

Tennant Model T1 – Product Applications and Solutions Guide



PRODUCT HIGHLIGHTS

1. Increases cleanliness through its best-in-class scrubbing performance:
 - Cylindrical, self-propelling brush system
 - Optimal single brush head design (brush pile, material and rpm) combined with 33 lb / 15 kg of focused down pressure
 - Optional brush types to match a variety of demanding applications
 - 100% water recovery increases cleaning performance & productivity by:
 - Completely removing the dirty water
 - Elimination of inefficient secondary operations
2. Provides unmatched floor safety through:
 - 100% water recovery, in even the most severe forward & reverse maneuvers, reduces risk of slip / fall injuries.
 - Dry, clean floors reduce bacteria growth in hygiene-sensitive environments
 - "No-Hassle" Squeegee System set at the optimum blade design
3. Reduces odors and mold for safer workplace with Hygenic® fully cleanable tanks.
4. Reduces operator fatigue for safer, more productive scrubbing.
5. Increases ease of use with Tennant's exclusive Insta-Adjust™ multi-position handle combined with intuitive, easy operator controls in a compact, maneuverable design
 - Safely and easily clean into tight spaces, under tables and congested areas.
 - Unique four-caster design allows infinite movement in even the most finite spaces.
 - Folding handle for convenient storage and / or transport from one site to another.
 - Additional transport wheels are provided for easy movement in-and-out of buildings, over curbs and even up stairs.
6. Increases ease of use with application & user friendly tank designs that allows for easy empty & fill in even the most inconvenient locations.



TARGET MARKETS / APPLICATIONS

- Retail – food prep areas, bathrooms, entry ways
- Healthcare – patient & surgical rooms, bathrooms
- Restaurants / Kitchens / Cafeterias
- Gyms / Health Clubs – locker rooms, pool decks, bathrooms
- Education – classrooms, cafeterias, kitchens, bathrooms
- Hospitality – lobby areas, bathrooms, kitchens, pool decks



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GENERAL MACHINE SPECIFICATIONS

Cleaning Path (cylindrical)	15 in	380mm
Tanks		
Solution tank	3.0 gal	11.4 L
Recovery tank (includes demisting chamber)	4.5 gal	17.0 L
Length		
Handle in working position	45.4 in	1154 mm
Handle in folded position	27.3 in	690 mm
Width		
Base	19.7 in	501 mm
Squeegee	17.5 in	445 mm
Height		
Base (folded handle)	23.8 in	604 mm
With handle up	34.0 in	863 mm
Net weight	97 lb	44 kg
Working weight	121 lb	55 kg
Sound level* (operator's ear)	72 dBA	

* Sound levels per ISO 11201 Test Standard as recommended by the American Association of Cleaning Equipment Manufacturers (AACEM) and OSHA.

SCRUBBING SYSTEM

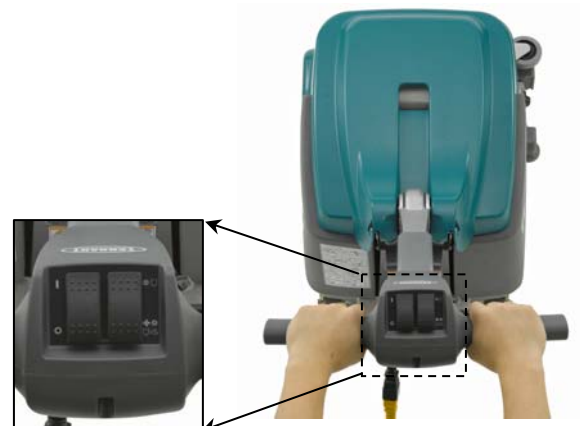
SCRUBBING BRUSH (CYLINDRICAL)

- **Deliver consistent cleaning results and increase productivity** with a cylindrical, self-propelling brush system using optimal head design (brush pile, material, down pressure and rpm)
- **Increase cleaning efficiency in all areas of their facility** using a cylindrical scrub head that allows customers to match their demanding cleaning needs. (grout cleaning, tile, VCT, terrazzo, sealed hard floors)
- **Increase reliability and increase up time** with a heavy-duty 0.4 hp / 0.3 kW drive motor
- **Increase productivity, comfort and reduce operator fatigue** with brush assist.
- **Reduce maintenance and replacement costs and increase reliability** with the industry's only cast aluminum scrub head that resists rust, corrosion and impact damage.
- **Increase uptime** with a simple, easy, no-tool brush change that can be done in seconds.
- **Increase cleaning flexibility** with the available polypropylene, nylon, and abrasive bristle brushes.



EASY SCRUBBING OPERATION

- **Decrease operator training time through simplified machine operation.** All scrubbing operations begin with the touch of a button and a grip of the handle - brush rotates, water flows and vacuum fan starts,
- **Maximize cleaning flexibility** with a machine scrubbing function that can also be independently controlled for double scrubbing.
- **Decrease downtime & increase “real time” maneuverability** with Tennant's exclusive Insta-Adjust™ handle system.



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SOLUTION TANK



- **Deliver 30 minutes of uninterrupted productivity** due to a 3.0 gal / 11.4 L usable capacity
- **Increase environmental hygiene** with Hygenic® tanks that allow for full cleaning and sanitizing of the machine tanks. (especially important for healthcare, food processing (kitchens), retail and education)
- **Simplify operator handling and increase productivity** with a smart tank design that provides easy to use handles, natural grip points, a pour spout and a height to fill in even low height faucet locations.
- **Reduce maintenance and operating costs** with a high-density polyethylene Duramer™ tank that will not rust or corrode and is greatly resistant to impact damage.
- **Optimize productivity through naturally intuitive operation** with a transparent view in tank cover that shows recovery water and informs operator when the solution tank is empty.

RECOVERY SYSTEM

FRONT AND REAR SQUEEGEE

- **Increase cleaning performance and productivity** with a “No-Hassle” Squeegee System that recovers 100% of the water without needing adjustment or tools for blade replacement.
- **Increase safety and reduce the risk of slip / fall injuries** with complete water recovery in even the most severe forward & reverse maneuvers.
- **Reduce bacteria growth in hygiene-sensitive applications** - delivers dry, clean floors in environments such as swimming pools, kitchens, patient rooms, food/drug processing facilities and grocery retail.
- **Increase productivity through complete recovery** by eliminating inefficient secondary operations.
- **Reduce downtime and operator training** with a no-tool squeegee change that can be done in seconds.



VACUUM FAN AND FAN PROTECTION

- **Deliver superior solution recovery maintain the driest floors** with a 1.2 hp / 0.88 kW, 2-stage electric vacuum fan that provides 86 in / 2,184 mm of water lift.
- **Reduce maintenance and/or replacement costs** with a 1.5 gal / 5.6 L demisting chamber that provides space for foam to dissipate and protects the fan from moisture.
- **Reduce maintenance and/or replacement costs** by using a reliable ball float system with a deflector that shuts off the vacuum fan when the recovery tank is full, preventing moisture intake and premature failures.
- **Extend component life and lower the total cost of ownership** with a removable and cleanable in-line mesh filter screen providing extra fan protection from debris and particles.
- **Increase facility safety** due to separate vacuum fan activation that allows machine to be used for drying wet areas, like pool decks, entry ways and lobbies.

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RECOVERY TANK

- **Reduce maintenance costs and increase productivity** with large capacity 4.5 gal / 17.0 L tanks that provide extra vacuum fan protection and increased wet pick-up.
- **Minimize operator fatigue** with a smart tank design that has easy to use handles, natural grip points and a pour spout for convenient draining and cleanout.
- **Reduce maintenance and operating costs** with Hygenic[®] tanks that increase environmental hygiene by allowing for full cleaning and sanitizing of the machine tanks (especially important for healthcare, food processing (kitchens), retail and education).
- **Lower repair costs** with high-density polyethylene Duramer[™] tanks that will not rust or corrode and are greatly resistant to impact damage.

MACHINE OPERATION, CONSTRUCTION AND SAFETY

CONSTRUCTION

- **Increase machine life and lower the total cost of ownership** with the industry's only cast aluminum frame & scrub head in this category which *resists corrosion and impacts* unlike the painted steel competitive alternatives.



- **Increase up-time** from the industry's leader in reliability.
- **Increase product life, even during transport or empty/fills** due to thick, Rotomold tank with unique Duramer[™] construction.
- **Increase productivity** with a unique four-caster design which allows for infinite movement in even the most finite spaces.
- **Increased serviceability and maintenance** with a tip-back machine design which allows complete access to the squeegee and head assemblies.
- **Reduce operator training requirements** with Intuitive, easy Operator Controls.
- **Increase safety** with a long 50 ft / 15.2 m "hospital grade", yellow safety cord that is durable and easy to see during operation.
- **Increase cable life and increase operator safety** with integrated cable strain relief on the handle.

ELECTRICAL SYSTEM

- **Reduce downtime, minimize maintenance costs and increase safety** with weatherproof, automotive, triple-sealed electrical connectors that protect sensitive electrical connections.
- **Lower maintenance costs and increase uptime** with a wiring system that ensures that all the electrical wires are numbered for easy tracing and each electrical system uses a different-colored wire for easy troubleshooting.
- **Increase safety, and reliability** with highly accessible electrical circuit breakers that protect the electrical system.