

With its integration capabilities, configurability, and high output, the VHP M1000-T4 is one of the most efficient pharmaceutical grade Biodecontamination Units on the market today for large Enclosure biodecontamination and applications requiring integration into an AHS/HVAC system.



## VHP<sup>®</sup> M1000-T4 Biodecontamination Unit

Easy Operation	<ul style="list-style-type: none"> <li>Select from any of the saved Customer validated Biodecontamination Cycles and OptiaPhase software technology does the rest.<sup>1,2</sup></li> </ul>	
Productivity	<ul style="list-style-type: none"> <li>With 4 to 99g/min of hydrogen peroxide sterilant injection and OptiaPhase software control, decontaminate Enclosures as large as 1000m<sup>3</sup>.</li> <li>VHP process technology improves cycle time.</li> <li>Optional USB port allows for permanent electronic cycle data capture.</li> </ul>	
Integration	<ul style="list-style-type: none"> <li>Capable of operating as a standalone unit or integrated with another control system via optional Ethernet, Profinet, and/or discrete I/O.</li> <li>Optional module enabling communication between STERIS VHP<sup>®</sup> Generator and system network via EtherNet/IP, PROFIBUS, Modbus TCP, or BACnet/IP communication protocols.</li> </ul>	
Security	<ul style="list-style-type: none"> <li>Operator, Supervisor, and Service user levels with password protection.</li> <li>Optional 21 CFR Part 11 Data Security Package.</li> </ul>	
Efficiency	<ul style="list-style-type: none"> <li>Proprietary Vaprox<sup>®</sup> Hydrogen Peroxide Sterilant minimizes risk of equipment damage and is biodegradable into water vapor and oxygen.</li> </ul>	
Base Unit Includes	<ul style="list-style-type: none"> <li>VHP M1000-T4</li> <li>Siemens HMI/PLC</li> <li>Power Cord</li> </ul>	<ul style="list-style-type: none"> <li>Documentation</li> <li>VH2O2 Input/Output Hoses/Connections</li> </ul>
Applications	<ul style="list-style-type: none"> <li>AHS/HVAC System Integration</li> <li>Isolators</li> </ul>	<ul style="list-style-type: none"> <li>Room Decontamination</li> <li>Facility Decontamination</li> </ul>

## TECHNICAL SPECIFICATIONS

Controller	Input Power	Class	Input Current Amps	Output Range g/min	Dimensions W x L x H in (mm)	Net Weight kg (lbs)
Siemens	230V/1Ø/50-60Hz	UL CSA CE	50	4 – 99	44.5 x 71 x 16 (1130 x 1803 x 406)	600 (272)
	380V/3Ø/50-60Hz		25			

### Accessories

#### Munters Dehumidifiers

Dehumidification units available for permanent installation and portable operation.

#### Dräger H2O2 Sensors

Hydrogen peroxide vapor sensors available for permanent installation and portable operation.

### Sterility Assurance Products

#### VHP Sterilant

##### Vaprox® Hydrogen Peroxide Sterilant

35% stabilized aqueous solution of hydrogen peroxide designed for use with VHP Biodecontamination Units and Accessories (EPA Reg. No. 58779-4).

### Chemical Indicators

#### Steraffirm® PCC051

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

#### Steraffirm® PCC060

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® NA117

Culture media designed for use with Spordex® biological indicators.

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

<sup>2</sup> Refer to the VHP M1000-T4 Operator Manual for additional information and application instructions.

<sup>3</sup> Siemens model only.



STERIS CORPORATION  
5960 Heisley Road  
Mentor, OH 44060, USA  
T +1 800 444 9009

[www.STERISLifeSciences.com](http://www.STERISLifeSciences.com)

#### STERIS Offices Worldwide

Asia Pacific	+65 (0) 68 41 7677
Canada	+1 800 444 9009
Finland	+358 9 25851
France	+33 (0) 2 38 84 85 40
Germany	+49 (0) 221 466120
Italy	+39 (0) 2 21303 424
Latin America	+1 800 444 9009
Spain	+34 (0) 916 585 920
United Kingdom	+44 (0) 1256 840400

## STERIS Life Sciences

For over 100 years, STERIS has been known as a global leader, trusted partner and solutions provider in the field of sterilization and contamination control. Today, STERIS continues building on this heritage by advancing the Science of sterilization, cleaning and infection control while offering Solutions that meet our Customers' needs and high standards. STERIS is dedicated to helping you enhance the Life of your patients and the life of your equipment. From Formulated Chemistries, to Capital Equipment, and to Parts and Services, STERIS Life Sciences is your Solutions provider.

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