

•Risk Analysis

•TC400 Series Overhead baby Warmers

•Intended Use

•To create low level heat around a newborn baby to reduce heat loss from the patient. The heater is manually controlled and cannot exceed 400 Watts output.

•There are four versions available all using the same heater module.

•The structure is an electric Heater element in a metal enclosure

•Behind the element is a reflector and in front a metal grill.

•There are three areas of risk.

•1) Electric Shock.

•This is only possible if;

- a. The case is removed with the unit switch on
- b. Wiring failure where wires are disconnected and comes into contact with the enclosure.
- c. The element is touched. This can only happen with the use of a long thin conductor.

•2) Patient Overheat.

- This may occur on maximum power only if the warning labels are disregarded and the patient is placed too near to the heater
- Warnings are attached to the stand.

•3) User Overheat.

- The distance between the heater and the patient is also the working area and heat can affect the user's head.
- The grill can become hot to the touch
- Warnings are placed on the heater unit.

•4.Physical Injury

- Due to the low distance between the heater and the patient it is possible for the user's head to come into contact with the heater enclosure.

•5.Component failure

- Failure of any component will leave the heater either OFF or at 100% output
- The 400 watts at 100% at 27 ins has been shown to be safe.