

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.

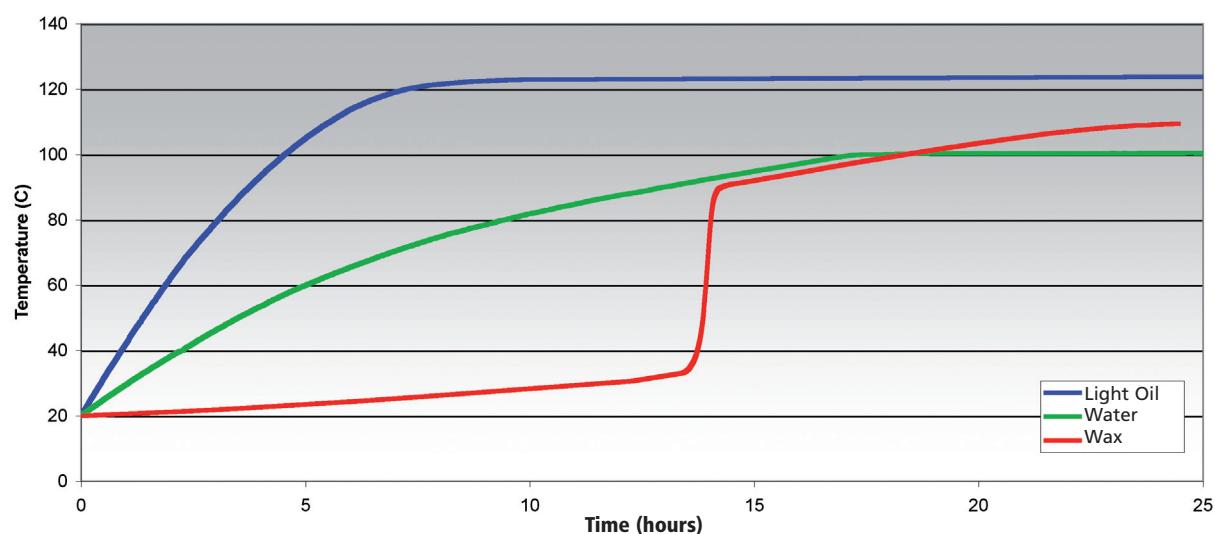
Suitable for use in hazardous areas, certified to ATEX and IECEx standards (zones 1 and 2).

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).



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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 Thermal efficiency much surer and rapid than traditionnal systems

Fast Entire drum wall used to input energy

Flexible 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

Ex II 2 GD Ex eb IIC T170 °C (T3) Gb
Ex tb IIIC 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