

RESTEC Solutions LLC

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The first automated disinfection device to registered with FDA under product code MEC to use Hydrogen Peroxide with PAA to disinfect reusable medical items.

A Validated Disinfection Process...

- Meets ANSI/AAMI/ISO 11138-11140 standards for cycle validation
- Achieves $>\log^6$ (99.9999%) reduction of *G-steatro* spores¹ on a biological indicators for gaseous H_2O_2 sterilizers
- Chemical indicator confirming the appropriate level of PAA is present
- Ultra-fine vapor using EPA registered, food grade H_2O_2 PAA disinfectant ²
- Vaporized H_2O_2 PAA is an effective sporicidal agent³ against *C-diff* and *C-auris*⁵



Hydrogen Peroxide with PAA is a common EPA/FDA approved cold sterilant used in healthcare and food industries.

The SONOPRO patented system⁶ generates ultra fine particle aerosol with gas like performance providing excellent antimicrobial efficacy and coverage.



Environment and Safety...

- 5 minute total cycle time, items are dry and available for immediate use
- For terminal disinfection of precleaned reusable medical items
- Designed for use by trained staff in critical care hospital areas
- Excellent material compatibility, safe on elastomers, plastics, medical electronics
- Meet OSHA PEL safety threshold limits ⁴

1. *Geobacillus stearothermophilus* 12980 for gaseous hydrogen peroxide sterilization validation (SBC-327 Mesa Labs, Bozeman MT).
2. EPA Reg. No. 10324-214 LIST-N https://www.epa.gov/sites/default/files/2020-05/documents/052120_tagalog_051520_pdf_list_n.pdf
3. <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2-covid-19> (List N)
4. Testing in chamber upon cycle complete measured below OSHA PEL TWA STEL for H_2O_2 and $HC_2H_3O_2$ tested with Dragager Accuro system
5. AJIC, Efficacy of a multi-purpose high level disinfection cabinet against *Candida auris* and other health care-associated pathogen, C J Donskey et.al.
6. United States Patent No.: US 11,160,192 B2 Issue Date Nov. 2, 2021 ULTRASONIC STANDING WAVE NEBULIZATION SYSTEM

SONOPRO

SPECIFICATIONS

Power Input

120/240VAC 550 Watts 60/50Hz

Operating Conditions

Temp 55°–95°F – Humidity 10%–90% RH

Weight – 77lbs/34kg

External Dimensions

Height 25" X Width 20" X Depth 22"

Treatment Chamber Dimensions

Height 24" X Width 13" X Depth 18"

HMI – 4.3" Color Touch Screen

Cycle Validation Products(biological/chemical)

11138 Mesa Labs – Apex® G-Stearo

11140 Millipore Sigma – PAA 500-2000 mg/L

Configurable Shelving

304 stainless steel

Lighting – White/Blue LED cycle indication

Liquid Servicing Intervals

SONOCHEM®A – replace every 250 cycles

SONOCHEM®B – replace every 25 cycles

CHEMISTRY DATA

SONOCHEM® – “food grade” PAA cold sterilant

SONOCHEM®A – Disinfectant Solution

H₂O₂ PAA Stabilized, 1 year shelf life

250ml HDPE round white containers

SONOCHEM®B – Diluent Solution

pH Buffered Diluent, 1 year shelf life

200ml PET square clear containers



proudly designed and built in the **USA**

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