

SYSTEM 1E™ LIQUID CHEMICAL STERILANT PROCESSING SYSTEM

The Evolution of Liquid Chemical Sterilization

For High-Speed Device Turnaround



From the Substerile to the Surgeon in Only 23 Minutes*.

MINUTES **1-2**

Extensively treated potable water enters the processor through a 3-Step Treatment Process

MINUTES **2-4**

Treated water mixes with S40™ Sterilant Concentrate, a peracetic acid germicide, creating a powerful use-dilution to process the devices

MINUTES **4-10**

6-Minute Exposure Phase eliminates all microbial life

MINUTES **10-12**

Use-dilution rinses safely down the drain

MINUTES **12-18**

2 extensively treated rinse phases remove chemical residues

MINUTES **18-23**

Automated MaxPure™ Filter Integrity Test confirms that the filter operated successfully

MINUTE **23**

Validated critical and semi-critical heat-sensitive devices are ready for immediate-use

Comparison Chart

SYSTEM 1E™

(Liquid Chemical Sterilization)

COMPETITION

(VHP Gas Plasma)

DEVICE REPROCESSING DEPTH

Extensive list of validated critical and semi-critical heat-sensitive medical devices including both single- and multi-channel flexible endoscopes.

Wide range of surgical instruments including single-channel flexible endoscopes. No multi-channel flexible endoscopes.

SPEED OF PROCESSING CYCLE

23 minutes.

38 minutes for lumen devices. Single-channel flexible endoscopes, sized 1mm to 850mm or shorter.

MATERIAL COMPATIBILITY

Devices validated for 300 cycles without damage.

For specific surgical, flexible endoscopes, devices may need to be repaired after 100 cycles.*

* Compatibility of Olympus Small Diameter Flexible Endoscopes, Camera Heads and Accessories with the STERRAD® NX Sterilizer: Technical Information for Olympus Customers in the United States: December 15, 2009, Olympus America Inc.

Excellence

In Liquid Chemical Sterilization.

STERIS has over 21 years of experience with liquid chemical sterilant technology and oxidative chemistries. SYSTEM 1E has excellent material compatibility and has extensive critical and semi-critical heat-sensitive medical device reprocessing capability, including flexible multi-channel, surgical endoscopes. Providing a high standard of patient care, whether it's in your OR or GI department, SYSTEM 1E will help you reprocess with confidence.

The SYSTEM 1E Liquid Chemical Sterilant Processing System provides peace of mind and high-speed turnaround of validated rigid and flexible heat-sensitive devices.



Efficiency

Faster turnaround saves you time.

Integral in the perioperative loop, SYSTEM 1E™ Liquid Chemical Sterilant Processing System is designed to improve the flow of the OR. After cleaning, you're ready for the next procedure in 23 minutes. Immediate, point-of-use processing helps to assure an efficient OR with:

- Increased productivity
- Reduced resources
- Minimal costly inventory
- Maximum surgical procedures

Robust filtration systems and a UV irradiation unit extensively treat potable water for the liquid chemical sterilization process.



Ease

Simple 3-step process for an on-time start.

Maintaining a tight schedule in the OR suite demands quick access. Liquid chemical sterilization provides reprocessing ease for clean, reusable, immersible and heat-sensitive critical and semi-critical devices. S40 Sterilant Concentrate is a powerful liquid chemical sterilant that eliminates all microbial life. Its compact footprint makes SYSTEM 1E convenient and ideal for a variety of locations.



Simple 3-step instrument reprocessing streamlines the use to reuse turn-around time.



Environment

Environmentally friendlier for the OR.

The use-dilution has a neutral pH, and rinses safely down the drain. SYSTEM 1E performs 2 quick rinse cycles, reducing energy and water consumption.

S40 Sterilant Concentrate

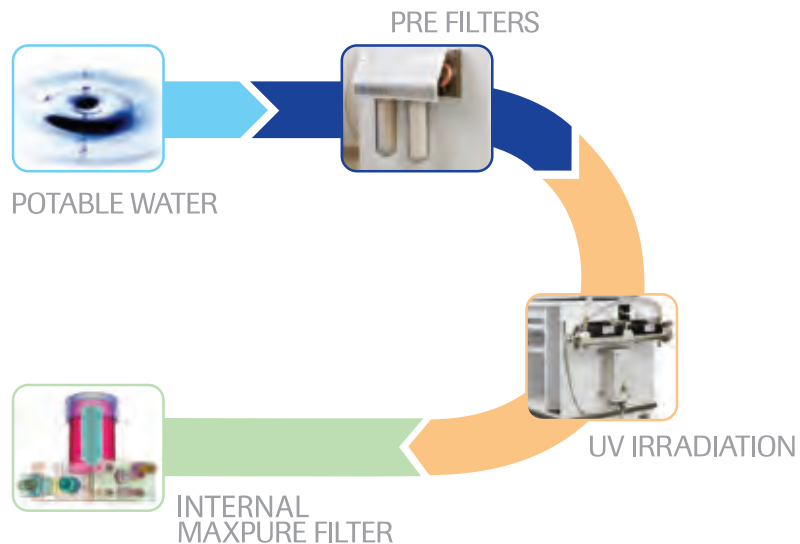


Ensure

The SYSTEM 1E Liquid Chemical Sterilant Processing System helps you assure a consistent process.

- Productive
- Prevention
- Protection
- Peace of mind

Running a 23-minute cycle, SYSTEM 1E™ minimizes device downtime between patients. Two pre-filters, UV irradiation and a MaxPure™ filter work in harmony with S40 Sterilant Concentrate as a validated process for critical and semi-critical, heat-sensitive devices. The use-dilution is gentler on delicate surgical instruments, including multi-channel flexible endoscopes.



Extensively treated water flows continuously through the internal MaxPure filter throughout the exposure and rinse phases.

Entrust

From the trusted innovator & leader in Liquid Chemical Sterilization.

STERIS understands medical device reprocessing in the perioperative loop and anticipates your needs and provides responsive solutions to help you achieve your clinical objective.

- Increase productivity
- Reduce inventory
- Start and finish surgical procedures on time
- Save resources
- Save time

As a world leader with a heritage of infection control and sterilization technologies for over 100 years, STERIS helps provide a healthier today and safer tomorrow.

For more information, contact your STERIS representative today or visit SYSTEM1E.com

Product comparisons to SYSTEM 1® or VHP Gas Plasma as applicable. Product performance and other descriptions are for general information only and do not alter product warranties, labeling, instructions for use, or other technical literature.

Mixed Sources

Product group from well-managed forests, controlled sources and recycled wood or fiber



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 **STERIS**

STERIS Corporation
5960 Heisley Road
Mentor, OH 44060-1834 • USA
440-354-2600 • 800-548-4873
www.steris.com