

Cartridge heaters

For packaging machines

THE COMPLETE SYSTEM FOR PACKAGING

Electrical cartridge heaters for welding film, hot stamping, thermo-forming

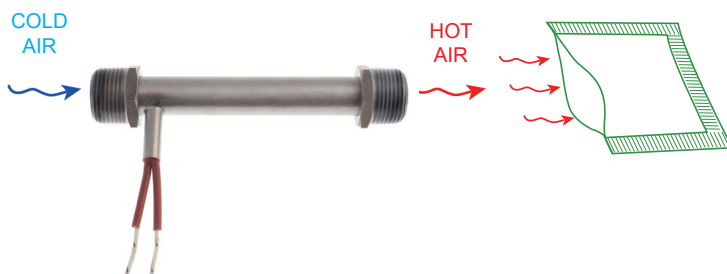
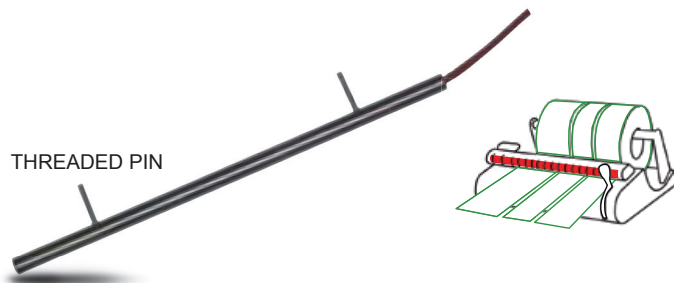
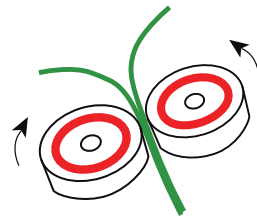
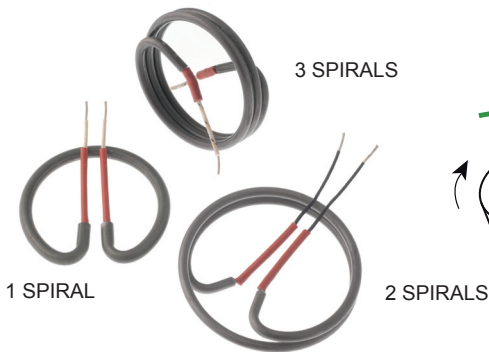
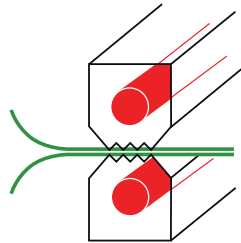
Heaters for welding bars with high resistance to shock and to vibrations

Available in "UL-CSA" e c  approved versions

Air process heaters

Wide range of personalization

Range of products



CARTRIDGE HEATERS

Cartridge heater for vertical and horizontal welding bars, for hot stamps, for thermo-forming hot plates.

SPIRAL HEATER

Heaters for circular welding machines with continuous rotating function (horizontal flow-packers). Possibility of 1 or 2 spirals executions for higher wattage and better heat distribution.

PTC HEATER

Self-regulating heater for thermo-sealing machines, constant temperature continuous cycle. Available option of PTC heating tube in touch with plastic film.

AIR HEATERS

Air heaters permit air and gas heating available in a wide range of wattages and voltages. Applications: drying, sterilization, adhesive activation, air knives, thermoforming, sealing, welding, casting, shrinking, metal working.

Cartridge heaters

For packaging machines

The ideal solution for many applications



HT standard solution nickel/PTFE wires, PTFE cap.



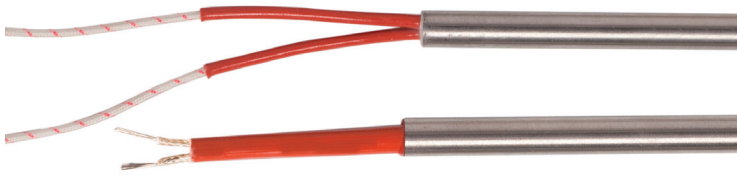
Execution with one wire on each side.



Execution with one pin on each side.



Waterproof sealing in combination of multi-polar wire to guarantee IP65 protection grade.



Fibreglass with silicon sleeves to protect leads. One sleeve each single wire execution or just one sleeve to host both wires execution.



90° execution to protect leads from failures due to dynamic stress.



Extra-flexible copper leads suitable for maximum dynamic stress resistance and for high temperature variations of welding bar.



Flexible galvanized metal conduit execution for applications where electrical leads are under mechanical stress such as hits, cutting etc.



Watertight metal braid execution for applications where electrical leads are under mechanical stress such as rubbing or industrial wear.

Differentiated wattage density cartridge heater



Solution for horizontal welding bar

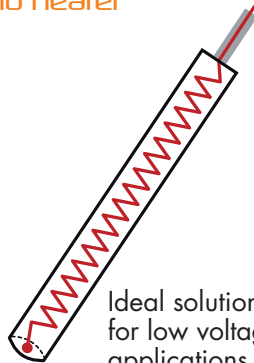
(Higher wattage density at opposite sides)

Solution for vertical welding bar

(Higher wattage density at lower sides)

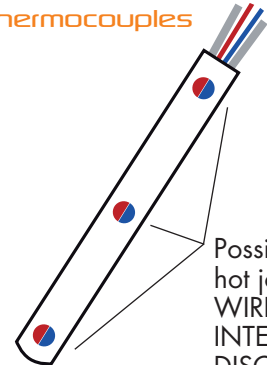


Ground heater



Ideal solution for low voltages applications

Heaters with built-in J or K thermocouples



Possible position of hot joint:
WIRE SIDE
INTERMEDIATE
DISC SIDE