

The VHP™ Flex offers all the benefits of STERIS's VHP technology and services packaged in a compact, mobile Biodecontamination unit. It provides flexibility for biodecontamination of small to medium size rooms and clean, dry, sealed enclosures.



VHP Flex Mobile Biodecontamination Unit

Easy Operation	Select from any of the saved Customer validated Biodecontamination cycles or choose the SMART cycle option for biodecontamination at the push of a button.	
Productivity	<ul style="list-style-type: none"> • Decontaminates enclosures as large as 150m³* • VHP process technology improves cycle time • USB port allows for permanent electronic cycle data capture 	
Flexibility	Capable of operating as a standalone unit or integrated with another control system via optional Profinet™, EtherNet/IP™, Modbus®, BACnet® and/or discrete I/O. Can also connect to laptops, tablets and phones through a wireless interface for remote access to the VHP Flex.	
Security	Electronic Data Security to 21 CFR Part 11 available as an option for the VHP Flex. This software feature enables audit trail, electronic data capture, user administration and other features for compliance with FDA Title 21 CFR Part 11.	
Efficiency	Proprietary Vaprox™ Hydrogen Peroxide Sterilant minimizes risk of equipment damage and biodegrades naturally into water vapor and oxygen ¹ .	
Traceability	Vaprox Link RFID Technology ensures Vaprox Hydrogen Peroxide Sterilant lot traceability and compliance to chemistry expiration dates.	
Base Unit Includes	<ul style="list-style-type: none"> • VHP Flex • Siemens® HMI/PLC • Documentation • Vaprox Hydrogen Peroxide Sterilant Inlet Connection Hose 	
Applications ²	<ul style="list-style-type: none"> • Isolators • Decontamination Chambers • Biosafety Cabinets (BSC) • AHS/HVAC System Integration 	<ul style="list-style-type: none"> • Room Decontamination • Pass-Through Chambers • Sterilizers

* 150m³ is the maximum size space when using a 950mL cartridge of Vaprox Hydrogen Peroxide Sterilant. Bulk container use can enable decontamination of larger spaces. Refer to the user manual for application information.

Technical Specifications

Controller	Input Power	Class	Input Current Amps	Vaprox Injection Rate	Dimensions HxWxD	Net Weight
Siemens	120 VAC, 50/60 Hz 230/240 VAC, 50/60 Hz	UL CSA CE	18 Amps, 1 Phase 10 Amps, 1 Phase	1.0-12.0 g/min	26 x 26 x 47 in. (660x660x1194 mm)	215 lb (98 kg)

Accessories

VHP Wireless Tri-Scale Sensor

The VHP Wireless Tri-Scale Sensor includes VHP sterilant, humidity and temperature sensors to provide feedback to the Biodecontamination Unit control. The sensors can be used for monitoring or to control the Unit using the SMART Cycle feature. Up to four sensors can be connected to the Unit using wireless or wired connection. Sensors are independently identified by the control system.

H2O2 Sensors

Hydrogen peroxide vapor sensors available for safety monitoring.

STERIS Consumable Products

VHP Sterilant

Vaprox Hydrogen Peroxide Sterilant

35% (EPA Reg. No.58779-4 and EU BPR Registered) and 59% (EPA Reg. No.1943-123) stabilized aqueous solution of hydrogen peroxide designed for use with STERIS VHP Biodecontamination Units and accessories. The VHP Flex is compatible with the following sizes of Vaprox:

- Cartridge (950 mL)
- Bulk Container (5 gal/19 L)

Chemical Indicators

Steraffirm™ PCC051

Type 1 chemical indicator designed for use with STERIS's VHP process technology at low to intermediate hydrogen peroxide vapor concentrations.

Steraffirm PCC060

Type 4 chemical indicator designed for use with STERIS's VHP process technology at intermediate to high hydrogen peroxide vapor concentrations.

Biological Indicators

SpordeX™ NA333

E6 *Geobacillus stearothermophilus* (ATCC 12980) inoculated stainless-steel coupon in Tyvek® designed for use with STERIS's VHP process technology.

SpordeX NA114

Culture media designed for use with SpordeX biological indicators.

SpordeX NA117

Culture media designed for use with SpordeX biological indicators.

¹ Refer to the Vaprox Hydrogen Peroxide Sterilant or package label and insert for additional information and application instructions.

² Refer to the VHP Flex Operator Manual for additional information and application instructions.