


## Watlow Cartridge Heaters & Insertion Heaters

Watlow designed and manufactured the first swaged cartridge heater and revolutionized the heating element industry. With premium materials and tight manufacturing controls, Watlow's cartridge/insertion heaters provide superior heat transfer, uniform temperatures, resistance to oxidation and corrosion and long life even at high temperatures. Customers benefit from Watlow's custom designs, on-time delivery, quality and technical assistance.

Product		Material	Maximum Operating Temperatures		Maximum Watt Densities	
			°F	°C	W/in2	W/cm2
	FIREROD® Cartridge	Incoloy®	1400	760	400	62
		Stainless steel	1000	540	400	62
	High Temperature FIREROD®	Incoloy®	1800	982	100	15.5
	Metric FIREROD	Incoloy®	1400	760	330	50
	MULTICELL™	Alloy	2050	1120	30	4.6