



CuadraWatt: Square Heaters

Easy installation

They are especially designed for quick adaptation in moulds or surfaces where the use of rivets either causes problems or impossible to use. **Cuadrawatt** cartridges are the better choice. Cartridges with a low wattage are most suitable for moderate heating up to a maximum temperatures of 300°C. The square tube is made of prime quality stainless steel.



All the tubes are perfectly calibrated both inside and outside, into which a long-life ceramic piece is inserted. The tube stands up to a continuous temperature variation and has the best possible thermic conductivity, as the ceramic piece is in contact with the wall of the tube, which makes a perfect distribution of heat possible. The heater wire is inside the ceramic piece. The nickel-chromium heater wire is of first-class quality and is the most suitable for the manufacture of cartridge heaters due to its high tolerance to high temperatures.

Everything is coated with checked granulometric magnesium oxide. The whole interior of the cartridge is also coated. Therefore, there is excellent conductivity between the heater wire and the object to be heated.

- Monophase
- Triphase
- Compensated

Technical Data

Heat intensity	*
Power	Depends on the dimension
Escape of current (when cold)	$\leq 0.1 \text{ mA}$ a 242 v.
Insulation (when cold)	$\leq 5 \text{ mA}$. a 500v.
Dielectric strength	1500v. 1/seg
Working temperature	350°G max.
Tolerance of length	+/-1.5%
Tolerance of diameter	+/-0.1
Tolerance of cut of connexion	+/-15 mlm
Power tolerance (w)	+ 5 % - 10 %
Cold areas	Depends on length and diameter

Use

Cuadrawatt cartridges are especially suitable for all areas requiring moderate temperatures, above all for large surfaces.

Applications

- Tempering of moulds
- Vulcanization
- Heating of large metal plates

Call us now to discuss your resistance thermometer needs.