



# The revolutionary single-use system

**Vernacare**  
cleaner safer healthcare

# Delivering innovative single-use solutions



# 94%

Our single-use system is used in 94% of all UK hospitals and more than **50 countries** worldwide.

## Experience and innovation

Vernacare's innovative single-use system and award winning products have made us global leaders in human waste management across the healthcare sector.

The system was pioneered by Vernacare more than 50 years ago, to help reduce the risk of cross-infection and save nursing time, whilst minimising the environmental and cost impact of alternative re-usable systems.

Vernacare are the only company to manufacture the complete human waste disposal system, including disposal units and a full range of single-use products.

## Quality guaranteed

Vernacare's single-use products carry the BSI Kitemark and are manufactured in line with BS EN ISO 9001:2008 and PAS29:1999, using 100% over-issued clean newspaper.

As the biggest single-use products manufacturer in the world, producing around 150 million units per year, Vernacare have invested heavily in automation and quality control measures to ensure that the product quality is of a consistently high standard.

## Specialist support

With over 200 employees across the UK and North America, working alongside our global network of international partners, the Vernacare system is supported by a specialist team who provide the highest standards of educational support, technical assistance and customer care to our varied customer base.



Celebrating over 50 years of quality manufacturing and innovation

**Vernacare**  
cleaner safer healthcare



# 4.5m

In Europe alone, around 4.5 million episodes of HCAs are reported each year.<sup>1</sup>

Washer disinfectors may not provide adequate conditions for killing *C. difficile* spores, because they cannot achieve the necessary thermal killing conditions.



Simulated-use testing of bedpan & urinal washer disinfectors: evaluation of *Clostridium difficile* spore survival & cleaning efficacy.

Alfa MJ, Olson N, Buelow-Smith L. AJIC. Feb 2008;36(1):5-11

## The problem

In developed countries, it is estimated that up to 10% of patients acquire an HCAI, spending an average of 2.5 times longer in hospital and are seven times more likely to die than uninfected patients.<sup>2</sup> Across Europe, HCAs account for 37,000 deaths per year and contribute to a further 110,000.<sup>3</sup>

In the United States, two million people per year are infected with HCAs, resulting in 88,000 deaths, costing healthcare providers \$6 billion.<sup>4</sup>

In the United Kingdom, the National Health Service annually spends £1 billion treating HCAs<sup>2</sup>, and it is thought that the working days lost to MRSA alone costs the country's economy up to £11 billion a year.<sup>3</sup>



# 150m

Vernacare manufactures 150 million disposable single-use containers per year, helping break the chain of infection.

A four-year study across 88 hospitals showed that 62.2% of ‘clean’ wash basins were contaminated with pathogens including organisms such as VRE and MRSA.



D. Marchaim et al. Hospital bath basins are frequently contaminated with multidrug-resistant human pathogens. American Journal of Infection Control 40, 562-4 (2012)

## The solution

Vernacare is the only company to manufacture a complete single-use human waste disposal system that not only helps to reduce the risk of cross infection, but also supports hospitals' sustainability agendas, providing environmental, financial and nursing time savings.

A broad range of innovative support products are also available, further enhancing the Vernacare system.

The Vernacare system improves the experience for both patients and staff, releasing more time to spend on actual care.



# Environmental Benefits

The Vernacare system uses 60% less water than alternative reusable systems.<sup>5</sup>

### Less energy, less impact

Vernacare's single-use products are manufactured using over-issued clean newspaper and a wax resin to ensure products hold water for a minimum of four hours. No bleach colouring is added, to ensure products are as environmentally friendly as possible.

The products are disposed of in the market-leading Vortex disposal unit, using cold water and significantly less energy than traditional bedpan washers. The biodegradable slurry is then safely washed down the drain.

96.5%

### Lower Environmental Impact

#### Environmentally-friendly waste management

The Vernacare system uses 60% less water and 96.5% less energy than existing pan sanitisers.<sup>5</sup> Specifying our complete human waste management system in new build facilities is an ideal way to optimise water and energy consumption.

When discharged to waste water, there are no essential differences in terms of fibre composition between Vernacare's single-use products and that of toilet paper.<sup>6</sup>



# Nursing Time Benefits

# The Vernacare single-use system saves nurses over 27 hours per year compared to alternative re-usable systems.<sup>7</sup>

## Cleaner and more convenient

The Vernacare single-use system saves time, improves working conditions, helps reduce the risk of cross-infection and enhances the patient experience.

The disposal of Vernacare's single-use products into the Vortex disposal unit is convenient for nursing staff who do not have to spend time washing reusable plastic products by hand or processing them through a washer disinfectant.

Patients also find the products far more dignified, and are re-assured when they receive a new clean product each time.



# 27hrs

## Improved Productivity

### Saving time

During an observation period at Caulfield General Medical Centre in Australia, an evaluation of time factors in the use of the Vernacare disposal unit found that the pan flusher/sanitiser required approximately 20% more movement observations than the disposal unit.

Across a typical 30-bed unit, the Vernacare single-use system can create a 33% time saving as opposed to a re-usable system, equating to over 27 additional hours a year released to care for patients.<sup>7</sup>

# Financial Benefits



Month	ASK	PRO	QUA	DAT
DEC	€ 888,00	€ 104,00	€ 339,00	€ 598,00
NOV	€ 221,00	€ 374,00	€ 339,00	€ 891,00
OCT	€ 349,00	€ 930,00	€ 339,00	€ 748,00
SEP	€ 836,00	€ 107,00	€ 339,00	€ 589,00
AUG	€ 843,00	€ 801,00	€ 339,00	€ 949,00
JUL	€ 934,00	€ 801,00	€ 339,00	€ 843,00
JUN	€ 437,00	€ 801,00	€ 339,00	€ 843,00
MAY	€ 269,00	€ 801,00	€ 339,00	€ 843,00
APR	€ 934,00	€ 801,00	€ 339,00	€ 843,00
MAR	€ 223,00	€ 801,00	€ 339,00	€ 843,00
FEB	€ 339,00	€ 801,00	€ 339,00	€ 843,00
JAN	€ 223,00	€ 801,00	€ 339,00	€ 843,00

Month	ASK	PRO	QUA	DAT
SEP	€ 608,00	€ 173,00	€ 817,00	€ 50,00
AUG	€ 173,00	€ 817,00	€ 50,00	€ 557,00
JUL	€ 817,00	€ 50,00	€ 557,00	€ 622,00
JUN	€ 50,00	€ 557,00	€ 622,00	€ 706,00
MAY	€ 622,00	€ 706,00	€ 839,00	€ 962,00
APR	€ 706,00	€ 839,00	€ 962,00	€ 116,00
MAR	€ 839,00	€ 962,00	€ 116,00	€ 553,00
FEB	€ 962,00	€ 116,00	€ 553,00	€ 348,00
JAN	€ 116,00	€ 553,00	€ 348,00	€ 415,00
DEC	€ 348,00	€ 415,00	€ 558,00	€ 374,00
NOV	€ 558,00	€ 374,00	€ 558,00	€ 374,00
OCT	€ 374,00	€ 558,00	€ 374,00	€ 374,00
SEP	€ 558,00	€ 374,00	€ 374,00	€ 374,00
AUG	€ 374,00	€ 558,00	€ 374,00	€ 374,00
JUL	€ 558,00	€ 374,00	€ 374,00	€ 374,00
JUN	€ 374,00	€ 558,00	€ 374,00	€ 374,00
MAY	€ 558,00	€ 374,00	€ 374,00	€ 374,00
APR	€ 374,00	€ 558,00	€ 374,00	€ 374,00
MAR	€ 558,00	€ 374,00	€ 374,00	€ 374,00
FEB	€ 374,00	€ 558,00	€ 374,00	€ 374,00
JAN	€ 558,00	€ 374,00	€ 374,00	€ 374,00

all ahead of prior year

When all costs are considered, the Vernacare system can cost 39.4% less to maintain than alternative systems.<sup>8</sup>

## Reduced Financial Impact

A study has shown that the Vernacare single-use system utilises 96.5% less energy and 60% less water than alternative re-usable systems.<sup>5</sup>

Further financial benefits are provided through the savings in nursing time, costly HCAs and reduced maintenance costs, whilst the Vortex disposal unit can cost up to 50% less to purchase than many washer disinfectors.<sup>9</sup>

**39.4%**

## Reduced Running Cost

### Proven to be less expensive

Analysis of consumable, utility and maintenance costs show that on average a 25-bed ward using the Vernacare system is 39.4% less expensive to maintain (per annum) than using a bedpan washer disinfectant system.<sup>8</sup>

Studies have shown that the capital outlay associated with the Vernacare system can be 50% less than alternative bedpan washers. It can also produce an annual 36% reduction in operating costs.<sup>8,10</sup>

# Infection Prevention Benefits

A close-up photograph of a gloved hand holding a petri dish. The petri dish contains a red agar medium with several parallel streaks of bacterial growth. The background is blurred, showing other petri dishes. The text 'Infection Prevention Benefits' is overlaid on the left side of the image.

Vernacare's  
innovative new  
products have  
contributed  
to a reduction  
in Clostridium  
difficile infections  
of 56%.<sup>11</sup>

## Breaking the chain of infection

Various studies have shown the presence of harmful bacteria on re-usable plastic and stainless steel products following thermal disinfection. Vernacare help to break the chain of infection with a single-use system, providing a clean product every time.

Studies have shown that existing ward washer disinfectors may not provide adequate conditions for killing Clostridium difficile spores, because they cannot achieve the necessary thermal killing conditions.<sup>12</sup>

**56%**

## Increased Patient Safety

### Raising infection control standards

Vernacare's award-winning detergent proof washbowl contributed to a reduction in Clostridium difficile infections of 56%, as part of a group of interventions at Salford Royal NHS Foundation Trust, carried out during a

study into reducing Clostridium difficile infection in acute care.

The single-use washbowl replaced plastic re-usable alternatives for the duration of the study.<sup>11</sup>

# Vernacare's revolutionary single-use system





## Environmental Benefits

**Lowering environmental impact** – Vernacare’s single-use system uses less energy and water than re-usable systems to dispose of biodegradable single-use products, using Vernacare market-leading disposal units.



## Nursing Time Benefits

**Increasing productivity and convenience** – Vernacare’s single-use system helps to improve working conditions, increase patient dignity and save nurse time, releasing more time to care for patients.



## Financial Benefits

**Reduced running costs** – Vernacare’s single-use system can cost significantly less to purchase, operate and maintain than alternative re-usable systems. Further financial benefits are provided through the savings in nursing time and reduction of costly HCAs.



## Infection Prevention Benefits

**Raising infection control standards** – Vernacare’s single-use system removes concerns over the effectiveness of thermal washer disinfectors and helps to break the chain of infection.

**To join the revolution, speak to your Vernacare representative today.**

## References

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