STERIS
Life Sciences

STERIS
Biodecontamination Services

Next Generation Solutions from the VHP® Pioneer...

Biodecontamination Services for Facilities, Rooms, and Equipment

STERIS understands that you can't afford to take chances when it comes to contamination. You can trust the recognised global market leader in decontamination services and technologies. From routine bioburden reduction to rapid response for an unplanned event, STERIS has a complete solution for your biodecontamination needs.

Turnkey Biodecontamination Service

Traditional manual cleaning processes often fail to reach all contact surfaces and are insufficient to protect your process or research. STERIS's biodecontamination service team provides clear advantages:

Efficacy

Backed by thousands of successful applications in a wide range of industries, VHP® has been proven to destroy a wide range of microorganisms including bacterial spores, viruses, and fungi.

Peace of Mind

STERIS's patented VHP process is environmentally friendly. It decomposes into water and oxygen, leaving no residues.

Speed

Next generation equipment reduces cycle times by over 50%** to minimise downtime and lost productivity. Typical rooms are completed in about half a work day.

Material compatibility

VHP technology has been proven to be compatible with a wide variety of sensitive materials, including painted surfaces, electronic equipment and HEPA filters.

Savings

No capital equipment investment is required.

Convenience

Our highly-trained decontamination experts manage your project from start to finish. Experience firsthand why STERIS Life Sciences Service has a World-Class Customer Satisfaction score.*

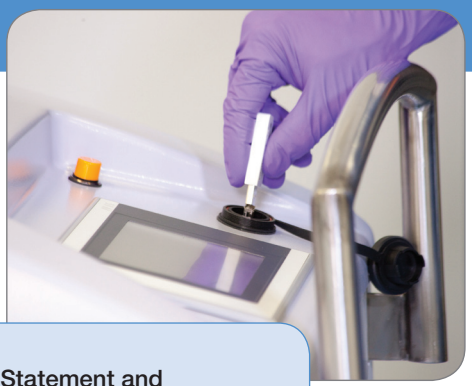
Net Promoter Score (NPS) above the world-class threshold of +50. NPS is a Customer loyalty metric developed by (and a registered trademark of) Fred Reichheld, Bain & Company, and Satmetrix.

***Compared to previous VHP technologies*

The STERIS Biodecontamination Process

1. Site Evaluation and Consultation
Customer requirements, floor plans, materials of construction, etc. are reviewed.

2. Project Proposal
Defines decontamination area and time schedule for the project.

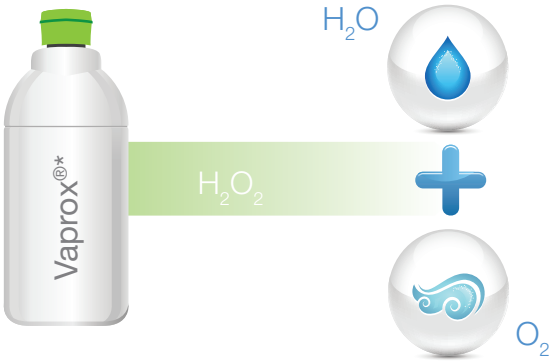


3. Method Statement and Risk Assessment
Includes comprehensive project plan for all work to be performed.

Patented VHP® Process Technology

VHP technology utilises vaporized hydrogen peroxide, a broad spectrum antimicrobial vapour delivered by mobile units for effective and rapid decontamination of any enclosed area at ambient temperatures. This environmentally-friendly process is compatible with a wide range of materials and leaves no residue.

STERIS utilises state-of-the-art mobile VHP® generators featuring SmartPhase™ software technology. SmartPhase™ eliminates the phases associated with the traditional VHP® process to significantly reduce cycle times.



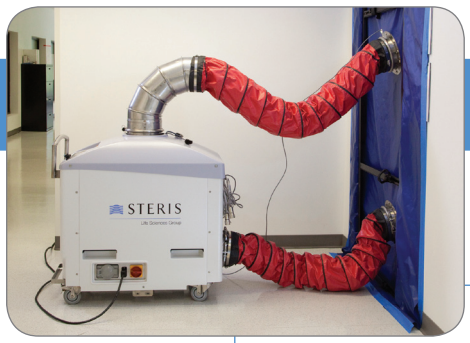
*Vaprox® Hydrogen Peroxide Sterilant is a US EPA registered product (EPA Reg No. 58779-4)

Comparison of Decontamination Methods

STERIS VHP® outperforms other technologies in the areas that matter most.

Decontamination Method	Delivery Medium	Permissible Exposure Limit*	Human Carcinogen	Efficacy	Cycle Time (2500 ft³)	Material Compatibility	Repeatability (Validation)
STERIS VHP®	vapour	1.0 ppm	No	Good	< 4 hrs	Good	Good
Hydrogen Peroxide (e.g., fogging, ionisation, micro-condensation)	Hybrid	1.0 ppm	No	Good	4-8 hrs	Variable	Moderate
Chlorine Dioxide	Gas	0.1 ppm	No	Good	< 4 hrs	Moderate	Good
Formaldehyde	Gas	0.75 ppm	Yes	Good	> 8 hrs	Good	Good
Manual Wipedown**	Liquid	Variable	No	Variable	Variable	Variable	Poor

*Values represent OSHA permissible exposure limit (PEL) for 8-hour time weighted average (TWA) exposure.
**Visible soils must be properly cleaned before VHP® application.



4. Biodecontamination
STERIS specialists prepare the area and deploy equipment. Biodecontamination and aeration cycles are completed.

5. Verification
Biological and chemical indicators placed throughout the area to validate successful biodecontamination.

6. Final Report
Documentation is furnished according to the level you choose. Selections range from detailed reports containing equipment layout, cycle data, and biological results to a Certificate of Biodecontamination.

For over 20 years, STERIS has been called to handle the most challenging decontamination projects. Let our team of experts equipped with proven VHP® technology eliminate contamination in your facility.

STERIS Innovations in Biodecontamination

1980's

AMSCO (now STERIS Corporation), acquires rights to VHP® technology

1991

VHP 1000 mobile decontamination unit introduced

1990

Vaprox® Hydrogen Peroxide Sterilant registered with the United States EPA

1996

First aseptic filling line sterilised with VHP®

2003

VHP decontamination of anthrax at US government mail centre

2005

VHP technology decontaminates emergency response vehicles and facilities after Hurricane Katrina

2006

Vaprox sterilant receives expanded EPA clearance for commercial use

2007

Tetra Pak selects VHP for beverage filling sterilization

2009

VHP decontamination system tested in the Joint Strike Fighter F-16

2010

1,000,000 cubic foot cosmetics plant decontaminated

2012

Next generation VHP Victory-Pro™ decontamination system introduced

About STERIS Corporation

STERIS Corporation is a leading provider of infection prevention and surgical products and services, focused primarily on critical healthcare, pharmaceutical and research markets around the world. The Company supplies a broad array of equipment, consumable and service solutions that help assure productivity and quality. STERIS is listed on the New York Stock Exchange under the symbol STE. For more information, visit www.steris.com.

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