

Whole-Room Decontamination  
For Shelter Environments

**NEOSAN**  
SYSTEMS®



**Built-in, Automated, Touchless Solutions**



# NEOSAN SYSTEMS®

**We engineer and install the world's  
most effective decontamination systems.**

What makes us the best?

**① TOUCHLESS AUTOMATION**

During 15-minute treatment cycles, an accurate concentration of aerosol dry mist decontaminates air and surfaces, reliably achieving 100% coverage.

**② UNPARALLED EFFICACY**

Up to 8-log bioburden reduction eliminates 99.999999% of bacteria, viruses, fungi, mold, and **biological warfare agents (BWA)**. **Chemical warfare agents (CWA)**, toxins, and odors are neutralized and broken into nontoxic, biodegradable components.

**③ COST SAVINGS**

Affordable upfront costs and lower operational expenses recoup initial investment in approximately twelve months.



# Eliminating Toxic Problems In Shelter Environments

## AIR & SURFACE DECONTAMINATION

Minimize risk of healthcare-associated infections (HAI) from bacteria such as C.diff or MRSA. CWA and BWA neutralization.

**COVERAGE** Reliably achieve 100% coverage of air and surfaces with a 10 micron dry mist aerosol, reaching areas that wipes, vapor, and UV light can't.

**EFFICACY** Effectively eliminate up to 99.999999% (8-log) of biological pathogens. Neutralize chemical toxins. Remove odors.

**SPEED** Access treated areas immediately after the 15-minute cycle is complete. No wiping necessary.

**EASE OF USE** Program routine room or zone decontamination in regular intervals or initiate on-demand treatments via mobile app.

**SAFETY** Protect staff and population. Environmentally friendly, and safe for all surfaces and electronic equipment.



Results exceed ADA requirements for **indoor air quality.**

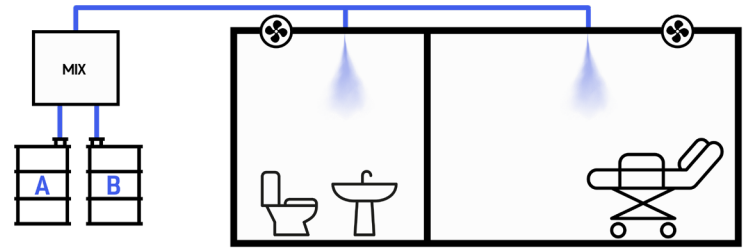


# Total Reset Technology™

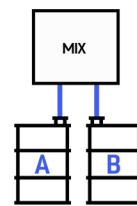
## How does it work?

**Total Reset Technology combines precision dry fogging with the most effective, nontoxic decontaminant ever created.** Superior efficacy and ease of use make it the most comprehensive and cost-effective decontamination solution available.

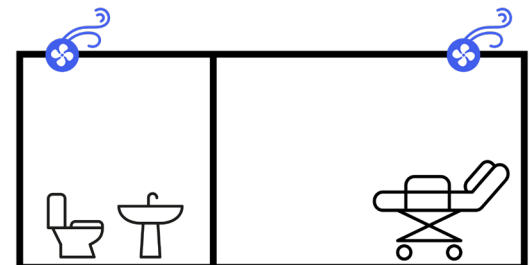
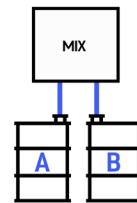
- 1 Control panel and chemical supply are installed in a utility room, piping and dry mist nozzles in the ceiling. **Little to no labor is required after setup.**
- 2 **Treatments can be scheduled or initiated on-demand** for individual rooms or zones using a mobile app.
- 3 **Air and surfaces are disinfected, decontaminated, and ready for use**—a vast improvement in efficiency and efficacy compared to conventional processes.



*Emitters evenly distribute a precise amount of decontaminating dry mist.*



*After 5 minutes of saturation, dry mist is evacuated and replaced with fresh air.*



*Staff can immediately enter to complete preparations. No wiping required.*

## COMPLETE

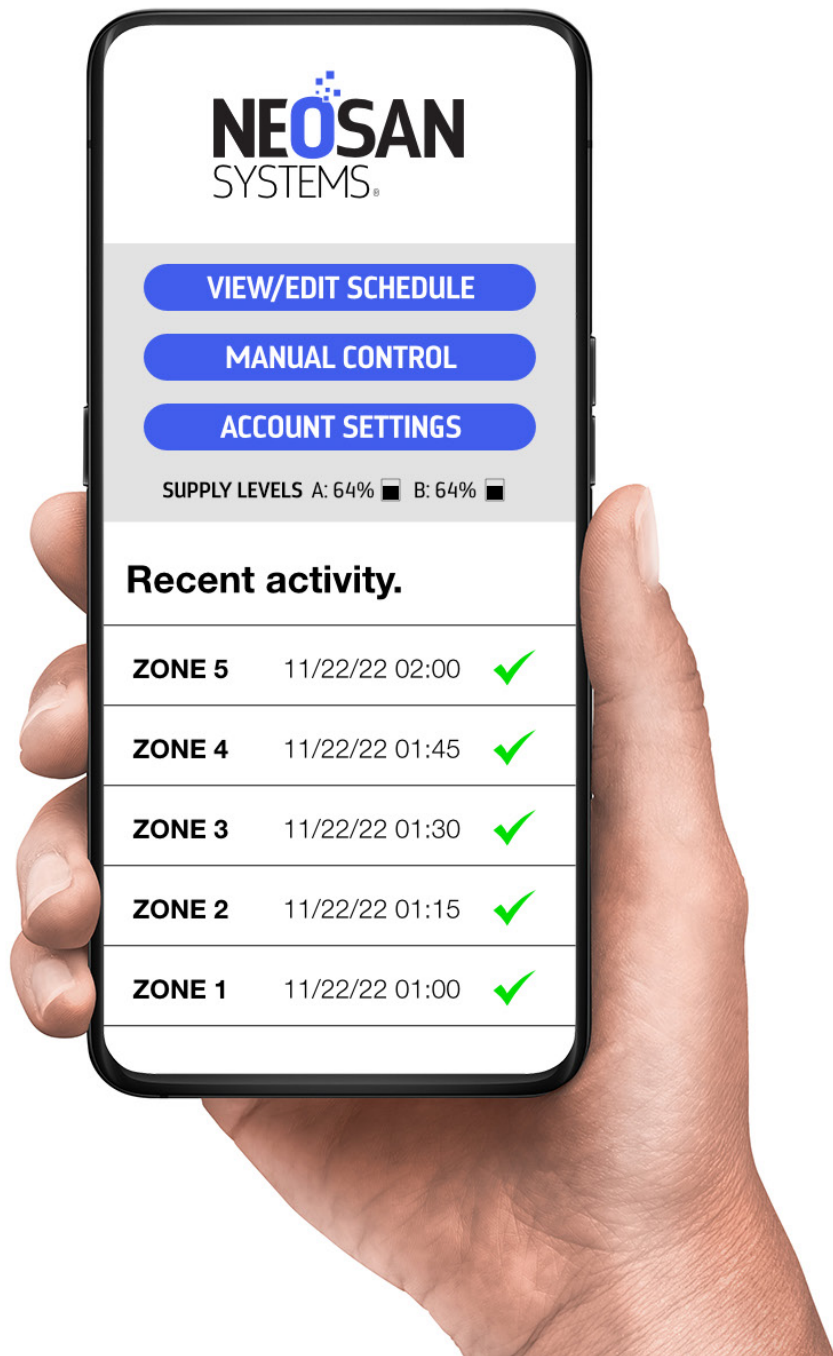
Air & Surface Decontamination



**In Only 15 Minutes!**







## Control Everything With A Mobile App.

Safe, accurate,  
and convenient.

- Easily manage the system via mobile devices
- Preprogram regular decontamination intervals
- Initiate on-demand treatment cycles
- Schedule room or zone treatments
- Track cycles
- Receive supply level alerts and maintenance notifications

# What we're spraying.

Originally developed for military-grade biological and chemical decontamination, Total Reset™ has been commercialized by NeoSan Systems for dry mist automation.

## NeoSan Systems Total Reset™

EPA-registered, full-spectrum antibacterial, algacide, mildewstat, decontaminant, deodorizer, fungicide, virucide, disinfectant, and cleaner.

**Effective Against:** *Staphylococcus aureus*, *Staphylococcus epidermidis*, *Listeria monocytogenes*, *Influenza Type A (H1N1) & B*, *Pseudomonas aeruginosa*, *Klebsiella pneumoniae*, *Enterobacter aerogenes*, *Escherichia coli* (O157:H7), *Clostridium difficile*, *Salmonella enterica*, *Proteus mirabilis*, *Bacillus subtilis*, *Bacillus anthracis*, *Yersinia Pestis*, *Norovirus*, *MRSA*, *ESBL*, *Vancomycin-resistant Enterococcus faecalis*, *Monkeypox*, and *COVID-19*.

# NeoSan Systems Total Reset™



### 8-Log Kill Rate

Kills up to 99.999999% of bacteria, viruses, fungi, and mold



### Neutralizes Chemical Toxins

TICS, formaldehyde, VOC's, and toxic residues left by other cleaners



### Destroys Odors

Eliminate odors without the use of encapsulating agents or fragrances



### Nontoxic & Ecofriendly

Safely breaks down toxins into nontoxic, biodegradable components



### Noncorrosive & Nonflammable

Safe for all industrial surfaces, screens, and sensitive equipment



### Creates A Fungistatic Barrier

Protects surfaces from recolonization for over 21 days

# Understanding The Chemistry

Total Reset™ is based on the synergistic effect between two active ingredients:

**quaternary amines and hydrogen peroxide.** The formula also contains supporting compounds that enhance solubilization and reactivity, accelerate oxidation activity, increase bulk and surface viscosity, extend the shelf life of the formula, and control the chemical reaction and pH. All ingredients in the formulation, including water, are balanced in order to guarantee maximum efficacy under stable and safe conditions.

## MECHANISM OF ACTION



CLICK TO PLAY VIDEO

## Understanding Disinfection

*Kill Rate Per 1,000,000 Microorganisms*

**1-LOG KILL (90%)** 100,000 Microorganisms Remain

**2-LOG KILL (99%)** 10,000 Microorganisms Remain

**3-LOG KILL (99.9%)** 1,000 Microorganisms Remain

**4-LOG KILL (99.99%)** 100 Microorganisms Remain

**5-LOG KILL (99.999%)** 10 Microorganisms Remain

**6-LOG KILL (99.9999%)** 1 Microorganism Remains

**7-LOG KILL (99.99999%)** .01 Microorganism Remains

**8-LOG KILL (99.999999%)** .001 Microorganisms Remain

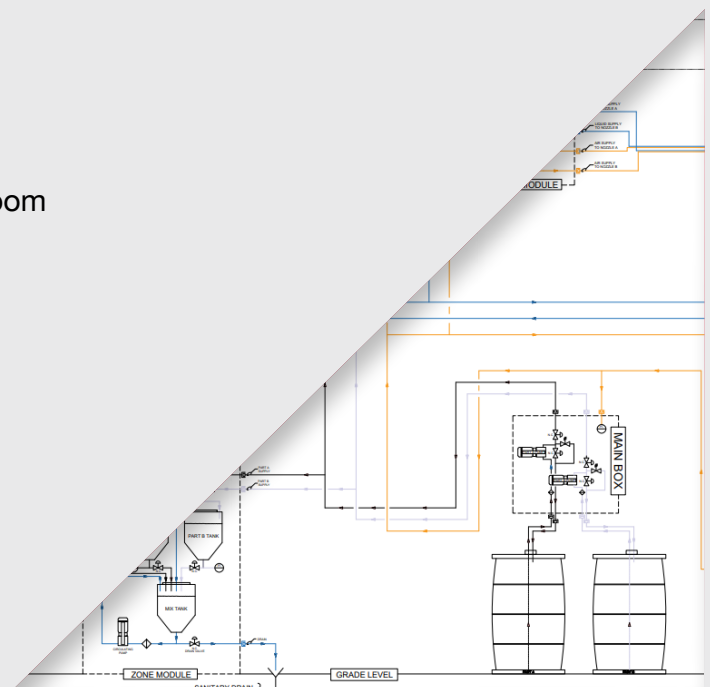
*That's best-in-class disinfection.*





## TRT 9000

- Control panel & chemical supply installed in utility room
- Piping and dry mist nozzles installed in the ceiling
- Customizable scheduling per individual room
- Control via desktop or mobile app
- Single & multifloor installations
- Retrofit or new construction
- Consistent, 100% coverage
- 10 micron dry mist
- Amperage: 50–100 Amp
- Voltage: 240v or 480v





# How do we compare?

Touchless, automated decontamination systems remove or reduce reliance on operators and associated risks of human error relative to selection, formulation, distribution, and adhering to appropriate contact times. The most used systems use hydrogen peroxide vapor, aerosolized hydrogen peroxide, or ultraviolet (UV-C) radiation. These systems have important differences in their active agent, delivery mechanism, efficacy, process time and ease of use.

	<b>Total Reset Technology™</b>	<b>Fogging Robots</b>	<b>UV Light</b>
<b>Fast Treatments (Less than 30 minutes)</b>	✓	✗	✗
<b>Up To 8-Log Microbial Efficacy</b>	✓	VARIES	✗
<b>Fully Automated Operation</b>	✓	✗	✗
<b>Immediate Entry After Treatment</b>	✓	VARIES	✓
<b>100% Coverage</b>	✓	✗	✗
<b>EPA Registered</b>	✓	VARIES	✗
<b>No Wiping Or Rinsing Needed</b>	✓	✗	✓
<b>Safe For All Surfaces, Equipment &amp; Devices</b>	✓	VARIES	✓
<b>Neutralizes Chemical Toxins And Allergens</b>	✓	✗	✗
<b>Removes Odors</b>	✓	✗	✗
<b>No Negative Effect On Indoor Air Quality</b>	✓	✗	✓
<b>Not Affected By Uneven Flooring</b>	✓	✗	✗



Automated Decontamination  
For Indoor Environments

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