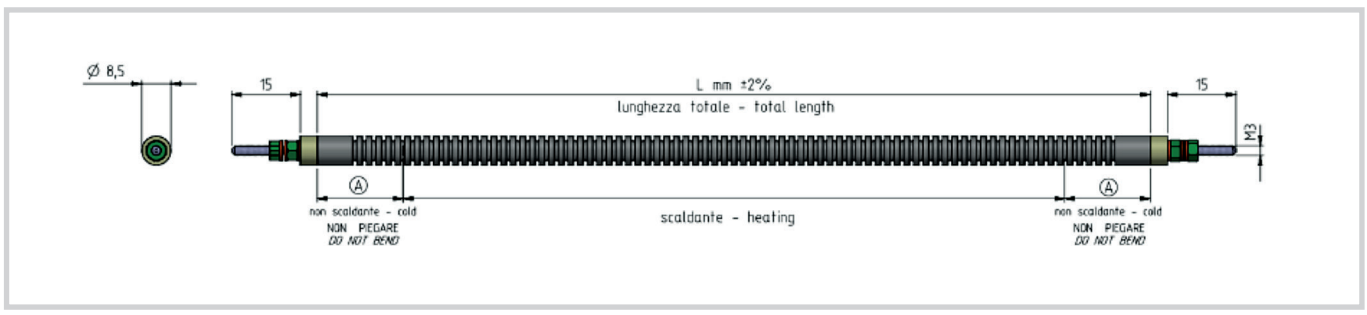
Our quality laboratories systematically check the quality of the materials used, which are also guaranteed by a traceability system.

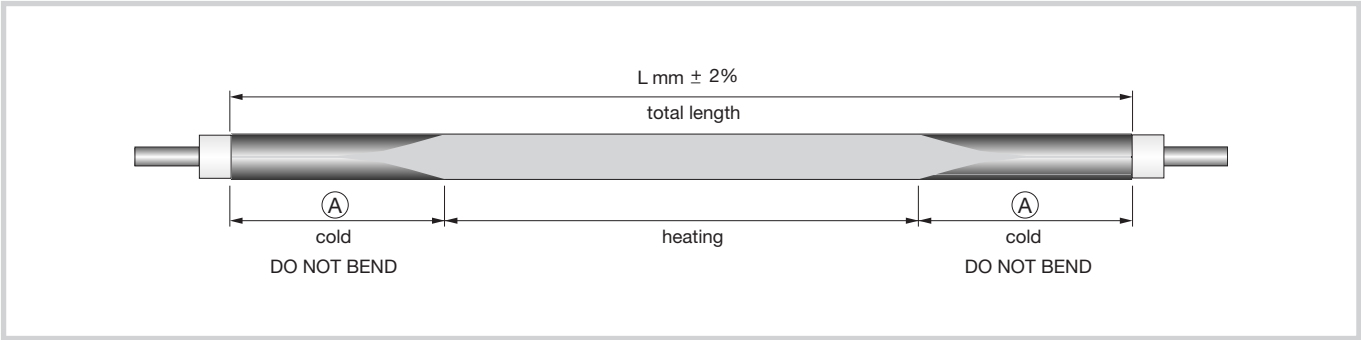
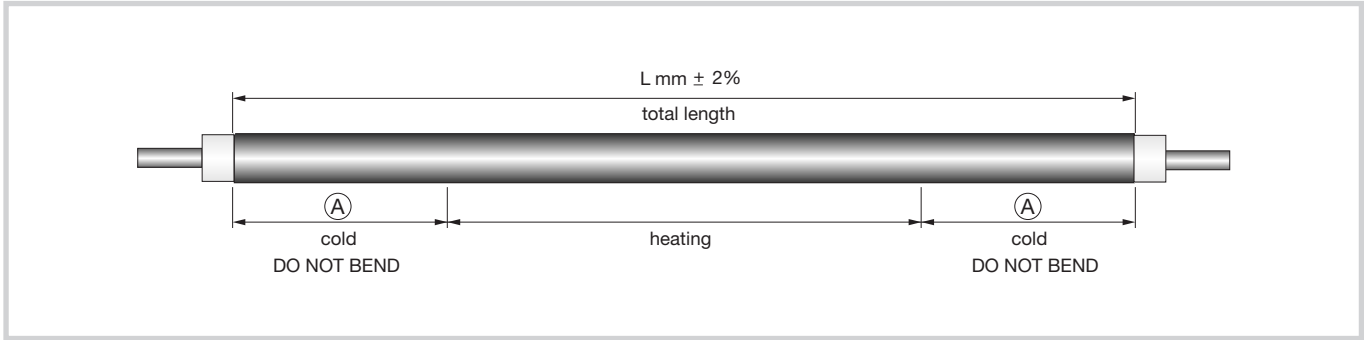


CONSTRUCTIVE SPECIFICATIONS AND TOLERANCES:

Wattage	+ 10% - 10%
Resistance	+ 10% - 10%
Dielectric strength (voltage applied)	1500 V
Insulation (cold 500 Vdc)	> 10 MΩ
Leakage current (cold)	< 0,5 mA
Maximum working temperature allowed on sheath	750 °C
Length tolerance	± 2 %
Nickel sheath upon request	

FLEXIBLE TUBULAR HEATER





RT50 ±0,15 ±5 Ø 5,0 mm (A) 25 mm		
L mm	W 230V	RT50
250	200	60.050.025.0200
300	250	60.050.030.0250
350	300	60.050.035.0300
400	350	60.050.040.0350
450	400	60.050.045.0400
500	450	60.050.050.0450
550	500	60.050.055.0500
600	550	60.050.060.0550
650	600	60.050.065.0600
700	650	60.050.070.0650
750	700	60.050.075.0700
800	750	60.050.080.0750
850	800	60.050.085.0800
900	850	60.050.090.0850
950	900	60.050.095.0900
1000	950	60.050.100.0950

RT65 ±0,15 ±5 Ø 6,5 mm (A) 30 mm		
L mm	W 230V	RT65
350	550	60.065.035.0550
400	650	60.065.040.0650
450	750	60.065.045.0750
500	800	60.065.050.0800
550	900	60.065.055.0900
600	1000	60.065.060.1000
650	1100	60.065.065.1100
700	1200	60.065.070.1200
750	1300	60.065.075.1300
800	1350	60.065.080.1350
850	1450	60.065.085.1450
900	1550	60.065.090.1550
950	1650	60.065.095.1650
1000	1750	60.065.100.1750
1050	1850	60.065.105.1850
1100	1950	60.065.110.1950
1150	2050	60.065.115.2050
1200	2100	60.065.120.2100
1250	2200	60.065.125.2200
1300	2300	60.065.130.2300
1350	2400	60.065.135.2400
1400	2500	60.065.140.2500
1450	2600	60.065.145.2600
1500	2700	60.065.150.2700
1550	2800	60.065.155.2800

RT85 ±0,15 ±5 Ø 8,5 mm (A) 40 mm		
L mm	W 230V	RT85
900	2100	60.085.090.2100
1000	2300	60.085.100.2300
1100	2500	60.085.110.2500
1200	2700	60.085.120.2700
1300	2900	60.085.130.2900
1400	3100	60.085.140.3100
1500	3300	60.085.150.3300
1600	3500	60.085.160.3500
1700	3700	60.085.170.3700
1800	3900	60.085.180.3900
1900	4100	60.085.190.4100
2000	4300	60.085.200.4300

RT44 ±0,15 ±5 4,5x4,5 mm (A) 25 mm		
L mm	W 230V	RT44
250	200	60.044.025.0200
300	250	60.044.030.0250
350	300	60.044.035.0300
400	350	60.044.040.0350
450	400	60.044.045.0400
500	450	60.044.050.0450
550	500	60.044.055.0500
600	550	60.044.060.0550
650	600	60.044.065.0600
700	650	60.044.070.0650
750	700	60.044.075.0700
800	750	60.044.080.0750
850	800	60.044.085.0800
900	850	60.044.090.0850
950	900	60.044.095.0900
1000	950	60.044.100.0950

RT55 ±0,15 ±5 5x5 mm (A) 25 mm		
L mm	W 230V	RT55
250	200	60.055.025.0200
300	250	60.055.030.0250
350	300	60.055.035.0300
400	350	60.055.040.0350
450	400	60.055.045.0400
500	450	60.055.050.0450
550	500	60.055.055.0500
600	550	60.055.060.0550
650	600	60.055.065.0600
700	650	60.055.070.0650
750	700	60.055.075.0700
800	750	60.055.080.0750
850	800	60.055.085.0800
900	850	60.055.090.0850
950	900	60.055.095.0900
1000	950	60.055.100.0950

RT66 ±0,15 ±5 6x6 mm (A) 30 mm		
L mm	W 230V	RT66
350	550	60.066.035.0550
400	650	60.066.040.0650
450	750	60.066.045.0750
500	800	60.066.050.0800
550	900	60.066.055.0900
600	1000	60.066.060.1000
650	1100	60.066.065.1100
700	1200	60.066.070.1200
750	1300	60.066.075.1300
800	1350	60.066.080.1350
850	1450	60.066.085.1450
900	1550	60.066.090.1550
950	1650	60.066.095.1650
1000	1750	60.066.100.1750
1050	1850	60.066.105.1850
1100	1950	60.066.110.1950
1150	2050	60.066.115.2050
1200	2100	60.066.120.2100
1250	2200	60.066.125.2200
1300	2300	60.066.130.2300
1350	2400	60.066.135.2400
1400	2500	60.066.140.2500
1450	2600	60.066.145.2600
1500	2700	60.066.150.2700
1550	2800	60.066.155.2800

STANDARD LEADS

Fiberglass-silicone insulated Ni conductor.
Up to 350°C

PTFE insulated Ni conductor.
Up to 270°C

Minimum bending radius	
Model	R min mm
RT44 - RT50	12
RT55 - RT65 - RT66	15
RT85 - RT88	20

Threaded terminals type B	
Special execution	
Model	Thread
RT44 - RT50	M2.5
RT55 - RT65 - RT66	M3
RT85 - RT88	M3 - M4

RT88 ±0,15 ±5 8x8 mm (A) 40 mm		
L mm	W 230V	RT88
900	2100	60.088.090.2100
1000	2300	60.088.100.2300
1100	2500	60.088.110.2500
1200	2700	60.088.120.2700
1300	2900	60.088.130.2900
1400	3100	60.088.140.3100
1500	3300	60.088.150.3300
1600	3500	60.088.160.3500
1700	3700	60.088.170.3700
1800	3900	60.088.180.3900
1900	4100	60.088.190.4100
2000	4300	60.088.200.4300

TERMINALS

Please state required terminals in your purchase order

PLAIN TERMINAL

A

FASTON

C

THREADED FLAG

D

THREADED PIN
Special execution (see pag. 4)

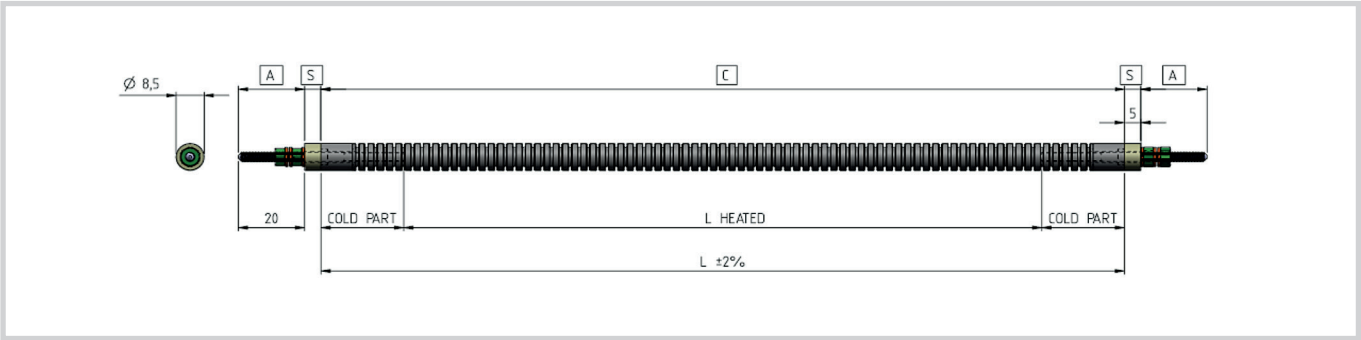
B

CRIMPED LEAD

E

Installation





CONSTRUCTIVE SPECIFICATIONS AND TOLERANCES:

Wattage	+ 10% - 10%
Resistance	+ 10% - 10%
Dielectric strength (voltage applied)	1500 V
Insulation (cold 500 Vdc)	> 10 MΩ
Leakage current (cold)	< 0,5 mA
Maximum working temperature allowed on sheath	750 °C
Length tolerance	± 2 %
Nickel sheath upon request	

LOW DENSITY RESISTANCE

RT85 $\varnothing 8,5 \text{ mm}$ $\pm 0,15$ ± 5 A 30mm		
L mm	W 230V	RT85
500	700	64.085.050.0700
550	780	64.085.055.0780
600	860	64.085.060.0860
650	950	64.085.065.0950
700	1000	64.085.070.1000
750	1100	64.085.075.1100
800	1190	64.085.080.1190
850	1250	64.085.085.1250
900	1350	64.085.090.1350
950	1430	64.085.095.1430
1000	1500	64.085.100.1500
1050	1590	64.085.105.1590
1100	1650	64.085.110.1650
1150	1750	64.085.115.1750
1200	1830	64.085.120.1830
1250	1900	64.085.125.1900
1300	1990	64.085.130.1990
1350	2070	64.085.135.2070
1400	2150	64.085.140.2150
1450	2230	64.085.145.2230
1500	2300	64.085.150.2300

HIGH DENSITY RESISTANCE

RT85 $\varnothing 8,5 \text{ mm}$ $\pm 0,15$ ± 5 A 30mm		
L mm	W 230V	RT85
300	650	64.085.030.0650
350	750	64.085.035.0750
400	900	64.085.040.0900
450	1050	64.085.045.1050
500	1150	64.085.050.1150
550	1300	64.085.055.1300
600	1450	64.085.060.1450
650	1600	64.085.065.1600
700	1750	64.085.070.1750
750	1900	64.085.075.1900
800	2050	64.085.080.2050
850	2200	64.085.085.2200
900	2350	64.085.090.2350
950	2500	64.085.095.2500
1000	2650	64.085.100.2650
1050	2800	64.085.105.2800
1100	2930	64.085.110.2930
1150	3060	64.085.115.3060
1200	3190	64.085.120.3190
1250	3320	64.085.125.3320
1300	3450	64.085.130.3450
1350	3580	64.085.135.3580
1400	3710	64.085.140.3710
1450	3840	64.085.145.3840
1500	3970	64.085.150.3970



60
Years of
experience

>8000
Employees
of the group

15
Countries
with offices

Why to choose us

- Increasing efficiency using lean enterprise across all facilities and departments.
- State-of-the-art laboratory facilities with over 30 years' design experience.
- Manufacturing and design facilities which maintain Quality Management Systems according to ISO 9001, EN 9100 and IATF 16949, Environmental Management System according to ISO 14001 and Energy Management System according to ISO 50001.
- One of the widest product portfolios in the World, including completely integrated thermal assemblies with sensors, connectors, enclosures, etc.
- Global presence through design and manufacturing facilities across Europe, North America, South America and Asia - lowering your Total Cost of Ownership (TCO) including reduced logistics, design, communication and support costs.
- In-house design, development and R&D capabilities, such as CAD 3D design, FEA, DOE, FMEA.
- Third-party certifications, such as UL and VDE: marking applied on customer's request.



COMPANY CERTIFICATIONS



PRODUCT TRADEMARKS





Zoppas Industries
Heating Element Technologies

Via Podgora, 26
31029 Vittorio Veneto (TV) - Italy
Phone: +39 0438 9101
marketing@zoppas.com
www.zoppasindustries.com

Zoppas Industries Heating Element Technologies
Euroheat Division

Corso Lombardia, 50
10099 San Mauro Torinese (TO) - Italy
Phone: +39 011 2236161
Codice Fiscale, P.IVA 06032080019
info@euroheat.zoppas.com
www.zoppasindustries.com