A thermal image of a patient lying on a warm air blanket. The blanket is shown in shades of red and orange, indicating heat, while the patient's body is in cooler shades of yellow and green. The text is overlaid on the image.

Warming animals safely
to prevent hypothermia
during **anaesthesia**

The Darvall Cozy™ Warm Air Blanket System

Setting the standard for patient wellbeing

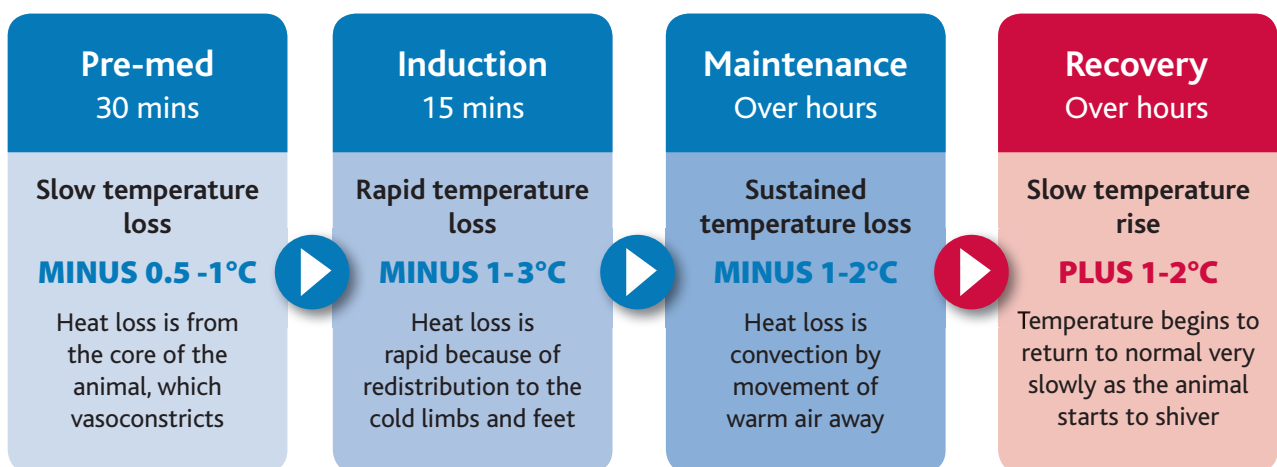
AAS ADVANCED
ANAESTHESIA
SPECIALISTS
DARVALL

Hypothermia during anaesthesia

Multiple causes

- Small body size
- Vasodilation from premedication and anaesthetic drugs
- Heat loss from skin surface or open body cavities
- Lack of shiver response
- Inhalation of cold, dry anaesthetic gases

Stages of development of hypothermia during anaesthesia



Challenges in Practice

Hypothermia slows recovery from anaesthesia:

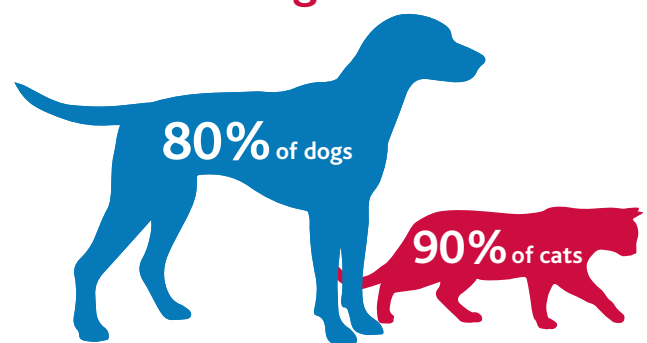
- Doubles recovery time
- Occupies nurse time in monitoring and re-warming cold patients
- Delays discharge, especially for out-patients

Challenges for Patients

Hypothermia increases risk of related problems:

- Slow heart rate and respiratory depression
- Slow metabolism of drugs, slows recovery
- Pain at surgical site due to shivering in recovery
- Pain as vasoconstriction reduces distribution of analgesic drugs
- Airway obstruction in semi-conscious patients
- Risk of burns with many warming devices

Significant mortality risk in dogs and cats



suffer hypothermia during anaesthesia

Hypothermia: when the body temperature drops by >1°C

1 in 500 animals die under anaesthesia or sedation*

Around 50% of these deaths occur during recovery, when many patients are hypothermic

Introducing the Darvall Cozy™ Warm Air Blanket System

The solution for hypothermia, developed by vets, for vets

Cozy™ Warm Air Heater

Warms animals safely in kennels and surgery

- Only 40 minutes to pre-warm
- Half the time of recovery warming
- Simple, low-cost routine maintenance and no down-time
- Heater run time monitored for recording and costing
- Compact, quiet and easy to use



Cozy™ Warm Air Blankets

Designed for surgery, dentistry, exotics and kennel use

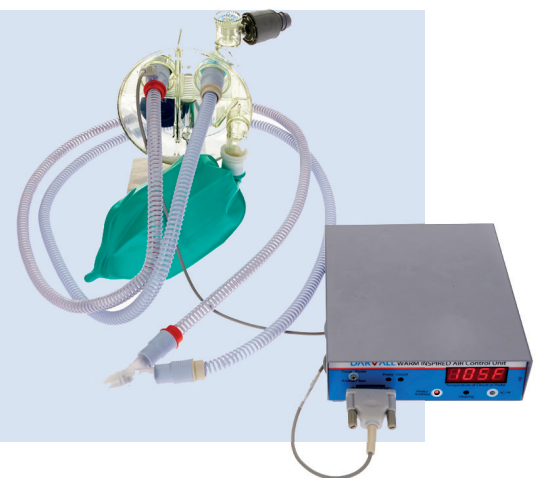
- Use for pre-warming, anaesthesia and recovery
- Custom sizes for all companion animals
- Thermodynamic design allows rapid heat distribution
- Antimicrobial-filtered warm air maintains sterile surgical environment
- Thermostatic control ensures patient safety
- Cost effective for client and clinic



Darvall Heated Breathing Anaesthesia Circuit

Reduce critical heat loss with warm air inhalation

- Darvall Smooth Wall Tubing warms gas before it is breathed
- Warms from the first breath
- Continuous temperature monitoring of airway and patient's body
- Automatic temperature feedback controls unit



*Study of 98,036 dogs and 79,178 cats in 117 UK veterinary practices during a 2-year study period
Brodbeck DC *et al.* Veterinary Anaesthesia and Analgesia 2008; 35: 365-373.

The Darvall Cozy™ Warm Air Blanket System

Setting the standard for patient wellbeing

For reduced anaesthetic complications

- Cardiac
- Respiratory
- Anaesthesia maintenance

For rapid anaesthesia recovery

- Safe, confident warming
- Fewer post-operative complications in warm patients
- Improved patient outcomes
- Patients go home sooner

Find out more about the Darvall Cozy™ Warm Air Blanket System

For more information contact:



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