

Cast in heaters 750°C

IHPs cast in heaters is great craftsmanship that creates a homogenous solid heath consisting resistive heaters embedded in aluminum, bronze, brass and copper-nickel or a mixture of those molten metals. The result is a heater with large mass, equal heat distribution and excellent thermal conductivity. After finishing casting, the heater can be formed with CNC machining to the desired end product.

The cast in heater is used in heating plates for presses, during extrusion, for heating rubber and plastics, in packaging lines, for curing and much more. Cast in heaters are common in plastics industries, food industries, pharmaceutical industries, semiconductor industries, metallurgy, petrochemical industries, packing industries, textile industries etc.

IHP designs "smart" cast in heaters for cyclic heating and cooling which we achieve by adding cooling loops and heat sinks. Through the cooling loops we can, for example, run glycol water or existing process cooling to quickly attain the thermal condition. The heat sinks use the ambient atmosphere or forced air for efficient cooling.

Cast in heaters are a classic engineering art that gives great flexibility and customer benefit.



Technical specification

Surface load up to 20W/cm²

Surface temperature up to 750°C

Cast in material aluminum, brass, bronze and copper-nickel

Voltage and power are adapted to process and wishes

Built-in sensor PT100, TC J and TC K. Other control electronics can be built in depending on operating conditions.

Connections M-thread, cables, flat pin, round pin and other options available

Connection boxes IP54, IP66 and IP67