



**NOBLES**  
ENGINEERED BY TENNANT COMPANY



## ELECTRICALLY CONVERTED WATER

Improve productivity, health, and safety with innovative floor cleaning technology



ec-H2O NanoClean® technology electrically converts water into an innovative cleaning solution that cleans effectively, saves money, and reduces environmental impact compared to daily floor cleaning chemicals. This converted water is created by an on-board e-cell that generates millions of very tiny microscopic bubbles known as nanobubbles that promote the cleaning efficacy of the solution. This next generation solution offers the same great benefits of the first generation and now cleans better by cleaning more soils in more applications.\*



### REDUCE THE COST TO CLEAN

Take advantage of significant savings in chemical costs, labor savings through increased productivity, and more.



### FACILITY IMAGE

Scrubbing with ec-H2O NanoClean effectively removes typical daily soils as well as more stubborn soils like food greases, road salt, and more without leaving chemical residue.\*



### HEALTH AND SAFETY

ec-H2O NanoClean is certified by the NFSI to improve floor traction and reduce the risk of slip and fall accidents. Additionally, NSF registration ensures the technology is safe to use in food and beverage handling environments.



### SUSTAINABILITY

Utilizing ec-H2O NanoClean reduces the impact of cleaning operations on the environment in seven key categories according to a third-party study by EcoForm™.

**ec-H2O NanoClean®  
IS AVAILABLE ON  
THESE SCRUBBER  
MODELS:**



SPEED SCRUB 300



SPEED SCRUB 350



SPEED SCRUB 24-32



SPEED SCRUB RIDER



## THE RESPONSIBLE WAY TO CLEAN



### ACCEPTED TECHNOLOGY

- Since 2008, ec-H2O™ technology has become the standard in detergent free floor cleaning.
- Tennant Company has shipped over 65,000 machines, to over 7,500 customers at 29,000 locations around the world.<sup>1</sup>
- ec-H2O NanoClean® will continue the trend of Tennant Company innovation by offering even better performance with the same cost saving benefits as the original technology.

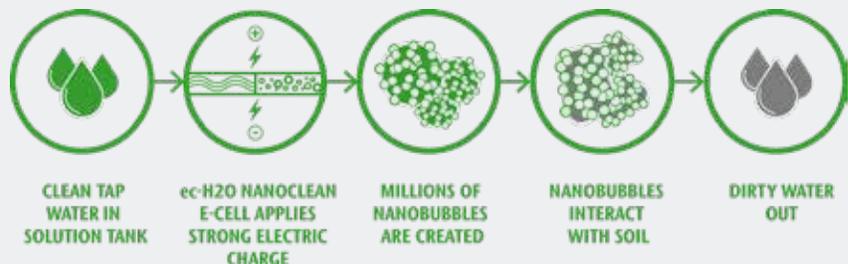


### SOUND SCIENCE

- Traditional floor scrubbers clean through three mechanisms on the floor.
  - ✓ Hydration by the water
  - ✓ Mechanical Scrubbing action by the brushes or pads
  - ✓ Cleaning effects of any detergent added to the solution.
- Scrubbers equipped with the ec-H2O NanoClean technology still leverage the power of hydration and mechanical action, but instead of an added detergent, rely on electrically converted water to promote the cleaning power of the solution.
- This converted water is created by an on board e-cell and contains millions of very tiny microscopic bubbles known as nanobubbles.
- Working with university scientists around the world, Tennant Company has established that it is these nanobubbles that provide the cleaning power in ec-H2O NanoClean.

### IMAGINE CLEANING WITH JUST WATER!

Here's how ec-H2O NanoClean® technology works



<sup>1</sup>As of March 2015



## REAL RESULTS

- ec-H2O NanoClean® has been shown to clean a wide variety of soils including typical daily soils as well as more stubborn soils like food greases, road salt, and more.\*
- In addition to the outstanding performance, ec-H2O NanoClean can create real savings by:
  - ✓ Reducing the need to purchase floor cleaning chemical.
  - ✓ Increase productivity by allowing operators to clean up to three times longer before a trip to the to dump and refill the machine which can be a significant source of downtime.
  - ✓ Reduce other costs such as water supply and waste as well as costs associated with the purchasing and storing of conventional detergents.



“Before ec-H2O NanoClean® we used a chemical that would neutralize the salt. Sometimes we had to go over it twice but with ec-H2O NanoClean we’ve found that **once was enough.**”

— Jim Dayhuff, Sodexo,  
Penn-Harris-Madison Schools

“When we first got the ec-H2O NanoClean®, I really wanted to put it to the test. **This technology is amazing.** We cleaned the floor and we about flipped when we saw a clean trail down the center aisle. The ec-H2O Nanoclean system definitely raised the bar!”

— Andrew Weed, Aramark, Nequa Valley  
High School



“When first starting out with ec-H2O NanoClean® it was an interesting a fresh program to go with, it was something different, we wanted to know more. Using regular chemicals on a daily basis would leave residue, you almost had to cleanup from cleaning. When we switched to ec-H2O Nanoclean machines we are able to clean and degrease **without leaving that residue.**”

— Alex Bemiller, Sodexo,  
Penn-Harris-Madison Schools

“Our chemical costs from using ec-H2O NanoClean® have **dropped drastically.** Its really taking those things that would have been done with mop and bucket, automate the process and by doing that being able to reduce the time that it takes us in the cleaning process by more than triple.”

— Craig Arnold, Aramark



\* ec-H2O NanoClean® technology is not suitable for all soils, including heavy concentrations of fats and oils. Depending on the type of soil, conventional chemical cleaners may be required.

Engineered by Tennant Company, the ec-H2O NanoClean® technology is a smart, reliable choice for your no-nonsense cleaning needs.

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