

THE BEST JUST BECAME BETTER

TRANSFORMING LOW TEMPERATURE STERILIZATION

V-PRO™ *maX2*
Low Temperature Sterilization System



**PERFORMANCE,
RELIABILITY
and SAFETY**

PERFORMANCE

Introducing the world's Fastest Sterilization Cycle

The V-PRO™ maX 2 Sterilizer delivers greater productivity for day-to-day OR needs than any sterilizer on the market

- Shortest cycle time
- Largest chamber capacity
- Less sterilant, more value

maX speed FOR NON LUMEN DEVICES

V-PRO™ maX 2

Low Temperature Sterilization System

V-PRO™ maX 2 Sterilizer
Fast Non Lumen Cycle



Brand X

STERRAD 100NX® Sterilizer
Express Cycle***



maX capacity FOR NON LUMEN DEVICES

V-PRO™ maX 2

Low Temperature Sterilization System

V-PRO™ maX 2 Sterilizer
Non Lumen Cycle



Brand X

STERRAD 100NX® Sterilizer
Standard Cycle



+



**INCREASED
PRODUCTIVITY**
REDUCED EXPENSE



35%
less consumable
cost*



27%
less service
cost*



20%
faster BI
read**

*** STERRAD 100NX® Sterilizer Express Cycle time excludes the 5 minutes conditioning phase and moisture test to be added to the cycle time to have a complete cycle comparable to the V-PRO maX 2 Fast Non Lumen Cycle. STERRAD® Systems with AllClear™ Technology brochure No. AD-160029-01-CT_A 2017

* Savings based on U.S. Government contract pricing for STERRAD 100NX in 2014 over a 7 year lifetime. ** With Celerity 20 HP Biological Indicator

PERFORMANCE

V-PRO™ *maX2* Low Temperature Sterilization System



Less Sterilant

Fast Non Lumen Cycles use half the sterilant compared to all other V-PRO™ Sterilizer cycles, lowering your cost-per-cycle

Know your running low

RFID technology notifies you of remaining sterilant and cup expiration to help reduce waste

PRO-LITE™ Sterilization Trays

Designed specifically for V-PRO™ Sterilizers, optimise loading capacity and increase weight capacity



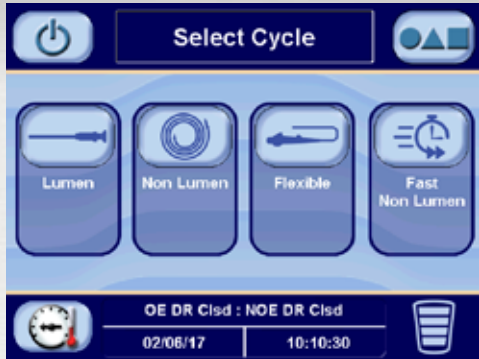
Industry-leading cycle performance

Fast Non Lumen Cycle	Non Lumen Cycle	Flexible Cycle	Lumen Cycle
Maximum weight 	Maximum weight 	Maximum weight 	Maximum weight
Popular devices validated Experience the speed of the innovative Fast Non Lumen Cycle and process devices in just 16 minutes, such as <ul style="list-style-type: none"> • Cameras • Telescopes • Batteries • Laryngoscope blades 		2 flexible endoscopes; or 1 endoscope and non-lumened load (total of 11 kg combined) Mixed loads: Process 2 flexible scopes in the same load or a flexible scope + a non-lumen load 	20 stainless steel lumens (single, dual or triple channel devices)

RELIABILITY

MaX Ease

Simple, intuitive cycle selection via large icons make training and day-to-day use easy



Exceptional conditioning phase and smart reservoir in the V-PRO™ Sterilizer

- **Moisture check** to verify the load is dry*
- If moisture is detected, the V-PRO™ Sterilizer will attempt to remove residual moisture from the load and packaging
- Built-in reservoir in the V-PRO™ Sterilizer stores the VAPROX™ HC Sterilant before injection during the conditioning phase and prevents the use of VAPROX™ HC Sterilant in case of aborted cycles

*Users must always ensure the load is thoroughly dried prior to placing the load in the sterilizer



Hands-free loading

Innovative foot pedal makes loading quick, safe and easy

V-PRO™ maX 2 Sterilizer

Celerity™ 20 HP Biological Indicator

= **MAXIMUM THROUGHPUT**
Fastest Results in the Industry

celerity™

20 HP Biological Indicator

- 20 minute read, World's fastest BI
- 20% faster than leading competitor
- Accelerated load release means improved productivity
- Innovative glass-free design increases staff safety

Compliance made simple

Driven by real-time data delivered from your V-PRO™ maX 2 Sterilizer and Celerity™ HP Incubator to your facility's tracking system, ConnectAssure Technology allows your staff to focus on what matters most — supporting the OR

- Complete sterilization records in one place
- Reminders for regular maintenance tasks
- Essential reporting for compliance
- Demonstrate compliance over a defined period
- Eliminate lost or incomplete sterilization records

No tracking system? No problem

ConnectAssure Technology has a robust interface that allows all the benefits of the software without a facility tracking system



V-PRO™ maX2

Low Temperature Sterilization System

Overall dimensions (WxDxH)	Single Door Recessed: 838 x 973 x 1829 mm
	Single Door Cabinet: 838 x 973 x 1829 mm
	Double Door Recessed: 838 x 1040 x 1829 mm
Chamber size	432 x 381 x 826 mm
Chamber usable volume	136 L
Installation requirements	System installation requires no plumbing, ventilation or air supply – only a dedicated electrical connection is needed. A power cord is supplied for this connection
Operating temperature	≤ 51.5 °C
Chamber	Chamber and door assembly are aluminium equipped with a silicone rubber gasket for the door and a welded backhead for the chamber
Door locking mechanism	Automatic door locking mechanism keeps the sterilization system door locked during the entire Sterilization Cycle. After cycle completion, the door is electrically unlocked
Sterilant cup interface	Only accepts VAPROX™ HC Sterilant Cups. The system control automatically tracks the amount of VAPROX™ HC Sterilant used and the sterilant expiration date
Catalytic converter	Catalytic converter receives outflow from chamber during all cycle phases and converts hydrogen peroxide into water vapor and oxygen
Control display panel	Control display panel is located on the front of the Sterilization unit. This colour touch panel provides user information and allows user inputs
	The display is a 640 x 480 pixel resolution, 10.4" screen
Printer	The alphanumeric impact printer provides an easy-to-read permanent record of the Sterilization Cycle. Printer provides a 5.7 mm, 24-character-wide cycle tape and paper take-up

V-PRO™ maX2

Low Temperature Sterilization System

The best just became better

973 mm Recessed Single Door
973 mm Cabinet Single Door
1040 mm Recessed Double Door



Enjoy the full range of accessories and indicators

Indicators



VERIFY™ VH2O2 Vaporize Process Indicator Strips



VERIFY™ VH2O2 Vaporized Process Label



VERDOC™ VH2O2 Vaporized Record Cards with Process Indicator



VERIFY™ VH2O2 Indicator Tape



Celerity™ 20 HP Biological Indicator



Celerity™ HP incubator



Celerity™ HP Challenge Pack



VERIFY™ V24 Self-contained Biological Indicators



VERIFY™ Biological Indicator Incubators



VERIFY™ Biological Indicator Challenge Pack for VH2O2 Sterilization Processes

Sterilant and accessories



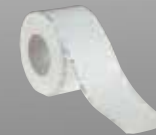
VAPROX™ HC Sterilant



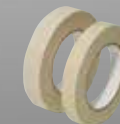
Trays



Tray mats and organisers



Tyvek® Pouches and Reels



Tape



ZENPACK SMMS Polywraps

SAFETY



The STERIS Device Testing team has the knowledge, expertise and tools to provide you confidence when reprocessing validated devices. This team works closely with medical device manufacturers to test devices for material compatibility and sterilization efficacy

The validated list of medical devices for the V-PRO™ Sterilizers is growing. Examples of currently validated devices include:



Endoscope	Arthroscopes Choledochoscopes Bronchoscopes	Bronchoscopes Intubation Endoscopes	Cystoscopes Laparoscopes	'da Vinci® Endoscopes Rhinolaryngoscopes	Hysteroscopes Ureteroscopes
Endoscope Accessories	Cameras	Sheaths/Adapters/Bridges	Cannulas	Fibre Optic Light Cables	Obturator
Powered Instruments	Batteries	Chuck	Drills	Saws	Handpieces
General Surgical Instruments	Curettes	Forceps	Scissors	Retractors	
Packaging	Wraps	Rigid Containers	Trays	Pouches	
Other Devices	Bougies Transducers	Defibrillation Paddles Ultrasound Probes	Laryngoscope Blades and Handles Gonio/Vitrectomy Lens	Flow probes	



Please scan here

[Discover our online compatibility matrix!](#)

We constantly update a long list of instruments validated for use in V-PRO™ Sterilizers

'da Vinci endoscopes is a registered trademark of Intuitive Surgical, Inc.

Broad device manufacturers endorsements

INTUITIVE
SURGICAL®

OLYMPUS

stryker®

PENTAX
MEDICAL

STORZ
KARL STORZ – ENDOSKOPE

RICHARD
WOLF 

ENDO
OPTIKS

and many more.

V-PRO™ Sterilizers are SAFE for the User, the Patient, the Medical Devices and the Environment*

No toxic residues are released to the environment, only water and oxygen vapor

- Hydrogen Peroxide emissions from V-PRO™ Sterilizers are well below the established Permissible Exposure Limits (PEL) for all countries where applicable
- The 15-minute Short-Term Exposure Limit (STEL) levels of Hydrogen Peroxide are below all applicable standards

*V-PRO™ Low Temperature Sterilization System, Environmental H2O2 Safety Profile. Independent testing, using a fully validated OSHA test method, demonstrates industry-leading levels of Safety for Healthcare employees and the environment. For further information and scientific studies visit www.steris.com

Antimicrobial efficacy

- The broad spectrum activity of VHP has been widely studied and published, with known virucidal, bactericidal, fungicidal, mycobactericidal, cysticidal and sporicidal activity
- The V-PRO™ Sterilizer can inactivate TSE prion proteins and reduce the risk of prion infectivity on medical device surfaces*

Designed to meet parametric release criteria in accordance to the requirements of EN ISO 14937

The performance of the V-PRO™ maX Sterilizer is ensured through rigorous control and independent monitoring of various critical parameters during the cycle. If any process parameter is outside of the established ranges, the cycle will abort

*Testing was confirmed in vitro and in vivo with multiple strains of prions (including vCJD/BSE) under worst case test conditions and in the presence/absence of cleaning. Fichet, G. E. Comoy, K. Antloga, C. Duval, G. McDonnell, J.P. Deslys. 2004. Novel methods for disinfection of prion-contaminated medical devices. The Lancet 364: 521-526. Fichet G., K. Antloga, E. Comoy, J.P. Deslys, G. McDonnell (2007). Prion inactivation using a new gaseous hydrogen peroxide sterilisation process. J. Hosp. Infect. 67: 278-386. McDonnell G., C. Dehen, A. Perrin, V. Thomas, A. Igel-Egalon, P.A. Burke, J.P. Deslys, E. Comoy (2013) Cleaning, Disinfection and Sterilization of Surface Prion Contamination. J. Hosp. Infection 85: 268-273. NOTE: These claims and this brochure are for Use only in Europe, Middle East and Africa.

V-PRO™ Sterilizers - Transforming low temperature sterilization through:

SAFETY for the User, the Patient, the Medical Devices and the Environment.
No toxic residues, only Oxygen and Water

RELIABILITY Broad range of device manufacturer endorsements,
fewer moisture-related aborts increasing productivity

PERFORMANCE Faster cycle times and industry leading cycle
claims will allow for a quick device turnaround and maximizing the
number of devices per load



EMEA CLINICAL EDUCATION

STERIS
UNIVERSITY

Professional Education & Clinical Expertise

Get connected to STERIS University, encompassing training disciplines and quality Clinical Education, delivered by a team of expert industry professionals.

For more details, ask educationdesk@steris.com or visit university.steris.com

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