

## INFECTION CONTROL

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**T**he new ProVap technology from OspreyDeepclean is said to be the world's first steam cleaning system to offer proven validated results for decontamination.

Heralded as a new generation advanced dry steam cleaning system, ProVap offers increased effectiveness, improved hygiene in use, and even self-disinfecting capabilities.

It is a truism that cleaning materials and equipment by their very use soon become dirty and contaminated and thus liable to transport the contamination into other areas. We've all seen a dirty mop. Hence the problems with infection control in hospital wards around the globe, compounded perhaps by an over-reliance upon inefficiently applied cleaning chemicals - to which bacteria could potentially become increasingly resistant.

ProVap is a fully integrated steam cleaning system using new tools and accessories conceived, tried, tested and developed in cooperation with the healthcare industry. When working in combination with OspreyDeepclean Standard Operating Procedures, the ProVap system is designed specifically for deployment as a frontline decontamination tool for infection prevention and control measures.

The ProVap range was developed only after thorough evidence-based microbiological research and laboratory evaluation, and is the first and only such system in the world to provide a steam based cleaning and decontamination system that is outcome assured.

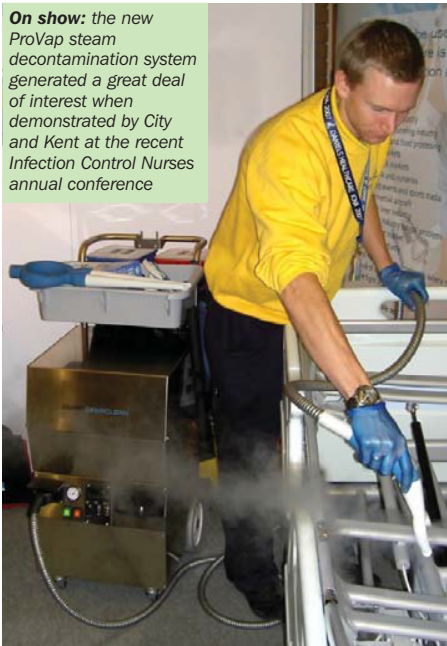
Tests conducted by the Hospital Infection Protection Environmental Research (HIPER) Unit at University College London Hospitals (UCLH), confirm that the



# Delivering the science behind steam decontamination

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**On show:** the new ProVap steam decontamination system generated a great deal of interest when demonstrated by City and Kent at the recent Infection Control Nurses annual conference



OspreyDeepclean process, without the use of any chemicals, successfully decontaminated all of the surface types purposely contaminated with a heavy



microbiological burden of test organisms.

The results were validated by microbiological measures following the cleaning procedure for each surface, which established that rapid and total decontamination of all test surfaces was achieved. Air sampling during steam cleaning confirmed the procedure did not cause aerosolisation of microorganisms.

Effective against MRSA, Acinetobacter, VRE, Klebsiella,

Enterococcus faecalis and Clostridium difficile spores, ProVap technology is thus ideally suited for decontamination of high-risk, high-contact hospital surfaces, such as bed frames, mattresses, and chairs.

The stainless steel body of the ProVap is itself easy keep clean of bacteria and the new water filter vacuum features innovative and patent pending steam disinfecting chambers to avoid cross-contamination.

ProVap technology thus not only combats a

broad spectrum of HAIs and food bacteria found in healthcare environments, and the food processing industry, but is also a vital tool for cleaning in educational institutions, supermarkets, and other areas where hygiene is important.

User-friendliness of the new system has been greatly enhanced by offering a range of new accessories and innovative time and labour saving features.

The new VaporMop, for example, can deliver cleaning coverage of up to 250m<sup>2</sup> per hour versus 100m<sup>2</sup> offered by conventional steam and vacuum methods alone; this is achieved through the synergies of steam and microfibre combined, greatly improving physical lift of contaminating debris and reducing the risk of "trips and slips".

The OspreyDeepclean design and development team has also focused on repair and serviceability, bringing to market a completely unique and

innovative modular concept achieving minimum machine downtime in case of mechanical failure assuring that effective cleaning can soon continue.

A 12-month project in the making, OspreyDeepclean has a long and proud history in the design, development and manufacture of steam cleaning machines.

"The ProVap project is the culmination of our many years experience as specialists in this field," says OspreyDeepclean's managing director Thomas Stuecken, "and it has naturally received extensive high level participation from our key team members from every division of the company working in the UK, Holland, France and the USA.

"In steam cleaning machine design, development, and



manufacture, OspreyDeepclean maintains a unique position as the leading global specialist. By introducing ProVap as a result of our realisation of the science behind steam cleaning we have now pushed the boundaries still further."

Call OspreyDeepclean on 01242 513123, e-mail [info@ospreydc.com](mailto:info@ospreydc.com) or visit [www.ospreydc.com](http://www.ospreydc.com)



# Infection Control with steam



Proven, effective results  
for decontamination



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