

# 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

## V-PRO™*maX*2

Low Temperature Sterilization System

### Industry-leading cycle performance

#### Fast Non Lumen Cycle



Maximum weight  
5 KG

#### Popular devices validated

Experience the speed of the innovative Fast Non Lumen Cycle and process devices in just 16 minutes, such as

- Cameras
- Telescopes
- Batteries
- Laryngoscope blades
- da Vinci® S™, da Vinci® Si™ Endoscopes and da Vinci® Xi™ Endoscopes

#### Non Lumen Cycle



Maximum weight  
22.7 KG

#### Flexible Cycle



Maximum weight  
10.9 KG

2 flexible endoscopes; or 1 endoscope and non-lumened load (total of 11 kg combined)

#### Mixed loads:

Process in the same load:  
a. 2 flexible scopes  
or  
b. a flexible scope + a non lumen load



#### Lumen Cycle



Maximum weight  
8.9 KG

20 stainless steel lumens (single, dual or triple channel devices)



### Less Sterilant

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

### Know you're 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

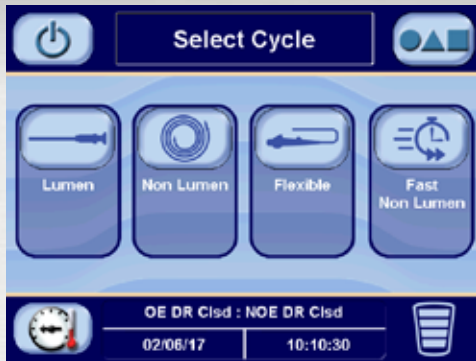




# RELIABILITY

## 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, industry'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

<b>Overall dimensions (WxDxH)</b>	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
<b>Chamber size</b>	432 x 826 x 381 mm
<b>Chamber usable volume</b>	136 L
<b>Installation requirements</b>	System installation requires no plumbing, ventilation or air supply – only a dedicated electrical connection is needed. A power cord is supplied for this connection
<b>Operating temperature</b>	≤ 50 °C
<b>Chamber</b>	Chamber and door assembly are aluminium equipped with a silicone rubber gasket for the door and a welded backhead for the chamber
<b>Door locking mechanism</b>	Automatic door locking mechanism keeps the sterilization system door locked during the entire Sterilization Cycle. After cycle completion, the door is electrically unlocked
<b>Sterilant cup interface</b>	Only accepts VAPROX™ HC Sterilant Cups. The system control automatically tracks the amount of VAPROX™ HC Sterilant used and the sterilant expiration date
<b>Catalytic converter</b>	Catalytic converter receives outflow from chamber during all cycle phases and converts hydrogen peroxide into water vapor and oxygen
<b>Control display panel</b>	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
<b>Printer</b>	The alphanumeric thermal 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



Celerity™ HP VH2O2 Process Indicator Strips



Celerity™ Vaporized VH2O2 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



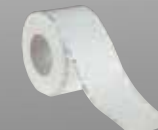
VAPROX™ HC Sterilant



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:



<b>Endoscope</b>	Arthroscopes Choledochoscopes Bronchoscopes	Bronchoscopes Intubation Endoscopes	Cystoscopes Laparoscopes	'da Vinci® Endoscopes Rhinolaryngoscopes	Hysteroscopes Ureteroscopes
<b>Endoscope Accessories</b>	Cameras	Sheaths/Adapters/Bridges	Cannulas	Fibre Optic Light Cables	Obturator
<b>Powered Instruments</b>	Batteries	Chuck	Drills	Saws	Handpieces
<b>General Surgical Instruments</b>	Curettes	Forceps	Scissors	Retractors	
<b>Packaging</b>	Wraps	Rigid Containers	Trays	Pouches	
<b>Other Devices</b>	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](http://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.

VH202  
Sterilization

## 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



 **STERIS**

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EMEA CLINICAL EDUCATION

**STERIS**  
UNIVERSITY

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