

### "CFOR" HIGH HEATING DENSITY ELECTRIC HEATING CARTRIDGES, MODELS IN mm.

#### General characteristics

- Stainless steel tube AISI 321 ground and calibrated, welded bottom, sealed to a pressure of 60 Kg/cm<sup>2</sup>
- Resistance of 80-20 Nickel-Chrome wire, melting point 1400 °C
- Highly compacted electromelted magnesium oxide.
- Braided nickel cables, covered with siliconized fiber glass flexible from inside, 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	30				160-200-300	
	40		100	125	165	200
	50		100-125-150	160	200	250
	60		125-170-180	200	250	315
	80	125-170	200-250	280-300-315	350	
	100	100-160-200	220-250-315	350-400		350
	130	220	300-350-400			
	160	250-350	400			
	180	250-350	400			
	200	350-400	500			
8	250	250-350-400	500			
	40		100-140	160	200	250
	50		125-160	200	250	315
	60	100-125-140	160-200-220	250-280	315-350	350
	80	160-180-200	250-280-315	350-400		315
	100	180-200-250	280-315-400			
	130	250-315	400			
	160	200-315	400			
	180	250-300-400	500			
	200	300-400-500				
10	250	300-400-500				
	40	100	125-160-165	200	250	315-400
	50	100-125	165-200	250	315	400-500
	60	125-170	200-250	315-350	400-450	500
	80	100-150-160-200	220-250-300-315	400-500	630	850
	100	125-150-220-250	315-350-400	500-560	630-700	850
	130	250-315-350	400-500-630	750-800	1000	500-1000
	160	160-315-400-500	600-630-750-800			630
	180	300-500	600-800			
	200	250-300-400-500	600-630-1000			
12,5	250	200-400-630	800-1000	1600		
	40	100	160-200	250	315	400
	50	100-150-160	200-250	315	400	500
	60	125-160-200	250-315	400	500	630
	80	150-200-250	315-400	500-630	800	1000
	100	250-315-400	500-630	800	1000	1250
	130	350-400	500-630-800	1000	1250	
	160	400-500	630-800-1000	1250		
	180	500-670	800-1000	1250		670
	200	500-630-800	900-1000	1500		
16	250	630-800-900	1000-1250-1500			
	300	600-1000	1250-1500	2000		
	40	100-160	200-250	315	400	500
	50	160-200	250-315	400	500	630
	60	160-200-250	315-400	500	630	
	80	250-280-315	400-500-630	800-850	1000	
	100	350-400-500	630-800	1000	1250	
	130	400-500-630	700-800	1000	1400	1800
	160	500-630-800	900-1000-1250	1600-1800		
	180	600-850	1000-1250	1500-1800		
20	200	500-800-1000	1250	2000		2000
	250	800-1000-1250	1600-2000			
	300	1000-1250-1500	1800-2000			
	50	200-250	315-400			
	60	200	315-400-500	630	800	
	80	315-350-400	500	800	1000-1250	
	100	400-450-500	630-800	1000-1250	1400-1600	1800
	130	500-630	900-1000-1250	1400	1800	2200
	160	800-1000	1250	1800	2200	
	180	1000	1250-1600	1800		
<b>Heating density</b>		6 to 11 W/cm <sup>2</sup>	12 to 19 W/cm <sup>2</sup>	20 to 24 W/cm <sup>2</sup>	25 to 29 W/cm <sup>2</sup>	>30 W/cm <sup>2</sup>

#### Tolerances

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