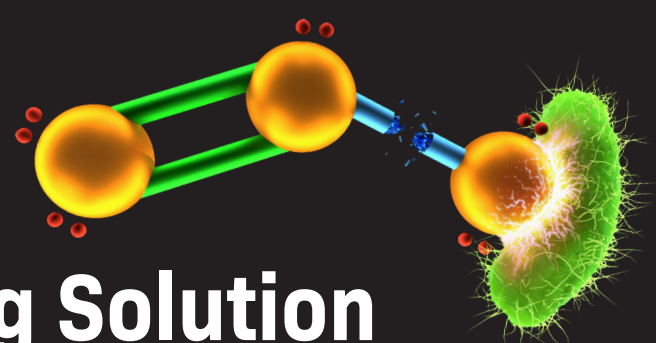


# Sanitation <sup>Powered By</sup> ZERO<sub>3</sub> Antimicrobial Tanks



## Make Unlimited Amounts Of Oxidizing Solution



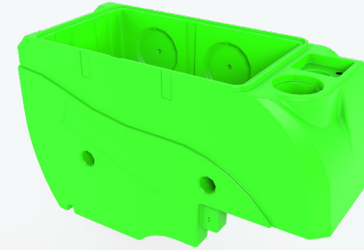
# Green Antimicrobial Tanks

While Supplies Last

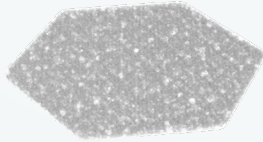
# Sanitation Package Includes

## Features\*

- Antimicrobial Tank
  - Remote Tank and Spray Wand
  - Non Marking Grey Tires
  - Onboard ZERO<sub>3</sub><sup>®</sup>
  - Urethane Squeegee Blades
  - 0.2 Micron Vac Filter
- \* Each option available individually



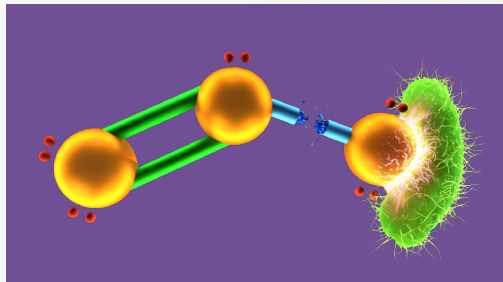
Antimicrobial Tank  
*(Molded with special additives to kill or inhibit growth of bacteria and fungi)*



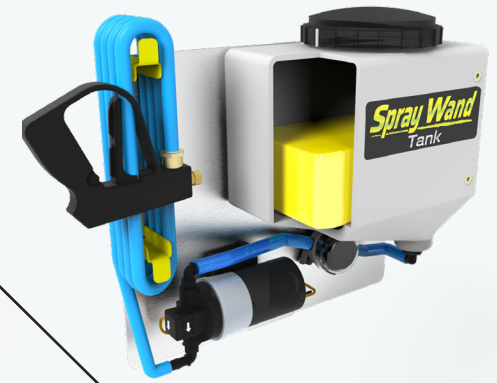
0.2 Micron Vac Filter  
*(Improved airborne contaminant capture)*



Urethane Squeegee Blades  
*(Able to withstand ozone)*

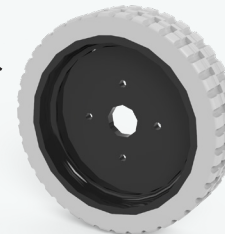


Onboard ZERO<sub>3</sub><sup>®</sup>  
*(Supplies aqueous ozone at 1.5ppm to scrubhead only & allows replacement of many detergents)*



Spray Wand Tank for approved cleaner

*(Dedicated tank with 15' hose & Spray Wand for approved cleaners at full concentration. Not blended or connected to scrubber solution tank)*



Non Marking Grey Tires  
*(Non marking for sensitive floors)*



# Machine Equipped With Sanitation Package

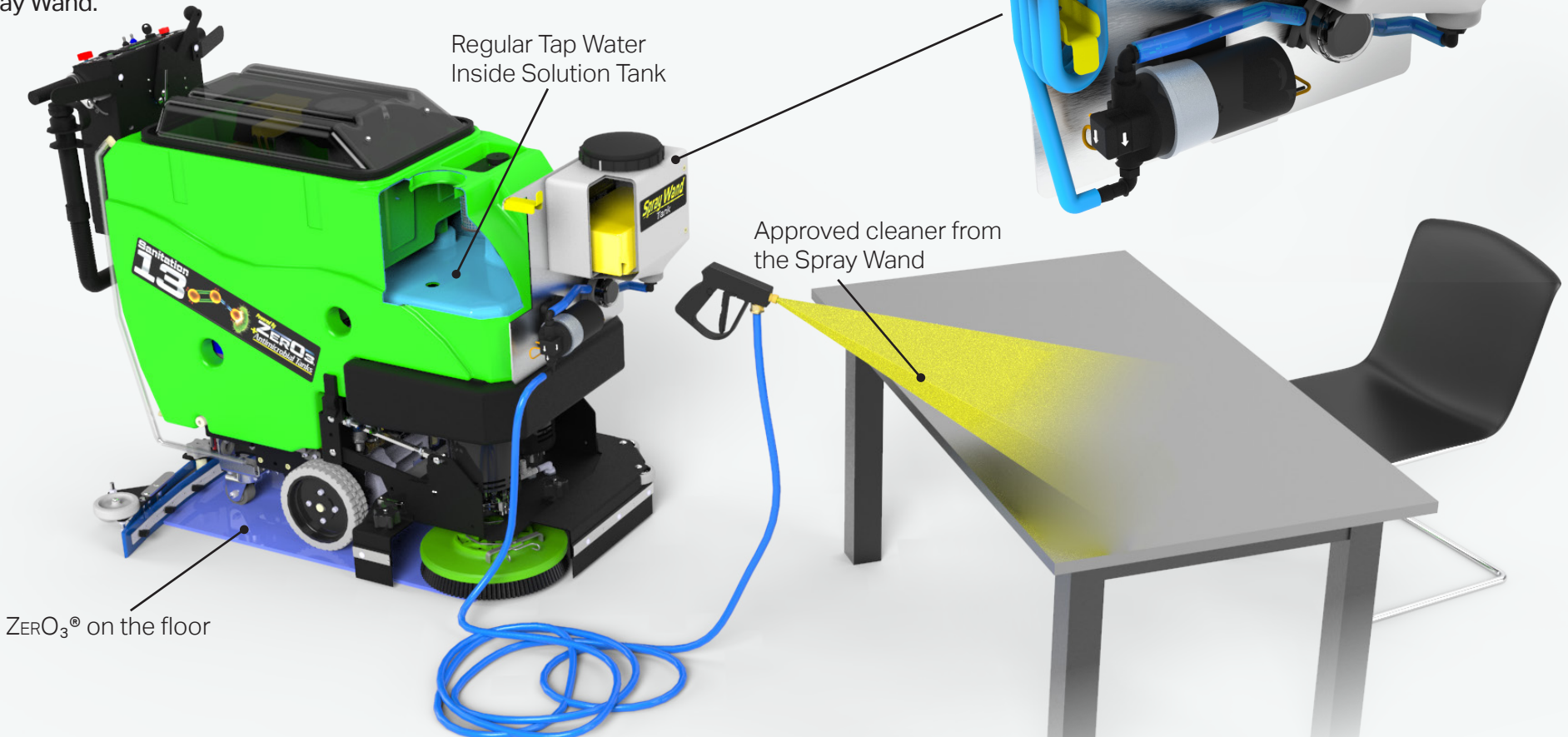
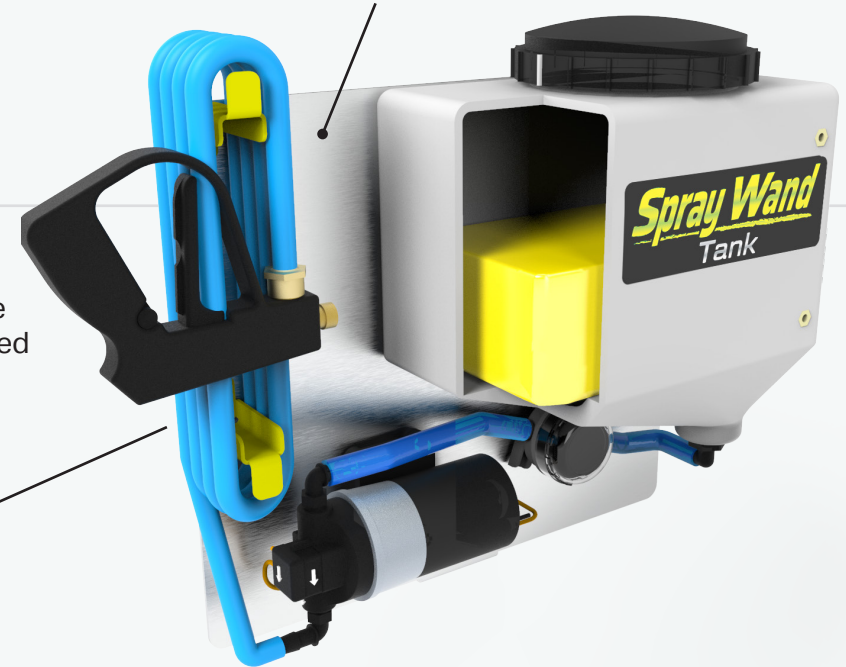
## Machine Includes These Options:

- Antimicrobial Tank
  - Remote Tank and Spray Wand
  - Non Marking Grey Tires
  - Onboard ZER<sub>3</sub><sup>®</sup>
  - Urethane Squeegee Blades
  - 0.2 Micron Vac Filter
- Each option available individually

## Cleaning With Both ZER<sub>3</sub><sup>®</sup> And Approved Cleaner

Ordinary tap water in the solution tank is transformed into aqueous ozone, which like chlorine is a powerful oxidizer. The Spray Wand Tank installed on the front is dedicated to approved cleaners, which can be applied to surfaces with the 100-psi Handheld Spray Wand.

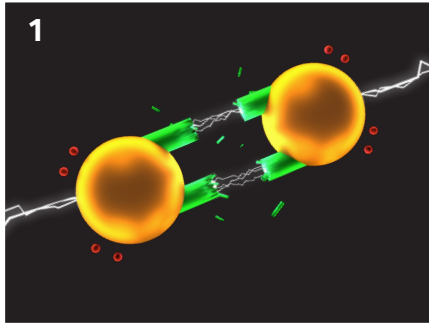
The Spray Wand Tank is easily removed for storage if preferred at a later date.



Regular Tap Water  
Inside Solution Tank

Approved cleaner from  
the Spray Wand

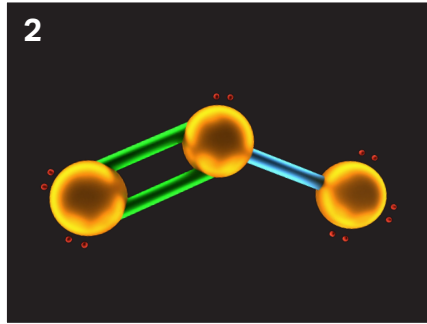
ZER<sub>3</sub><sup>®</sup> on the floor



1

### 1. Splitting O<sub>2</sub>

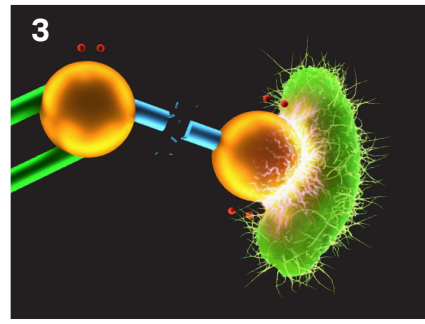
The ZERO3® AO Generators split Oxygen (O<sub>2</sub>) molecules into single radical Oxygen (O<sub>1</sub>) atoms via the corona discharge.



2

### 2. O<sub>2</sub> Becomes O<sub>3</sub>

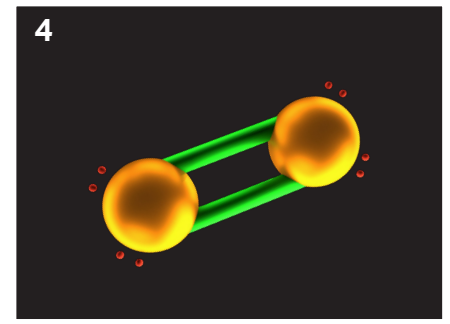
The single radical Oxygen (O<sub>1</sub>) atoms bond to remaining Oxygen (O<sub>2</sub>) molecules, creating Ozone (O<sub>3</sub>).



3

### 3. O<sub>3</sub> Attacks

The radically bonded Oxygen (O<sub>1</sub>) atom will attach to the contaminant and destroy the cell wall, oxidizing the contaminant.



4

### 4. O<sub>3</sub> Becomes O<sub>2</sub>

Now, only simple Oxygen (O<sub>2</sub>) molecules are left, suitable for safe disposal.

## How Does Onboard Aqueous Ozone Help Me?

A floor scrubber equipped with on-demand ZERO3® Aqueous Ozone means powerful cleaning from plain tap water. Studies conducted in partnership with local Fitness Centers showed a **greater than 50% increase in surface cleaning performance using ZERO3®**, (Fig. 1) proven by ATP Swab Readings tested before and after on surfaces.

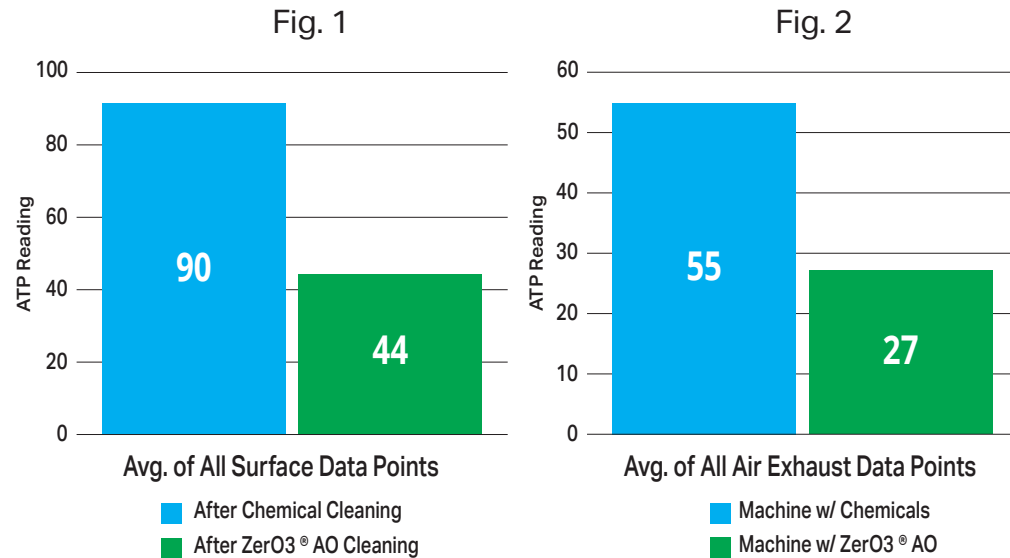
## Why Do I Need To Monitor ATP?

You can't improve what you can't measure. Utilizing ATP meters to ensure cleanliness levels is a multi-industry standard.

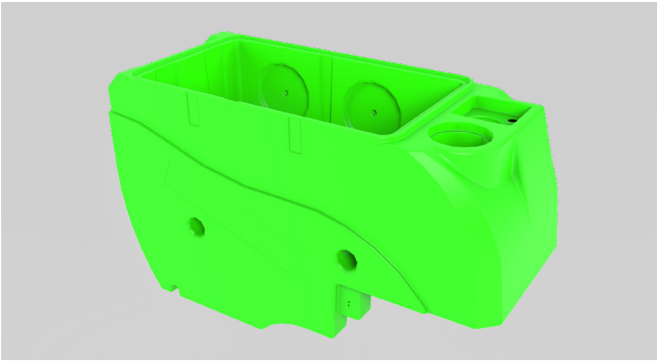
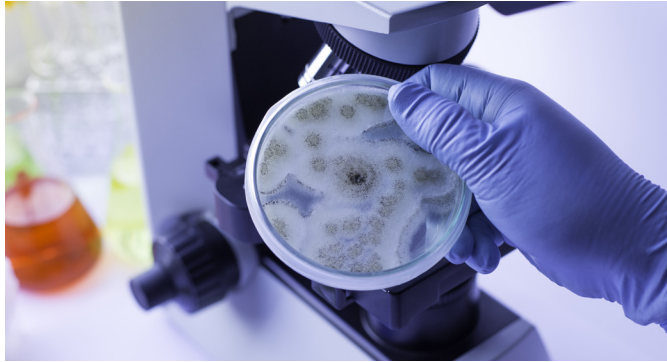


## How Does Onboard Aqueous Ozone Help The Air?

What lives on the floor and in your equipment's recovery tank could be exhausted out into the air you are breathing. Studies conducted with local Veterans Hospitals showed a **greater than 50% increase in exhaust air cleanliness using ZERO3®**, (Fig. 2) proven by ATP Swab Readings tested during a multi-week observation and multiple data point testing.



# Green Antimicrobial Tank



## What Are Antimicrobial Tanks?

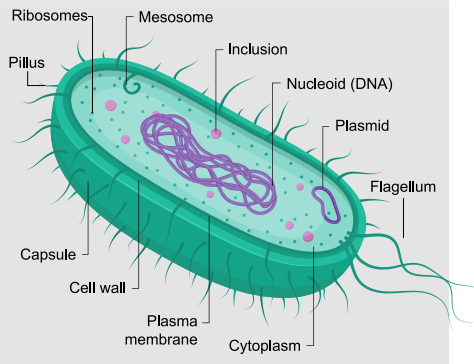
Antimicrobial infused plastics have agents that kill or inhibit the growth of bacteria and fungi on tank surfaces. This built in technology helps protect the tank from a wide variety of microorganisms 24/7.

## How It Works

Cells have a thin membrane of fats and proteins that hold them together, when the cell wall is compromised it annihilates the cell. The active compound of the antimicrobial tanks exhibits a complex interplay of different action mechanisms. These do the following to bacteria & Fungi:

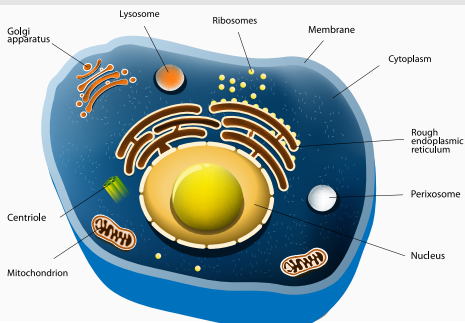
### Bacteria (prokaryotic cell)

- Plasma membrane function disruption by interfering with phospholipids
- Metal ion chelation
- Interference with trans-membrane transport



### Fungi, yeasts, algae (eukaryotic cell)

- Plasma membrane function disruption
- Interference with iron metabolism
- Inactivation of mitochondrial Fe-S loading proteins



## Antibacterial



## Antifungal



+

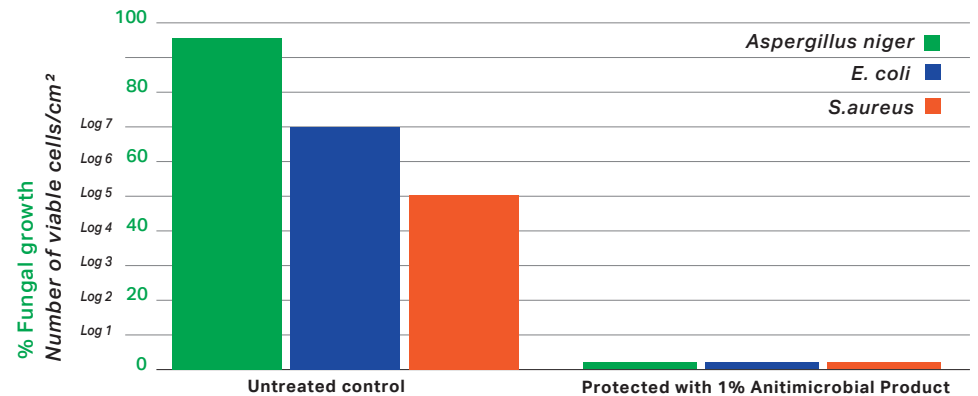
=

## Antimicrobial



## Biological Efficacy

Extensive testing has been done using internationally accepted methods (including ISO, ASTM and JIS). They have been proven to reduce the overall level of both Gram-positive and Gram-negative bacteria on surfaces by up to 99.999%, as well as fungal control rates of up to 100% have been achieved. (See graph below)



Antibacterial efficacy according to ISO 22196

Antifungal efficacy according to ASTM E2180

Data available upon request

# Equip The Machine To Fit Your Needs

## Available Individually

- Antimicrobial Tank
- Remote Tank and Spray Wand
- Non Marking Grey Tires
- Onboard ZER<sub>3</sub><sup>®</sup>
- Urethane Squeegee Blades
- 0.2 Micron Vac Filter

## Spray Wand Facts:

Onboard ZER<sub>3</sub><sup>®</sup> feeds the deck only. The Handheld Spray Wand is fed directly from the solution tank. No ZER<sub>3</sub><sup>®</sup> expels from the Spray Wand.

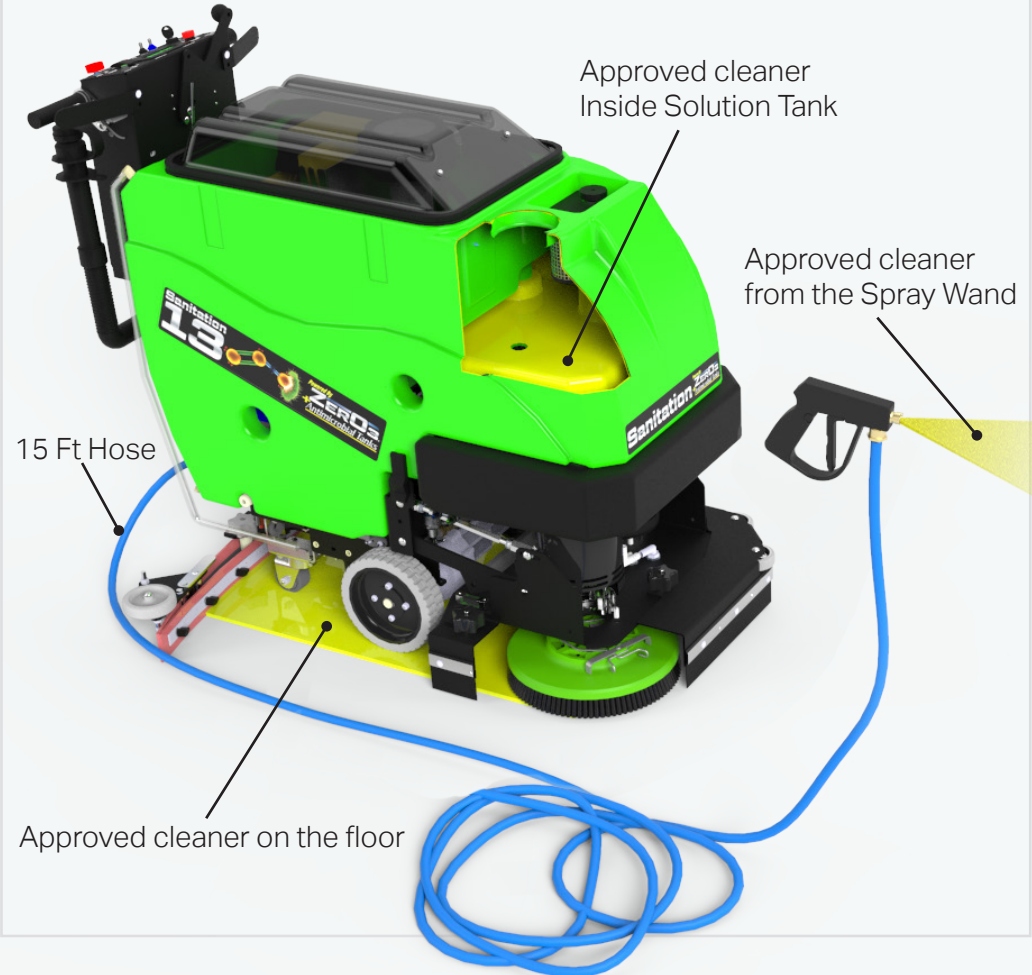
## Scrubbing Floor With ZER<sub>3</sub><sup>®</sup>

Ordinary tap water in the solution tank is transformed into aqueous ozone, which like chlorine is a powerful oxidizer.



## Applying Approved Cleaner From Scrubber's Tank

The Same machine can be filled with an approved approved cleaner, and used to scrub the floor or dispense through the handheld spray wand.



# Specs



Optional Spray Wand Tank for applying approved cleaner.



**13** 24" Orbital shown



**21** 28" Disk shown



**30** 29" Cylindrical shown

## Disk Scrub Path:

17", 20" & 26" in  
43.2, 51 & 66 cm

26" & 28" in  
66 & 71.1 cm

30" & 34" in  
76.2 & 86.4 cm

## Cylindrical Path:

25" in  
63.5 cm

25" & 29" in  
63.5 & 73.7 cm

29" & 33" in  
73.7 & 83.8 cm

## Orbital Path:

20" & 24" in  
51 & 61 cm

24" & 28" in  
61 & 71.1 cm

28" & 32" in  
71.1 & 81.3 cm

## Dimensions (L×W×H):

\*Dimensions listed are for the largest width deck configuration and squeegees removed from the machine.

45" × 21" × 39" in\*  
114.3 x 53.3 x 99.1 cm\*

52" × 22" × 40" in\*  
132.1 x 55.9 x 101.6 cm\*

55" × 26" × 40" in\*  
132.1 x 66 x 101.6 cm\*

## Solution Tank:

13 Gal  
49.2 L

21 Gal  
79.4 L

30 Gal  
124.9 L

## Recovery Tank:

15 Gal  
56.8 L

23 Gal  
87 L

32 Gal  
117.3 L

## Run Time:

\*Based on continuous scrubbing run times, standard batteries, low down pressure and all options off.

Up to 2.5 Hours\*

Up to 3.5 Hours\*

Up to 5 Hours\*

## Theoretical Coverage:

\*Coverage is based off of ISSA 2010 Cleaning Times

27,027sqft/hour\*  
2,510.9 sqm/hour\*

27,027sqft/hour\*  
2,510.9 sqm/hour\*

31, 915 sqft/hour\*  
2,965 sqm/hour\*

Manufactured By:  
RPS Corporation  
1711 South Street  
Racine, Wisconsin, 53404 (USA)