



**CHANGE YOUR WORLD  
WITH THE POWER  
OF WATER**



**5000-Sc**

## Introducing Orbio® Split Stream Technology...

Generate an effective, sustainable cleaning solution on site, right where you need it. Orbio Split Stream technology generates cleaning solution that replaces many daily-use conventional cleaning chemicals.

Solution made by Orbio Split Stream technology provides efficient cleaning in applications on and off the floor. It can reduce the expense, effort, and environmental footprint associated with conventional daily-use cleaning chemicals.



## ...and the Orbio 5000-Sc

The Orbio 5000-Sc generates cleaning solution for use in spray-and-wipe applications, touchless cleaners, carpet extractors, floor scrubbers, and more. This solution provides an effective, environmentally friendly way to replace many daily-use conventional cleaners, such as:

- All purpose cleaners
- Glass cleaners
- Stainless steel cleaners
- Daily cleaners used in floor scrubbers
- Carpet pre-spray cleaners

The Orbio 5000-Sc represents a breakthrough in cleaning – and another innovation from Tennant Company, the market leader in reliability and quality.

# One solution – Extraordinary benefits

Orbio® Split Stream technology is changing the world of cleaning. With Orbio 5000-Sc solution, you can reduce or eliminate the need for many conventional daily-use cleaning chemicals in a variety of applications.



**SIMPLIFY YOUR PROCESS** Replace multiple products with just one solution. The Orbio 5000-Sc generates a cleaning solution that will work with most existing cleaning equipment and methods.



**REDUCE YOUR IMPACT** The Orbio 5000-Sc supports your sustainability initiatives. By decreasing the need for conventional daily-use cleaning chemicals, you can significantly reduce your environmental impact according to an independent study by Ecoform.



**PROMOTE HEALTH AND SAFETY** Solution created by the 5000-Sc is odorless and does not irritate skin or eyes, in independent testing conducted by Eurofils. Using the solution also reduces the potential for slip-and-fall accidents: it is certified high traction by the National Floor Safety Institute (NFSI), a not-for-profit group that focuses on reducing slip-and-fall accidents.



**CLEAN MULTIPLE SURFACES** Cleaning solution created by the Orbio 5000-Sc cleans as well as comparative products for all-purpose and glass cleaning in manual wipe method, in independent testing conducted by the Toxics Use Reduction Institute (TURI) Surface Solutions Laboratory. The solution can be used for most manual or automated daily cleaning applications, and is a WOOLSAFE-approved environmentally preferable product for use on wool and advanced-generation synthetic carpets and rugs.

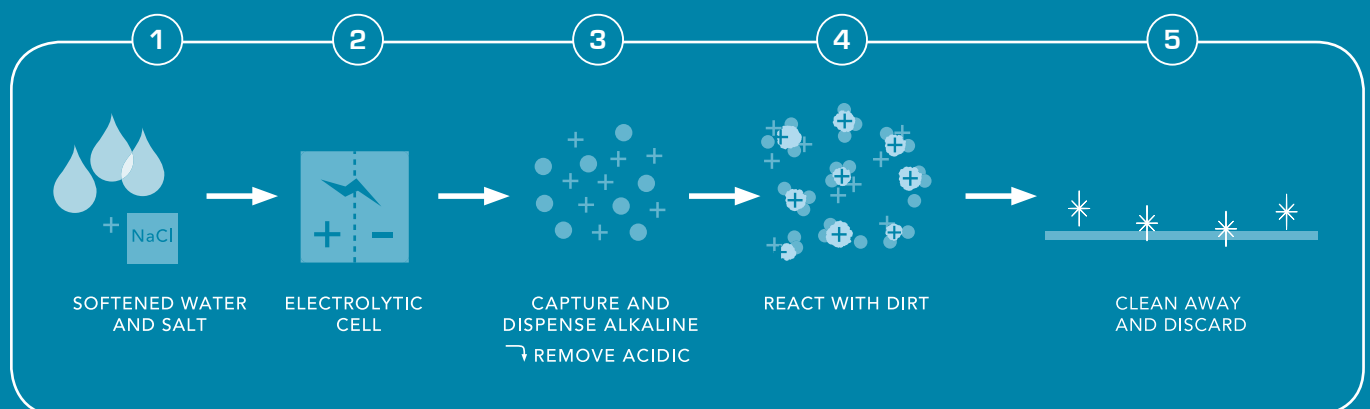


**CONTROL YOUR COSTS** Reduce the need for buying, transporting, storing, and disposing of many conventional daily-use cleaning chemicals and packaging.

# Orbio® 5000-Sc: How it works

The Orbio® 5000-Sc uses the alkaline stream from Split Stream Technology to create an effective cleaning solution on site, where it's needed.

- 1 Softened tap water and salt flow into an electrolytic cell
- 2 Electricity is applied, creating separate alkaline and acidic streams
- 3 The alkaline solution is stored, and the acidic solution is removed
- 4 Used in sprayers, scrubbers, and carpet extractors, the alkaline solution reacts with organic soils during cleaning
- 5 The water and suspended soils can be wiped away and discarded



## Just dispense and clean



**SMART MACHINE** – Easy-to-use display tells when to add softener salt or change the filter



**BOTTLE FILL** – Allows walk-up dispensing on demand for smaller solution containers such as bottles used in spray-and-wipe cleaning



**FAST FILL** – Up to three times as fast as a typical faucet and hose; fills a 25-gallon/95 liter tank in less than two minutes



**HIGH CAPACITY** – Automatically generates ready-to-use cleaning solution with no mixing required; stores 120 gallons/450 liters of cleaning solution

## On site, ready to use

The Orbio® 5000-Sc is simple. It requires only a standard electric power source, a plumbed water supply, a drain, and the occasional addition of standard water softener salt. With the 5000-Sc, you will always have daily-use cleaning solution on site and ready to use.

# Environmental Stewardship



**5000-Sc solution:  
Reduction of  
environmental  
impact as compared  
to conventional  
packaged cleaning  
chemicals\***

**CONVENTION CENTER  
SCENARIO**



**98%↓  
SMOG**



**97%↓  
OZONE DEPLETION**



**91%↓  
EUTROPHICATION**



**73%↓  
CO<sub>2</sub> EMISSIONS**



**72%↓  
PARTICULATE**



**54%↓  
ACIDIFICATION**



**43%↓  
ECOTOXICITY**

# Third Party Evidence



**NFSI (National Floor Safety Institute) Certified**

NFSI certified products must pass a 2-phase wet slip resistance process and have been shown to reduce the potential for slip-and-fall accidents.



**NSF Registered**

Orbio 5000-Sc cleaning solution is registered by NSF International as acceptable for use as a general floor and wall cleaner in and around food processing areas, where it is not intended for direct food contact.



**WOOLSAFE Approved**

Orbio 5000-Sc cleaning solution is a WOOLSAFE-approved environmentally preferable product for use on wool and advanced-generation synthetic carpets and rugs.



**TURI Tested**

Cleaning solution generated by the 5000-Sc was tested by the TURI (Toxics Use Reduction Institute) Surface Solutions Laboratory and found to clean as well as comparative products for all-purpose and glass cleaning in a manual wipe method.



\* Results based on estimates and assumptions set forth in the Life Cycle Analysis conducted by third party consultant Ecoform, LLC. See Orbio.com for details.

“My staff tells me that 5000-Sc solution works great, from removing fingerprints on glass to cutting through grease on kitchen floors. It truly is a good, eco-friendly, all-purpose cleaner – as good as or better than anything we are using now.”

— **Pete Vlamis, Director,  
ARAMARK Buildings and  
Grounds, Indian Prairie School  
District #204, Chicago, IL  
(metro area)**

“The Orbio® 5000-Sc has all the upsides we want – it’s healthier, better for the environment, it simplifies training and we can save money.”

— **Mike Kilsdonk, Manager,  
Operations Support Services  
for Marsden Building  
Maintenance**

“Once I saw how good a job it did cleaning multiple surfaces, I was impressed. And, in our opinion, it works as effectively as the conventional cleaners that we were using on our glass and carpets.”

— **Conor McGarvey, SMG’s  
Director of Operations  
for the David L. Lawrence  
Convention Center**

“I look for a consistently clean building and Orbio® 5000-Sc solution is consistent. There’s no need to mix it, you can’t over- or under-use it like chemical cleaners.”

— **Tom Dillulio, Director  
of Building Services for  
Global Spectrum**





## Our vision: a cleaner, healthier world

Orbio Technologies, a Tennant Company Group, is a leading innovator in sustainable technologies that provide effective results without the use of conventional cleaning chemicals.

To learn more about the Orbio 5000-Sc and other innovations in cleaning, contact Orbio today.



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