

# HAZARD NOTICE

By arrangement with the NHS in Scotland, Management Executive

## DRAEGER 600W RADIANT HEATERS: RISK OF BURNS

**HAZ(SC)00/10**  
20 JUL 2000  
Medical Devices  
Page 1 of 1 Pages

### SUMMARY

The risk of burns to neonates in Draeger 8000 incubators identified in Hazard Notice HAZ(SC)00/08 may also apply to Draeger open care equipment incorporating 600W radiant heaters. Independent temperature monitoring should be used instead of skin temperature probes.

### BACKGROUND

1. Hazard Notice HAZ(SC)00/08 (issued 29 June 2000) identified the problem of thermal hazard from the skin temperature probe in Draeger 8000 incubators, due to a failure of the temperature sensor system. A skin temperature probe on a Draeger 8000 incubator became very hot, causing a serious burn to a neonate.
2. Draeger originally stated that this temperature sensor system was found only in the Draeger 8000 incubator but have now established that it is used in the Draeger 600W radiant heater (trolley and wall mounted). These radiant heaters may also be mounted on Draeger Babytherm 4200 and Babytherm 8000 Open Care (heated) cots and Resuscitation Units incorporating these cots, and in PP800 & PP8000 Resuscitation Units.
3. Draeger have established that the skin temperature sensor circuit lacks a means to prevent excessive current flowing through the temperature sensor system and does not comply with BS5724 / IEC 60601-1 which requires that a single fault condition shall not cause a hazard.
4. Draeger Babytherm 8004, Babytherm 8010 and Babytherm 8000 Warming Bed (Cositherm) models have a different skin temperature sensor system and are not implicated.
5. Draeger intend to modify the sensor circuit in all affected models and will provide further information on the upgrading of all devices in the field in due course.

### ACTION

6. This notice should be brought to the attention of all appropriate managers, staff and users.
7. Do not use skin temperature probes (disposable or reusable) which connect directly to Draeger 600W radiant heaters. The equipment identified in Background paragraph 2 above should be used only in manual temperature control mode with independent temperature monitoring.

### ENQUIRIES

Enquiries to the manufacturer should be addressed to:

Mr Doug Sims, Quality Manager, Draeger Medical, The Willows, Mark Road, Hemel Hempstead  
Hertfordshire HP2 7BW Tel: 01442 213542 Fax: 01442 240327

<i>Suggested Distribution</i>	Ambulance Services	Device Managers	Maternity
Neonatal	Nursing	Risk Management	Special Care Baby Units



**SCOTTISH HEALTHCARE SUPPLIES**  
Gyle Square Edinburgh EH12 9EB  
A Division of the National Service Scotland for NHSScotland

CONTACT EMAIL: [iric@shs.esa.scot.nhs.uk](mailto:iric@shs.esa.scot.nhs.uk)

WEBSITE: [http://www.nhsscotland.com/shs/hazards\\_safety/adverse\\_p.html](http://www.nhsscotland.com/shs/hazards_safety/adverse_p.html)

FAX: 0131 314 0722

N:\WORD\HAZ\PUBLIC LIBRARY HAZ\2000 HAZ\PHAZ0010.DOC