

## Company Profile

**THE GLOBAL LEADER IN DIRECT MF/UF RETROFITS.**  
**UNMATCHED TIPS PVDF PERFORMANCE.**



# COMPANY PROFILE

## SCINOR WATER AMERICA, LLC

### OVERVIEW

Scinor designs and manufactures high performing TIPS Ultrafiltration modules for direct retrofit applications of all major MF/UF platforms and integration in new systems for water and wastewater treatment. Along with broad engineering and service expertise, these offerings have demonstrated extraordinary end-user value.

The company has a global presence with offices in New York, Beijing and Singapore and boasts an installation base of over 550 sites and a total installed capacity over 800 MGD. Of those installations, more than 160 represent retrofit projects in which over 40 original membrane suppliers have been replaced with industry-leading Scinor TIPS PVDF UF membranes, totalling over 280 MGD of treatment capacity.

Since its inception in 2009, Scinor has quickly developed into one of the world's most innovative water treatment companies, reflected in the GWI nomination for Breakthrough Water Technology Company of the Year at the 2016 Global Water Awards.

### MANAGEMENT

Scinor Water America (SWA) is the exclusive distributor of Scinor TIPS Ultrafiltration membrane products in North America, Europe and Australia. Based in New York, SWA is comprised of an employee-ownership group led by CEO Tom Poschmann, a 30-year veteran of the water and filtration industry.

SWA continues to significantly disrupt the low-pressure membrane business in North America and is growing rapidly. To date, SWA has commercialized 18 unique UF products for the U.S. water treatment market, with the majority designed for direct replacement of major manufacturers' equipment, often providing significant performance improvements and cost efficiencies.

### THE TIPS DIFFERENCE

Scinor's patented TIPS manufacturing process yields a uniform, highly permeable, interconnected pore structure with stronger chemical bonds within the crystalline structure. The TIPS process results in PVDF membranes with greater permeability, longer service life, superior mechanical strength and much higher chemical tolerance in contrast to non-TIPS techniques.



## **CERTIFICATIONS**

Scinor manufactures its cost-effective, high performing PVDF membranes through a patented, cutting-edge manufacturing process. Manufacturing facilities are certified to the highest global standards, including ISO 9001:2008 for quality control management.

In addition, this patented manufacturing process extracts and recycles the solvents and diluents used to manufacture the PVDF membranes and results in zero liquid discharge, the first of its kind in the industry. This manufacturing program earned the prestigious ISO 14001 environmental management certification.

All products are also certified to numerous U.S. drinking water standards, including NSF/ANSI 61 and NSF/ANSI 419, and exceed standards set forth in the EPA Membrane Filtration Guidance Manual, LT2ESWTR and California Title 22 Reuse Standards. Scinor was one of the first membrane manufacturers to complete NSF/ANSI 419 testing and boasts one of the highest virus reduction rates of any tested manufacturer. Numerous state agencies have granted approval for use in drinking water and reuse applications, including TCEQ (Texas Commission on Environmental Quality), OHA (Oregon Health Authority), CDPHE (Colorado Department of Public Health & Environment), California DDW (Division of Drinking Water) and many others.

## **STATE-OF-THE-ART MANUFACTURING**

Scinor has continually expanded and invested in its membrane and treatment equipment manufacturing facilities. Due to its rapid growth in both the U.S. and Asian water markets, the company has invested significantly in its manufacturing capabilities to ensure it is positioned to meet future product demand. Scinor's state-of-the-art manufacturing combines fiber spinning, module assembly and quality control for pressure, vacuum and MBR configurations in a streamlined and automated facility. NSF/ANSI 419 requires random audits of manufacturing records to ensure that all products comply with rigorous safety standards.

## **INSTALLATION BASE**

Scinor products have been independently field tested in multiple water and wastewater applications and have demonstrated excellent performance. The company has successfully commissioned many municipal and industrial installations. Many of these installations represent the first successful MF/UF direct retrofits of their kind in North America.

## IN THE NEWS

Scinor has been featured in numerous industry related publications, leading technical conferences and general news publications. Some examples include Treatment Plant Operator Magazine, GWI Water Desal Report, AWWA Journal, various AMTA/AWWA Conference Proceedings, WaterWorld, International Conference on Desalination and Water Reuse, NPR and many more.

## FUTURE PLANS

As Scinor continues to expand the ways in which we serve our customers, the management team has identified several key components of our immediate growth plans. These include:

- Expanding global manufacturing capabilities including a US-based facility
- Introduction of additional retrofit products to increase capabilities to retrofit over 90% of MF/UF installed base in North America
- Expansion of mobile water product portfolio
- Execution of major potable reuse retrofits and system expansions

## AT A GLANCE

<b>HEADQUARTERS</b>	New York, NY
<b>NUMBER OF INSTALLATIONS (GLOBALLY)</b>	550
<b>TOTAL INSTALLED CAPACITY (GLOBALLY)</b>	800 MGD
<b>NUMBER OF MF/UF RETROFIT INSTALLATIONS (GLOBALLY)</b>	160
<b>TOTAL INSTALLED RETROFIT CAPACITY (GLOBALLY)</b>	280 MGD
<b>NUMBER OF UF PRODUCTS</b>	18
<b>NUMBER OF ORIGINAL MF/UF SUPPLIERS SUCCESSFULLY RETROFITTED</b>	40
<b>MAJOR QUALITY &amp; SAFETY CERTIFICATIONS</b>	NSF/ANSI 61, NSF/ANSI 419 ISO 9001:2008, ISO 14001
<b>KEY REFERENCES</b>	West Basin MWD, CA Orange County Water District, CA City of Albany, OR City of Temple, TX Santa Margarita Water District, CA
<b>REMOVAL RATING NSF/ANSI 419 CERTIFICATION</b>	> 6 LRV crypto/giardia (99.9999%) > 3.9 LRV virus (MS2)