

The heaters of the PT EV Series are designed especially for the evaporation of water produced by the de-frost cycle in most Commercial and Industrial Refrigeration & Air Conditioning sectors, which apply the PTC (Positive Thermal Coefficient) technology. Their most frequent application is in refrigerated cabinets and counters.

The PTC provides a heating power that is functional to the temperature, thus giving maximum power at a lower temperature and reducing the power output as the temperature grows.

This system guarantees several advantages:

### Safety

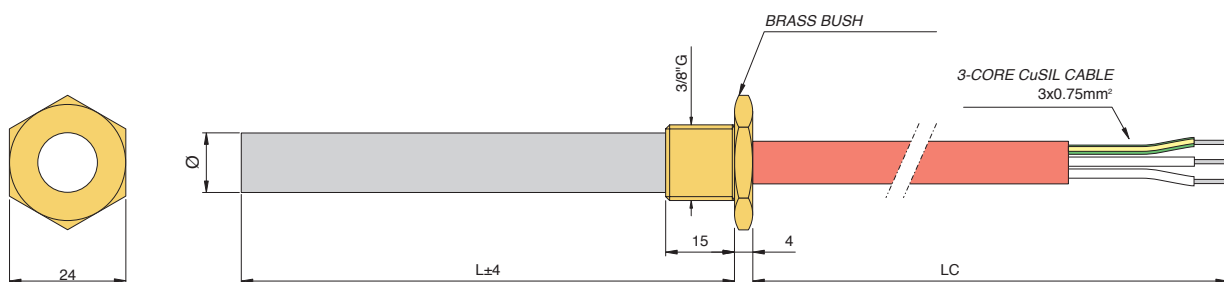
in the worst operating conditions – i.e. once the heater is working uncovered after the water in the tank has evaporated - the power absorbed by the PTC drops to almost nothing, thus avoiding the risk of damaging both the heater and the tank.

### Costs Savings

using one of HT's self-limiting PTC cartridge type heaters the need for any further protection device is eliminated. This of course not only saves the direct costs of the said protection device/s in question, but there are still further savings in the elimination of supports and interconnecting wiring - not to mention the labour involved.

### Energy Savings

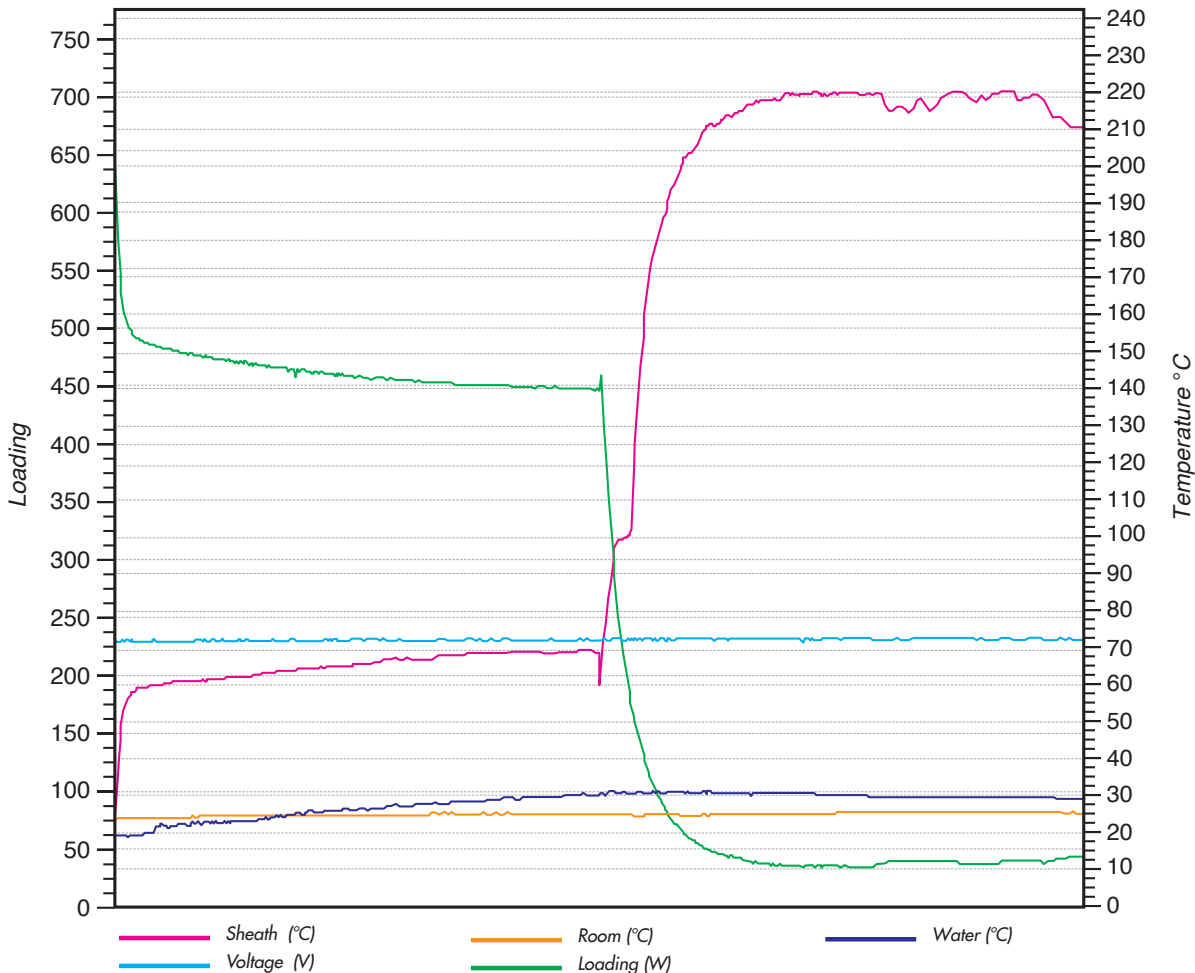
in general this type of heater uses less energy than the conventional types – a factor now becoming more and more important even in industrial application.



### Note:

All that is required to mount the heater is a 17mm diameter hole in the side of the tank, as near to the bottom as possible. Upon request suitable washer and nut can be supplied loose.

## Performance in water-air @ 230V



## AFS LINE PT EV SERIES

PART NOS	L (mm)	Ø (mm)	W IN WATER (T ~ 16°C)	W IN FREE AIR	EVAPORATING CAPACITY (Kg/h)	CABLE LENGTH (mm)
PT92471	120	12	110	10	~ 0.120	3000
PT92457	180	12	230	20	~ 0.210	3000
PT92472	240	12	330	30	~ 0.300	3000

N.B.: The above mentioned heaters are designed to work at 220-260V. The standard features include a 3/8" G, A/F 24 screw-in bush.

HT's AFS Line offers a wide range of heaters intended for industrial applications and domestic heating, available from stock.

Always tuned in to the customers' needs, HT can design, develop and manufacture also "tailor-made" cartridge heaters to customized technical specifications.

Code	L (mm)	V	W en agua (T ~ 16°C)	W en aire libre	Capacidad evaporación (kg/h)	L Cable (mm)
PT92471	120	230	110	10	~ 0.120	2.000
PT92457	180	230	230	20	~ 0.210	2.000
PT92472	240	230	330	30	~ 0.300	2.000
PT68602	285	230	450	30	~ 0.300	600
PT69189	285	115	450	30	~ 0.300	600
PT68766	240	230	270	30	~ 0.300	600
PT69105	486	230	800	30	~ 0.300	600

## Resistencias PTC para evaporadores

*Self-regulating ptc heaters*

