

AeroClave, LLC

Our mission is to combat the spread of infectious diseases through a family of comprehensive, cost-effective, and environmentally safe solutions.





Hospitals / Healthcare



Public Safety / First Responders



Parts and Pieces





Control Panel





Control Panel





Fixed Heads

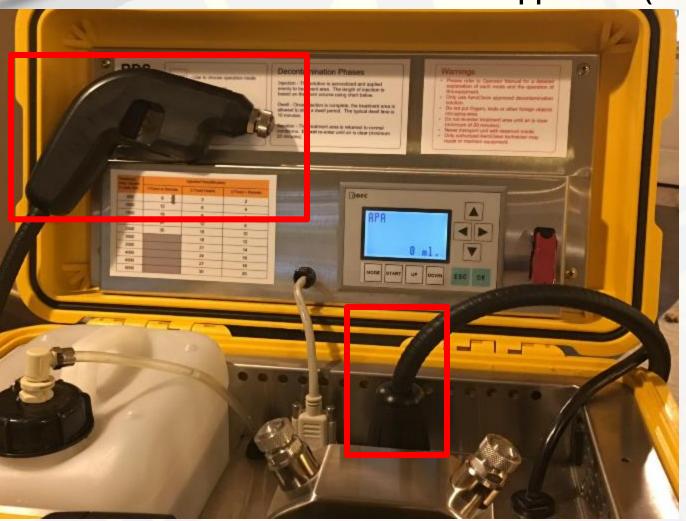




Smart Port





















Solution Tank





Remote Control





Treatment Solution

DISINFECTS AS IT CLEANS Eliminates Odors • Fragrance Free

AREAS OF USE INCLUDE:

Komes, whicles, schools & dayeare, yms & locker rooms, sports geast hospitals, nursing homes, leundry rooms, veterianny, pharmacies, ambulances, barber shops, laboratories, restaurans, boats, hips, federally inspected meat & poultry processing plants, farms, animal pens and poultry houses, egg processing premise, hatcheries, swine premise sanitation, retrigerand storage units (empty & disconnected), airplanes, trains, trucks, busse & automobiles. Use as a mold & mildewatat on hard non-pronous surfaces such as tile.

VITAL OXIDE provides hospital disinfection, sanitization of food contact surfaces, mold & mildew prevention, broad spectrum cleaner & odor elimination.

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Test fabric for color fastness. Contains a dilute oxidizing agent. Do not mix with vineger or acidic cleaners.

PRE-CLEANING INSTRUCTIONS: Remove gross fifth and heavy soil by cleaning. Spray WTAL OXIDE straight onto soils, scrub and wipe clean with a dry paper towel or cloth. For cleaning floors add one cup WTAL OXIDE per gallon of water in bucket and clean with sponge, mop or pad.

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TO PREVENT MOLD OR MILDEW ON FLOORS, WALLS, CEILINGS & FABRIC: Remove as much surface dirt, mold, or mildew as possible by cleaning. Then spray on VYTAL OXIDE from a distance of 12 inches until visibly wet and let air dry.

TO DISCORDEZ-VITA OXDE under by addition, not by making of other. Elements other according for service, between owner, must notes, and also exclude goods precipy stars, four a region of self strengths and self-and produce produce produce produce of the produce of the produce produce produce produce of the produce pro

TO SAMPLES FOOD CONTACT SUBSECTS. Supply-concess every LIVE, DESIGN and formation and LIVELITIES BIDDER, searchaster of two crosses software but now YMAL DOUBLES Types the vestion for primary, extending contents, and extending software and primary and the house time and primary and the same time and

TO SAMPTIZE CARPTE: For synthetic carpet Elbers such hydro, clefin, or opinopolynes—not intended for use on wood carpet. Ent for color fastness in an incremptious rate. Carpet should be clean on these of excessions and below applying. Mot 1 part VITAL CORDS to 5 parts wister. Any by suppray and a rate of 17 galloos per of 10 ng words loppine; Zibus per say, 49 VITAL CORDS count come into constant with contaminate to word. Allow to done for 5 financies. Do not rises, see an exhapsion want of and dry should example to remove excess mointure. Carpet can air day or fars many be sealed Carpet excells to 4th fastis.



HEAVY DUTY ODOR ELIMINATOR

MOLD & MILDEW REMOVER - Prevents Mold & Mildew On Hard Surfaces & Fabric

/ITAL OXIDE KILLS

MRSA, Pseudomonas aeruginosa, Escherichia coli, Salmonella enterica, Staphylococcus aureus, Lepionella pneumophila, Aspergillus niger. Norviruns (Feller Calchivius as survogate), Human Immunodeficiency virus type: (RIV-1), Enterobacte aerogenes, Listeria monocytogenes, Acinetobacte bumannii, Respiration Symoytal Virus, Rotavirus, Influenza A (H1N1) Swine Flu, Hepatitis B, Hepatitis C

KEEP OUT OF REACH OF CHILDREN

see side panel for additional precautionary statemen

Nold & Mildew On Hard Surfaces & Fabri ACTIVE INGREDIENTS:

| Alley (80% Co., 20% Co., 5% Co., 5% Co.)
| Alley (80% Co., 20% Co., 5% Co., 5% Co.)
| Alley (80% Co., 20% Co., 5% Co.)
| Constitution | Constitution |
| Con

NET CONTENTS: 128 FL. OZ. (3.78 L)

TO DISINFECT FARM PREMISES, POULTRY HOUSES, ANIMAL PERS & VERILLES: Hence at all minist and feed from primises, velocities, and enclares. Hence all time and numer from floors, with an of surfaces of shares, possible, state, and other facilities and enfaces of shares. possible of the facilities and enfaces with water. Sometimes for the state of the facilities and enfaces with water. Sometimes all numer shares are of the state of t

This product may be used to pre-clean or decontaminate critical or semi-critical medical devices price to sterilization of high price dislatedies. The pocket is not be used as a terminal critical medical devices price to sterilization of high introduced directly into the hours body, either size or is contact with the blookhorean or corresply size is areas of the body, or if contact is not introduced directly into the hours body, either size or is contact with the blookhorean or corresply size is areas of the body, or if contact is not self-top or the size of the s

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HBV, and HCV ON SURFACES/OBJECTS SOLED WITH BLOOD ROOM FLUIDS

RSONAL PROTECTION: When handling items soiled with blood or body fluids use disposable latex gloves, gowns, masks, or eye covering

CLEANING PROCEDURES: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

regulations for infectious waste disposal. CONTACT TIME: Allow surfaces to remain wet for 5 minutes. This contact time will not control bacteria.

STORAGE AND DESPOSAL: Store in original closed container in a cod, by place away from heat and open flame. Non-refitable. Do not sense or write this container closes the defection for locations of the control and container. The control and container container.

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FIRST AID

IF IN EYES Hold eye open and rinse slowly with water 15-20 minutes. Remove contact lenses after first 5 minutes and continue rinsing. Call a Poison Control Center or doctor for treatment advice. Have product container or label with you when calling a Poison Control Center or doctor, or when going for treatment.

EPA Reg. No. 82972-1 EPA Est. No. 85804-NC-1: EPA Est. No. 29909-CA-1

NOTICE: Seller expressly warrants that the product conforms to its chemical description. There are no other warranties associated with sale of the product.

Manufactured by:

Vital solutions, LLC

P.O. Box 9932, West Palm Beach, FL 33419 Customer Service: 1-800-303-5405 www.vitaloxide.com



- Chlorine-dioxide based
- USEPA Registered
- Hospital-grade Disinfectant



FPA Registration No. 82972-1

Complete Independent Lab Testing Summary 01-28-2014

complete independent cab less	,	Contact	
Bacteria	Use Method	Time	Study Conclusion
Pseudomonas Aeruginosa ATCC 15442	AOAC Use-Dilution	10 min.	Hospital Grade Disinfection
Acinetobacter baumannii ATCC 19606	AOAC Use-Dilution	10 min.	Hospital Grade Disinfection
Escherichia Coli ATCC 11229	AOAC Food Contact Sanitizati	30 300	99.999 kill (no rinse required)
Staphylococcus aureus ATCC 6538	AOAC Food Contact Sanitizati	on 30 Sec.	99.999 kill (no rinse required)
Pseudomonas Aeruginosa ATCC 15442	DIS/TSS-8 Carpet Sanitzer	10 min.	99.9 Carpet Sanitizer
Enterbacter aerogenes ATCC 13048	DIS/TSS-8 Carpet Sanitzer	10 min.	99.9 Carpet Sanitizer
Staphylococcus aures MRSA ATCC 33592	AOAC Use-Dilution	10 min.	Disinfection
Listeria monocytogenes ATCC 15313	AOAC Use-Dilution	10 min.	Disinfection
Escherichia Coli ATCC 11229	AOAC Use-Dilution	10 min.	Disinfection
Legionella Pneumophila ATCC 33153	AOAC Use-Dilution	10 min.	Disinfection
Salmonella choleraesuis ATCC 10708	AOAC Use-Dilution	10 min.	Disinfection
Staphylococcus aureus ATCC 6538	AOAC Use-Dilution	10 min.	Disinfection
Klebsielia pneumoniae (NDM-1)	AOAC Use-Dilution	10 min.	Disinfection
Fungi			
Aspergillus Niger ATCC 6275	Hard Surface Mildew Rungistati	c 10 min.	>1 week protection
Stachybotrus chartarum	Sporkidal viability	10 min.	no germination of spores
Aspergillus fumigatus	Sporicidal viability	10 min.	no germination of spores
Alternaria alternata	Sporicidal viability	10 min.	no germination of spores
Penicillum sp	Sporicidal viability	10 min.	no germination of spores
Aspergillus Niger ATCC 6275	Hard Surface Mildew Rungistati	c 10 min.	>4 week protection
Virus			
Rotavirus	Virucidal Efficacy	5 min.	complete inactivation
HepatitisCVirus	Virucidal Efficacy	5 min.	complete inactivation
Hepatitis B Virus	Virucidal Efficacy	5 min.	complete inactivation
Norovirus Feline Calicivirus	Virucidal Efficacy	5 min.	complete inactivation
Murine Norovirus (MNV-1)	Virucidal Efficacy	5 min.	complete inactivation
Swine Influenza (H1N1) Virus	Virucidal Efficacy	5 min.	complete inactivation
Respiratory Syncytial Virus	Virucidal Efficacy	5 min.	complete inactivation
Human immunodeficiency Virus (HIV Type 1)	Virucidal Efficacy	5 min.	complete inactivation
Toxicity Data		E.P.A. Tox	icity Rating
Dermal Irritation	Limit test	Category 4	
Dermal Sensitization		Category 4	
Acute Inhalation Toxicity			LC50 is greater than 2.09mg/l
Acute Dermai Toxicity	Limit test	Category 4	LD50 is greater than 5000mg/kg
Accute Oral Toxicity	Limit test	Category 4	LD50 is greater than 5000mg/kg
Ocular Irritation	Limit test	Category 4	



Fixed and Remote Head Operation





Operation Options





- First screen anticipates connection between unit and Ambulance Port
- Shows "Error" if not connected
- Connect to ambulance before turning unit on
- Hit "Mode" to scroll to next screen(s)



Fixed Head Operation





- Fixed Head mode can be operated with one or two heads
- Refer to the Injection Table for recommended injection times.



Injection Table

Treatment Area Volume	InjectionTime(Minutes)			
in cubic feet	1 Fixed or Remote	2 Fixed Heads	2 Fixed + Remote	
500	6	3	2	
1000	12	6	4	
1500	18	9	6	
2000	24	12	8	
2500	30	15	10	
3000		18	12	
3500		21	14	
4000		24	16	
4500		27	18	
5000		30	20	



Fixed Head Operation



Press UP to increase the injection time.



Press DOWN to decrease the injection time.





- Preclean treatment area of all gross contaminants.
- Prep surfaces in the treatment area for decontamination (opening/closing cabinets, clearing off surfaces, etc.)
- Shut off and/or isolate HVAC, exhaust, ventilation, etc.
- Remove food, drinks, or anything used to consume food or drinks.
- Ensure all personnel have vacated treatment area.

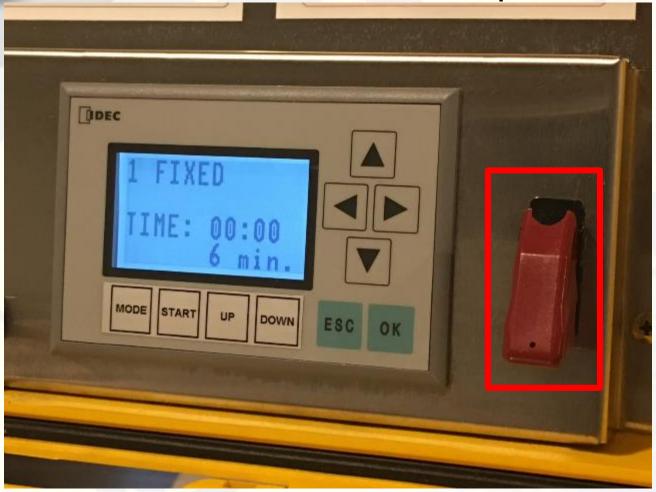




- Place RDS 3110 unit in desired location.
- Plug RDS 3110 unit into 110V power source.
- If needed, attach appropriate accessory (ADP port or APA)
- Select appropriate mode for decontamination on the touchscreen.
- Flip up red arming switch to engage mode.
- Set injection time based on time chart



Fixed Head Operation



Once time has been set, flip the red arming switch





- Ensure all setup steps have been met and secure treatment area.
- Activate decontamination cycle by pressing "START" on the touchscreen or the button on the remote control.
- Indicator lights on the front of the unit will begin to flash and the unit will activate.
- The unit will dispense disinfectant for the length of time that was input during setup.
- If necessary, during injection, the unit can be shut off by pressing "START" on the touchscreen or the button on the remote control.





- Once the Injection phase has completed, the unit will cease dispensing and the treatment area is placed in a Dwell period.
- This Dwell period gives the disinfectant an opportunity to contact every exposed surface in the treatment area.
- Dwell period lasts for a *minimum* of 10 minutes.
- During the Dwell period, the indicator lights on the front of the unit will continue to flash.

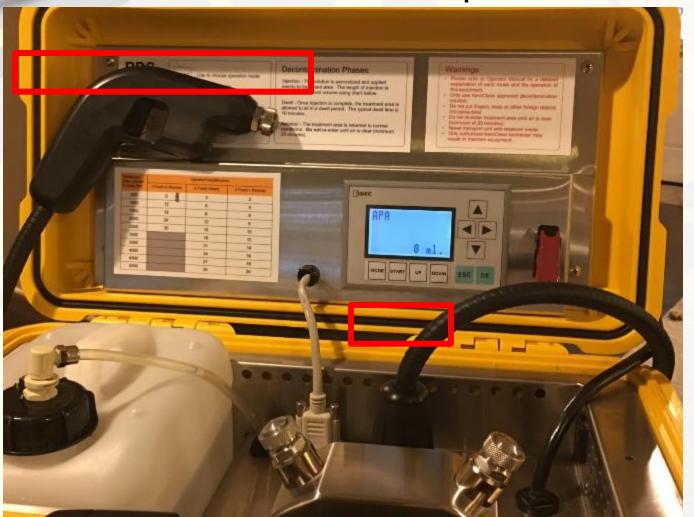




- Once the 10-minute Dwell period has completed, the indicator lights on the front of the unit will cease flashing.
- You can now begin returning the treatment area to normal by:
 - Opening doors or windows
 - Activating HVAC, exhaust, or ventilation
- Allow any remaining fog/haze to clear before reentering treatment area.
- Unplug RDS 3110 unit from power and remove from the treatment area.



APA Operation





Operation Options



- Second mode "Hand Applicator" is for AeroClave Portable Applicator
- Hand-held manual operation



APA Operation

- Slow, spray painting motion
- Keep APA 32-36" from surface
- Ideal spray pattern is the size of a basketball
- Avoid excessive wetting of surface



Do Not Over Spray!!!

If necessary, allow surface to dry for a few seconds before re-spraying!





Remote Operation



- Can operate with Remote only or in conjunction two Fixed Heads
- When Remote is properly connected, screen will show injection time
- Refer to the Injection Table for recommended injection times



Remote Operation





- To use APA as Remote tripod must be affixed
- Standard photographic tripod thread



Product Line

AeroClave Distribution Port (ADP)





