

# Tennant Industrial Solution Technologies

Learn more about unique Tennant technologies that help you reduce chemical and water use while saving time and increasing the efficiency of your scrubber or sweeper-scrubber.



## Detergent Metering System

Reduce cleaning chemical overuse with Tennant's on-board detergent metering system. This technology adjusts the amount of cleaning chemical dispensed based on the amount of water supplied. The concentration is adjustable and remains constant, providing consistent cleaning results. Customize the detergent dispense rate through configuration mode to provide a constant dispensing rate at the amount that best serves the floor application. Dispense rates range from low = 1% to high = 3%. Once the detergent metering system is activated, it will remain on until it is switched off. In addition, the water flow rate and downforce pressure will remain unchanged when detergent metering is activated. Detergent metering systems help to prevent over- or under-chemical dosing, even when the operator increases or reduces the amount of water supplied, allowing for reduced chemical refill stops and a more consistent cleaning.



## Extended Scrubbing ES<sup>®</sup> Technology

Get extended scrubbing time when you add ES<sup>®</sup> Extended Scrubbing technology to your Tennant scrubber or sweeper-scrubber. Use Tennant ES<sup>®</sup> with any detergent, getting maximum effectiveness from medium cleaners to heavy degreasers. Because Tennant ES<sup>®</sup> Extended Scrubbing recycles cleaning machine solutions, you will decrease water consumption and detergent resulting in a safer, more cost-effective clean. Increase continuous operating time by recycling cleaning chemicals and water using ES<sup>®</sup> Extended Scrubbing technology.



## ec-H2O<sup>™</sup> Technology

ec-H2O<sup>™</sup> technology electrically converts water into an innovative cleaning solution that cleans effectively, saves money, improves safety, and reduces environmental impact compared to traditional cleaning chemicals and methods. Use ec-H2O<sup>™</sup> technology to reduce the costs associated with conventional floor cleaning detergents, such as purchasing and inventory management. Plus, experience productivity gains when operators require less training and don't waste time mixing chemicals. Additionally, machines equipped with ec-H2O<sup>™</sup> technology use less water so they can scrub up to three times longer between non-productive dump and fill cycles.





## Severe Environment™ (SE) Switch

Use fewer chemicals with ec-H2O™ equipped machines with the Severe Environment™ switch, which allows operators to benefit from detergent-free cleaning and access on-board conventional chemicals as needed. The Severe Environment™ switch is a detergent-metering device available with ec-H2O™ machines that switches to conventional scrubbing to clean soils ec-H2O™ was not intended to clean. Machine settings change to high water flow and maximizes down pressure automatically and cleaning chemicals are sent directly to the scrub head. Two settings are available: 30 seconds for spot cleaning and a continuous flow setting.











## ec-H2O NanoClean® Technology

ec-H2O NanoClean®\* technology electrically converts water into an innovative, detergent-free 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 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.\*\*

***All machines have capability for conventional cleaning, the manual administration of detergent to the machine. However, Tennant offers detergent or detergent-less cleaning technologies to enhance your Tennant scrubber's cleaning performance and further boost productivity.***

# Available Solution Technologies

on Tennant Industrial Scrubbers and Sweeper-Scrubbers

	CONVENTIONAL	CONVENTIONAL WITH DETERGENT METERING	ES® TECHNOLOGY	ec-H2O™ TECHNOLOGY	ec-H2O™ WITH SETM SWITCH	ec-H2O NanoClean®
 T12	✓			✓		
 T16	✓	✓	✓	✓	✓	
 T16AMR	✓					✓
 T17	✓	✓	✓	✓	✓	
 T20	✓	✓	✓	✓		
 M17	✓	✓	✓	✓	✓	
 M20	✓	✓	✓	✓		
 M30	✓	✓	✓	✓		

\* ec-H2O NanoClean® is a Registered Trademark in the United States.  
 \*\* ec-H2O NanoClean® cleans more soils in more applications than the original ec-H2O™.  
 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.

## Tennant – Reinvent how the world cleans

With a vision to become a global leader in sustainable cleaning innovation that empowers our customers to create a cleaner, safer and healthier world, Tennant creates solutions that are changing the way the world cleans.



### We are where you are

Tennant has the industry's largest direct sales and service organization and a well-supported network of authorized distributors worldwide.



### Solutions for your unique needs

Whatever your cleaning needs, Tennant offers a variety of high quality equipment to help you increase your cleaning productivity.



### Buying, leasing, renting

We offer flexible options to get you the machines you need, however you need them.



### TennantTrue®

Optimize equipment performance and protect your investment with TennantTrue® parts and service.

For a demonstration or additional information, call **+1.800.553.8033** or email **info@tennantco.com**

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