

"TH" HIGH HEATING DENSITY ELECTRIC HEATING CARTRIDGES, MODELS IN mm.

General characteristics

- Stainless steel tube AISI 321 rectified and calibrated, welded bottom, sealed to a pressure of 60 Kg/cm²
- Resistance of 80-20 Nickel-Chrome wire, melting point 1400 °C
- Highly compacted electromelted magnesium oxide.
- Braided nickel cables, covered with siliconized fiber glass, clamped with stainless tubular terminal on pure nickel wires that lead from the cartridge, 250 mm long, except thermocouple cables which measure 1000 mm.
- Cold zones: According to diameter, 6 to 12 mm on the connection side, and 4 to 8 mm on the welded bottom side.
- Standard voltage ~230 V.
- If you require, we can supply heating cartridges according to your specifications:
 - Diameters
 - Lengths
 - Connections: On the basis of nickel wires leading from the cartridge, other executions may be provided, such as fixed connection strips, special cables, connection elbows, flexible metal tube, sealed connections, etc.
 - All cartridges may be supplied with built-in Fe-Co thermocouple.



Diameter in mm	Length in mm	Watts					With built-in Fe-Co thermocouple
6,5	40		100	125	160-175	200	100
	50		100	160	200	250	200
	60		125	200	250	315	
	80	125	180	280	350		
	100	160	220	350			350
8	40		100	160	200	250	
	50		125	200	250	315	
	60	100	140	220	280	350	
	80	160	200	315	400		
	100	180	280	400			
10	130	250	400				
	40	100	125	200	250	315	200
	50	100	160	250	315	400	250
	60	125	180	315	400	500	400
	80	160	250	400	500	630	250
	100	220	350	560	700	850	
	160	400	630	800			400
12,5	40	100	160	250	315	400	
	50	100	200	315	400	500	
	60	125	200	315	400	500	
	80	200	315	500	630	800	
	100	250	400	630	800	1000	
	130	400	630	1.000	1.250		
	160	500	800	1.250			
	200	630	900				
16	40		100	250	315	400	
	50	160	250	400	500	630	
	60	160	250	400	500	630	
	80	280	400	630	800	1000	
	100	350	500	800	1000	1250	
	130	500	700	1.100	1.400	1800	
	160	630	900	1.600	1800		
	200	800	1.250	2.000			
	250	1000	1600				
	300	1.250	1800				
20	60	200	315	500	630	800	
	80	350	500	800	1000	1250	
	100	450	630	1.000	1.400	1600	
	130	630	900	1.400	1800	2200	
	160	800	1100	1.800	2200		
	200	1000	1600	2.500			
	250	1.250	2000				
300	1600	2200					
Heating density		8 to 11 W/cm ²	12 to 19 W/cm ²	20 to 24 W/cm ²	25 to 29 W/cm ²	30 to 35 W/cm ²	

Tolerances

- **Diameter:** -0,02 mm
-0,08 mm
- **Length:** Up to 130 mm → ± 2 mm
From 160 mm → ± 1,5% of the total length