

# VHP® MD140X Biodecontamination Unit

## Preparation, Packaging and Loading Guide



### 1) Instrument Preparation<sup>1</sup>

Remove all blood, tissue, and soil following instrument manufacturer's instructions. Thoroughly rinse all items to remove cleaning chemistry residue. Dry all items completely; ensuring moisture is removed completely from instrument exterior and any lumen channels. Visually inspect items for cleanliness and dryness before packaging.

### 2) Packaging Individual Instrument in Pouches

Instruments may be placed in individual self-seal peel pouches or heat-sealable pouches. STERIS Vis-U-All™ Tyvek®



pouches are recommended for use with MD140X Biodecontamination Unit. Place a Chemical Indicator inside each pouch such that the indicator color can

be seen from the transparent side of the pouch when the cycle is completed. Double pouching is allowed. When double pouching, never fold the inner pouch and ensure that clear plastic faces clear plastic and Tyvek faces Tyvek.

### 3) Tray Packaging and Load Preparation

Instruments can be placed in trays for biodecontamination. STERIS recommends use of the MD140X Biodecontamination Unit Trays, Organizers and Mats as they have been designed to allow optimal diffusion of Vaprox® 59 Hydrogen Peroxide Sterilant vapor throughout load. Arrange items in a single layer with minimal overlap in tray. Place a Chemical Indicator within each tray. Select the appropriate size polypropylene wrap, and wrap the tray.

**DO NOT:** stack trays within trays, wrap instruments within a wrapped tray, or use tray mats or other padding not validated for use in the MD140X Biodecontamination Unit or Amsco® V-Pro™ Series Units. When using container systems validated for use in MD140X Biodecontamination Unit or Amsco V-Pro Series Units, follow manufacturer's instructions.<sup>1</sup>

### 4) Pouches

If a pouch holder such as STERIS's PouchCare system is used, the transparent side of pouch faces the opaque side of the next pouch. If a pouch holder is placed inside a tray, the tray should not be wrapped. Pouched instruments should not be placed inside a wrapped tray.

### 5) Loading the MD140X Biodecontamination Unit

- Place wrapped trays into biodecontamination unit. DO NOT stack trays.
- If using pouches, these can either be placed on the shelf alone, in a tray with an open lid, or in an organizer.
- Leave sufficient space around each item in the biodecontamination unit to ensure optimal diffusion of Vaprox 59 Hydrogen Peroxide Sterilant vapor throughout load.
- Never place liquids, linen, powders, paper, towels, wood applicators, or any other cellulosic material in the biodecontamination unit.
- Follow load, weight and lumen restrictions for the biodecontamination cycle used. Refer to biodecontamination unit Operator Manual for additional information and application instructions.

<sup>1</sup>Not for use to reprocess reusable instruments for human use.

STERIS Life Sciences offers a suite of VHP services, chemistries and accessories to meet all of your biodecontamination needs.

## Compatible Materials

- Aluminum\*
- Brass
- Delrin® acetyl resin (polyacetal)
- Ethyl vinyl acetate (EVA)\*
- Glass
- KRATON™ Polymers
- Neoprene
- Noryl (Polyphenylene oxide)
- Non-mated Nylon (polyamide)
- PEEK
- Polymethyl methacrylate (PMMA)\*
- Polycarbonate\*
- Polyethylene
- Polypropylene
- Polystyrene
- Polyurethane\*\*
- Polyvinyl chloride (PVC)
- Radel® (Polyphenylene sulfone)\*
- Silicone
- Stainless Steel
- Teflon® (Polytetrafluoroethylene)
- Titanium ULTEM® Polymers (Polyetherimide)\*

\* Not compatible when used in eye contacting instruments. All instruments must be processed according to the manufacturer's instructions for use.

† Not for use in Lumen Cycle.

Delrin and Teflon are registered trademarks of E.I. DuPont DeNemours and Company.

KRATON is a registered trademark of Kraton Polymers U.S. LLC.

Radel is a registered trademark of Solvay Advanced Polymers LLC.

Ultem is a registered trademark of SABIC Innovative Plastics IP B.V.

Tyvek is a registered trademark of DuPont.

## 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](http://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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## STERIS Life Sciences Service

Delivering world-class support where you operate, STERIS Life Sciences Service offers the following services:

- Biodecontamination
- Preventative maintenance programs
- Replacement parts
- Calibration
- IQ/OQ
- Cycle development



and other services upon request.