

The MD140X stand-alone, high-capacity VHP vacuum chamber offers pre-programmed cycles utilizing VHP sterilization technology for low temperature processing of lumen and non-lumen medical devices (in manufacturing settings⁴) and laboratory instruments.



VHP™ MD140X™ Biodecontamination Unit

Easy Operation	<ul style="list-style-type: none"> • Three factory programmed cycles for Lumen, Flexible Lumen and Non-Lumen loads simplify operation.^{1,2} • Ergonomic shelving makes loading and unloading easy – just pull and push.
Productivity	<ul style="list-style-type: none"> • 4.8 ft³ (136 L) open, square chamber design offers industry leading space for processing more instruments per cycle. • VHP process technology improves cycle time and daily throughput compared to conventional ethylene oxide systems.
Versatility	<ul style="list-style-type: none"> • Validated cycle capable of processing a non-lumen load of up to 19.65 lb (8.9 kg) in 28 minutes. • Validated cycle capable of processing a lumen load of up to 20 lumens in 55 minutes. • Validated cycle capable of processing a load of up to 2 flexible lumens or 1 flexible lumen and non-lumens load of up to 24lb(10.7kg) in 35 minutes.
Reliability	Low sensitivity to moisture minimizes aborted cycles, saving time and enabling reliable instrument turnaround.
Efficiency	Proprietary Vaprox™ 59 Hydrogen Peroxide Sterilant minimizes risk of instrument damage and is biodegradable into water vapor and oxygen.
Safety	Hydrogen Peroxide Measurements taken at the breathing zone of the employee and above both units were below the OSHA PEL of 1ppm over an 8-hour TWA as well as below PELs established outside the United States. ⁴
Base Unit Includes	<ul style="list-style-type: none"> • VHP MD140X • Documentation
Applications	<ul style="list-style-type: none"> • Instrument Manufacturing • Reusable Instruments³

Technical Specifications

Controller	Configuration	Input Power	Class	Input Current Amps	Dimensions HxWxD in	Net Weight lbs (kg)
Allen-Bradley	Single Door Recessed	208-230V/3Φ/50-60Hz	UL/CSA	16	75-1/8 x 33 x 38-5/16	850 (386)
	Single Door Cabinet					1020 (463)

Accessories

Seismic Tie Down Kit

Required for seismic installations for the safe operation of Biodecontamination Unit.

Trays & Organizer Clips

Trays are lightweight, durable and available in a variety of sizes to fit your instruments while organizer clips anchor instruments in-place for transportation.

Tray Mats

Mats are lightweight, durable and feature flexible prongs which loosely grip instruments.

Pouches

Vis-U-All™ pouches combine durable Tyvek with a clear 2.0 mL film to offer a wide variety of pouch sizes and styles in heat-seal, self-seal and customizable roll tubing.

Incubator

Incubators (6- and 28-vial) designed for use with Spordex S24 SCBI (NA340).

Sterility Assurance Products

VHP Sterilant

Vaprox™ 59 Hydrogen Peroxide Sterilant

59% stabilized aqueous solution of hydrogen peroxide designed for use with VHP Biodecontamination Units and Accessories (EPA Reg. No. 1043-123).

Chemical Indicators

Steraffirm™ PCC063

A Type 1 chemical indicator used for monitoring VHP biodecontamination processes at subatmospheric pressures.

Biological Indicators

Spordex™ S24 SCBI NA340

E6 Geobacillus stearothermophilus (ATCC 7953) 24-hour self-contained biological indicator.

¹ Refer to VHP MD140X Operator Manual for additional information and application instructions.

² Refer to the Vaprox 59 Hydrogen Peroxide Sterilant package label and insert for additional information and application instructions.

³ Not for use to reprocess reusable instruments for human use.

⁴ Refer to the VPRO Low Temperature Sterilization System Environmental H2O2 Safety Profile (M4496EN) for additional information.