

VHP® MD140X Biodecontamination Unit Frequently Asked Questions

1. What is the MD140X Biodecontamination Unit's primary use?

The MD140X Biodecontamination Unit is designed for low-temperature biodecontamination¹ of pre-cleaned and dry instruments and reusable instruments² for non-human use using STERIS's VHP process technology, vacuum conditions and Vaprox® 59 Hydrogen Peroxide Sterilant.

2. What types of instruments can be processed by the MD140X Biodecontamination Unit?

The MD140X Biodecontamination Unit can process lumen, non-lumen and flexible lumen instruments.³ In particular, instruments sensitive to heat and/or repeated exposure to heat where steam and ethylene oxide (EtO) may not be an option.

3. How much can be processed with the MD140X Biodecontamination Unit?

The MD140X Biodecontamination Unit offers an industry leading 4.8ft³ (136 L) square, open chamber design with two ergonomic shelves for easy instrument loading/removal and maximum instrument loads per cycle for a low cost of ownership and fast instrument turnaround time.

4. Is cycle development required to operate the MD140X Biodecontamination Unit?

The MD140X Biodecontamination Unit comes programmed with three validated biodecontamination cycles: Lumen, Non-lumen and Flexible.

5. What is a typical Biodecontamination Cycle with the MD140X Biodecontamination Unit?

The MD140X Biodecontamination Unit is programmed with three validated cycles: Lumen (55 minutes); Non-Lumen (28 minutes); and Flexible (35 minutes). Each Biodecontamination Cycle proceeds through three phases: Condition, Biodecontamination, and Aeration.

6. Does the MD140X Biodecontamination Unit produce the same hydrogen peroxide vapor as other STERIS VHP Biodecontamination Units?

The MD140X Biodecontamination Unit uses the same patented, STERIS VHP process technology as other

STERIS VHP Biodecontamination Units. This process utilizes hydrogen peroxide vapor as a broad spectrum anti-microbial without condensation of the active ingredient onto surfaces with good material compatibility. The hydrogen peroxide vapor state distinguishes STERIS VHP Biodecontamination Units from other technologies on the market (i.e. fog, dry fog, plasma and micro-condensation).

7. What type of sterilant does the MD140X Biodecontamination Unit use?

The MD140X Biodecontamination Unit uses STERIS's proprietary Vaprox 59 Hydrogen Peroxide Sterilant. Vaprox 59 Hydrogen Peroxide Sterilant is designed specifically for STERIS VHP Biodecontamination Units. It is a 59% hydrogen peroxide aqueous solution that is registered with the US EPA (EPA Reg. No. 1043-123).

8. Does the MD140X Biodecontamination Unit use any type of sterilant recognition technology?

The MD140X Biodecontamination Unit verifies the expiration date of the product, tracks the days it has been opened and tracks the number of cycles per Cup that have been performed. Ready, Status, Standby and Cup Empty screens include a cup level indicator in the lower right corner. Each bar represents approximately 4 cycles.

9. What type of control does the MD140X Biodecontamination Unit have?

The MD140X Biodecontamination Unit uses an Allen-Bradley Compact Logix™ (Panel Plus™ 6 1000 Display) control. The PLC features a 10.4" color TFT display with touch screen.

10. What configurations is the MD140X Biodecontamination Unit available?

The MD140X Biodecontamination Unit is available in Single Door – Recessed and Single Door – Cabinet configurations. A Double Door configuration is available as a special order unit.

11. What languages are available for the MD140X Biodecontamination Unit?

The MD140X Biodecontamination Unit is available as an English only unit. Other languages are available as a special order unit.

12. What voltages are available for the MD140X Biodecontamination Unit?

The MD140X Biodecontamination Unit is available in 208-230Vac/3Ø/50-60Hz. Other voltages are available as a special-order unit.

13. What additional space or utility requirements are needed to operate the MD140X Biodecontamination Unit?

The MD140X Biodecontamination Unit is a self-contained unit. This means that there are no additional plumbing, ventilation, or air supply requirements.

14. Does STERIS Life Sciences offer any accessories, options and sterility assurance products to support the MD140X Biodecontamination System?

STERIS Life Sciences offers a wide variety of products specifically designed for supporting STERIS VHP Biodecontamination Units and applications. Refer to the MD140X Biodecontamination Unit sell sheet, technical data sheet, operator manual and/or contact your local STERIS Life Sciences representative for additional information and support.

15. Does STERIS Life Sciences offer any additional services?

STERIS Life Sciences Service offers a suite of services for the Customer including the following:

- Biodecontamination Services
- Preventative maintenance programs
- OEM replacement parts
- Calibration
- IQ/OQ
- Cycle development

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. The Company is listed on the New York Stock Exchange under the symbol STE. For more information, visit www.steris.com.

STERIS has a comprehensive offering of detergents, disinfectants, skin care products and sterility assurance products that support your needs. We also have world class technical support to design the most effective cleaning program for your facility.

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¹ Refer to the Vaprox 59 Hydrogen Peroxide Sterilant package label and insert for additional information and application instructions.

² Not for use to reprocess reusable instruments for human use.

³ Refer to VHP MD140X Operator Manual for additional information.