



# THERMOSAFE

## ATEX process induction heater

**To heat 200 litre drums or smaller steel vessels. To be used with or without the ATEX Faratherm induction base heater.**

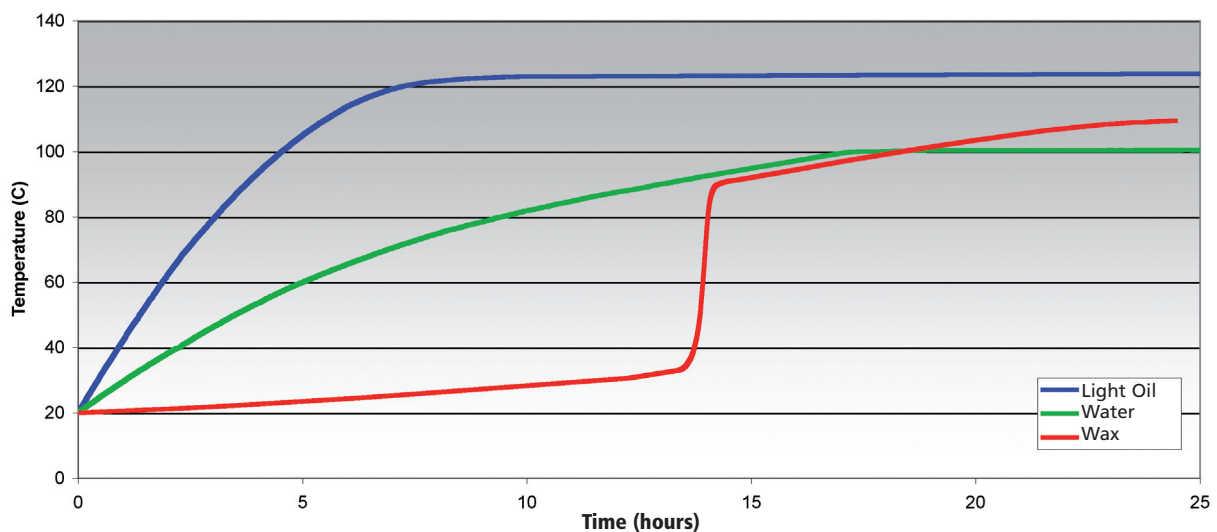
**Suitable for use in hazardous areas, certified to ATEX and IECEx standards (zones 1 and 2).**

Thermosafe is a single induction coil, wholly encapsulated in a cylinder made from a glass reinforced resin specifically developed for chemical plant.

The cylinder is simply placed over the drum. Physical contact is not required. The coil is connected to a single phase AC mains supply and generates heat directly and uniformly in the drum wall. Energy transfer is by alternating magnetic field and thus there is no heat transfer by the conventional and inefficient means of radiation or convection..

**As there are no hot elements, the heater remains substantially cooler than the drum being heated.**

Thermosafe is designed to heat 200 litre drums or smaller steel vessels and up to 123°C in hazardous areas. It allows a safe melting of viscous products such as wax, tar, bitumen, gelatine, organic acids in a way much surer and rapid than traditional systems (steam and radiant drum heaters).



Temperature measured inside the drum (at the centre)



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## Accessories



handling  
equipment  
**Réf. 690403**



induction base heater  
Faratherm range  
**Réf. 660401**



energy regulator  
**Réf. 690001**



handling  
equipment  
**Réf. 690401**

### **Efficient** **Fast** **Flexible**

Thermal efficiency much surer and rapid than traditionnal systems

Entire drum wall used to input energy

the same piece of equipment for a wide range of applications (production, storage...)

#### Product Specification

Power : 2250 watts, Weights : 48kg  
Switch-on 21A/2750W, running 18A/2250W  
(note : inductive power factor)  
Supply voltage : 240 V 1ph  
Class II Appliance (double electric insulation)  
Ingress Protection : IP 66  
Overall diameter : 743mm, Internal diameter : 613mm  
Overall Height : 711mm  
Power cable : 5 m PVC insulated, sheathed galvanized  
steel wire braided

#### Homologations

Certification numbers :  
SIRA08ATEX3101X, IECEx SIR08.0037X, CSAE  
21UKEX3410X  
  
Ⓔ II 2 GD Ex eb IIC T170 °C (T3) Gb  
Ex tb IIC T170 °C Db for use in Zones 1, 2, 21 et 22

Certified to standards : EN IEC 60079-0:2018, EN 60079-7:2015+A1:2018, EN 60079-31:2014

**Device Ref. 610401**