Low Temperature Sterilizer

STERIS V-PRO 60

ABOUT

The **Steris V-PRO 60** low temperature sterilizer is designed to provide reliable sterilization for heat- and moisture-sensitive medical devices. Using vaporized hydrogen peroxide (VHP) technology, the V-PRO 60 ensures effective sterilization while maintaining compatibility with a wide range of materials. This compact system offers three pre-programmed cycles—Lumen, Non-Lumen, and Flexible—to address diverse sterilization needs. Its automated processes, safety features, and rapid cycle times make it an efficient choice for modern healthcare facilities.

FEATURES

Low Temperature Sterilization: Operates at low pressure and temperature, ideal for heat- and moisture-sensitive devices.

VHP Technology: Utilizes VAPROX HC Sterilant to produce vaporized hydrogen peroxide for thorough sterilization.

Three Pre-Programmed Cycles: Lumen Cycle: for devices with diffusion-restricted spaces; Flexible Cycle: for flexible endoscopes or bronchoscopes, Non-Lumen Cycle: for non-lumened rigid, semi-rigid, and flexible devices.

Automated Processes: Fully automated sterilization cycle with condition, sterilize, and aeration phases for precision and reliability.

Compact Design: Available in single-door counter or cart-mounted configurations to fit various facility layouts.

DIMENSIONS AND WEIGHT

Sterilizer Dimensions:
31" W x 31" L x 28" H (78.7 x 78.7 x 71.1 cm)

Chamber Dimensions:
13" W x 28" L x 10" H (33.0 x 71.1 x 25.4 cm)

Chamber Volume:
2.1 cubic feet (60 L)

Weight:
120 Vac units: 255 lb (116 kg)

230 Vac units: 259 lb (117 kg)

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SPECIFICATIONS

STERILIZATION CYCLES

The V-PRO 60 Low Temperature Sterilization System offers three pre-programmed cycles, each tailored for specific sterilization needs:

Lumen Cycle: Approximately 60 minutes, designed for devices with lumens or diffusion-restricted spaces.

Non-Lumen Cycle: Approximately 28 minutes, for sterilizing non-lumened instruments.

Flexible Cycle: Approximately 38 minutes, intended for one flexible endoscope or similar devices.

CONDITION PHASES

Each cycle progresses through three phases: Condition, Sterilize, and Aeration.

Condition Phase: During this phase, the sterilizer removes air and moisture from the chamber. The reservoir fills, and a vacuum pulse is applied. The load is tested for moisture content; if acceptable, the process advances. If moisture levels are too high, the pulse repeats until conditions are met.

Sterilize Phase: This phase involves four pulses, each consisting of:

- Pulling a vacuum to the setpoint.
- Introducing vaporized VAPROX HC Sterilant into the chamber.
- Holding the vapor for a programmed time.
- Introducing filtered air to reach a setpoint, followed by another hold time.
- Finally, a deep vacuum is applied to complete the pulse.

Aeration Phase: In the final phase, a vacuum removes remaining sterilant vapors, reducing their concentration within the chamber. Once completed, chamber pressure returns to normal, and the door unlocks, signaling the end of the cycle.

DISPLAY CONTROLS AND PRINTING

Display Control Panel is centrally located on the front of the sterilization unit for user convenience. This 5.7-inch color touch screen, with a resolution of 640 x 480 pixels, provides clear information and easy navigation. The interface is intuitive, featuring color-coded screens to streamline operation and enhance usability.

Printer is positioned on the front right side of the unit. It features an alphanumeric impact design and produces a clear, permanent record of each sterilization cycle. The printer uses 2.25-inch (5.7 cm) wide, 24-character tape, and includes a paper take-up for organized documentation. This system ensures accurate and accessible sterilization records for compliance and review.