



## 3M™ Bair Hugger™ Temperature Management System

# Care for your patients, care for the planet.

Throughout the journey of our products from manufacturing plant to patient, Solventum is mindful of the impact we have on the environment. We're committed to innovating ways to decarbonise industry, develop climate solutions, and improve our environmental footprint. When it comes to measuring the sustainability of a product, everything from its manufacture, transportation, use, and disposal makes a difference.

For 3M™ Bair Hugger™ Temperature Management Solutions, we've worked hard to reduce the overall footprint and show how maintaining normothermia can lead to faster recovery times, and improved clinical outcomes reducing the potential need for further treatment. 3M™ Bair Hugger™ Warming Blankets and Gowns provide a trusted, proven solution to help keep a patient's core body temperature within the normothermic temperature zone of 36°C to 37.5°C.

## Reduce

We are reducing plastic, medical waste, and carbon footprint on Bair Hugger™ products.

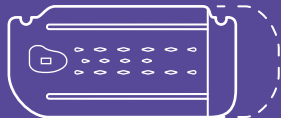
# 70%

plastic reduction, which equates to 217 tonnes CO<sub>2</sub> savings, equivalent to the annual carbon footprint of 37 people.<sup>1,5</sup> We have also removed the plastic and foam in our warming unit packaging, which is now made entirely from cardboard.

We've reduced waste by redesigning the 635 underbody blanket foot plate, which has eliminated an incredible

# 21

tonnes of medical waste per year.



Packaging and transportation distances reduction, as well as improved pallet utilisation and box quantities, results in 311 tonnes of CO<sub>2</sub> emissions reduction per year, the equivalent of removing 69 passenger cars off the road every year!<sup>2,5</sup>

## Reuse

Part of what makes Bair Hugger a sustainable option is the long life cycle of our warming units, which have been used again and again to warm over

# 400 million

patients worldwide.<sup>3</sup>

# 34%

are over 8 years old,<sup>4</sup> and most warming units can be refurbished to extend their life span and reduce landfill waste.

3M™ Bair Hugger™ Patient Warming Gown is suitable for the entire perioperative pathway. This means it can replace traditional cotton blankets and gowns, resulting in reduced laundering costs.



## Recycle

We're also working towards increasing the recyclability of our packaging. This started with our hardware unit packaging, which has been

# 100%

recyclable since 2021.

We've also changed the packaging for our blankets produced in Europe, which are now

# 100%

recyclable and will continue to work towards implementing this change for the rest of our products.



1 Our World in Data, 2017, calculates that the average carbon footprint per capita in the UK is 5.8 metric tonnes of CO<sub>2</sub>

2 US environmental Protection Agency calculates that a typical passenger car emits 4.5 metric tonnes CO<sub>2</sub> per year.

3 3M data on file. Unpublished data.

4 3M data on file. Australia install base.

5 Results are CO<sub>2</sub> equivalents and not direct CO<sub>2</sub> emissions and are based on the EF3.0 methodology and the Climate Change – Total indicator. Results are not compliant with ISO 14040 and should be considered an estimate only.



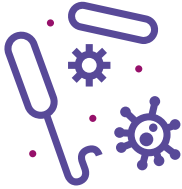
# Rethink



Getting the full picture when it comes to sustainability sometimes means thinking long term. Maintaining normothermia can help to reduce the potential for prolonged patient recovery time, which often means less resources used overall. 3M™ Bair Hugger™ Warming Blankets and Gowns are designed to help keep patients normothermic. Maintaining normothermia before, during and after surgery can result in:

## 3x reduction

in risk of surgical site infection<sup>1,4,6</sup>



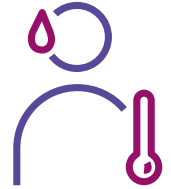
## 3x reduction

in risk of myocardial ischemia<sup>1,5</sup>



## Prewarming reduces

the incidence of wound infection<sup>6</sup>



## Shorter postoperative

recovery time<sup>1,2</sup>



## Reduction in length

of hospital stay<sup>4</sup>



## Reduction in the use

of blood products<sup>1,3</sup>



1 Sessler DI, Kurz A. Mild Perioperative Hypothermia. *Anesthesiology News*. October 2008; 17-28.

2 Lenhardt R, Marker E, Goll V, et al. Mild intraoperative hypothermia prolongs postanesthetic recovery. *Anesthesiology*. 1997 ;87 (6): 1318-1323.

3 Schmied H, Kurz A, Sessler DI, Kozek S, Reiter A. Mild hypothermia increases blood loss and transfusion requirements during total hip arthroplasty. *Lancet*. 1996;347(8997):289-92.

4 Kurz A, Sessler DI, Lenhardt R. Perioperative normothermia to reduce the incidence of surgical wound infection and shorten hospitalisation. *N Engl J Med* 1996; 334: 1209-15.

5 Frank SM. Consequences of hypothermia. *Current Anaesth & Critical Care*. 2001; 12: 79-86.

6 Melling AC, Ali B, Scott EM, Leaper DJ. The effects of pre-operative warming on the incidence of wound infection after clean surgery: a randomised controlled trial. *Lancet* 2001; 358: 882-886.



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