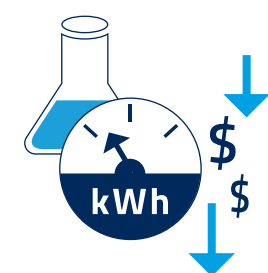


AWC® is renowned as one of the most trusted suppliers of membrane chemicals for Reverse Osmosis/Nanofiltration (NF/UF) and Microfiltration/Ultrafiltration (MF/UF) systems. Since inception in 1993, our unique understanding of water chemistry has earned us a worldwide reputation for resolving complex operational issues and improving membrane pretreatment processes. Our goal is to enable our customers to meet their increasing water production demands, cope with concentrate disposal restrictions, and reduce their energy consumption through the use of our membrane antiscalants, cleaning chemicals and biocides.

Why aWC® is the smart choice



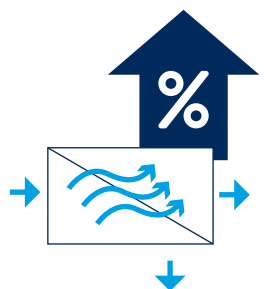
1 Reduce operating costs

Membrane fouling and scaling increase energy consumption and drive up operating costs. AWC® membrane chemicals reduce fouling and inhibit scaling at lower dosages, and can eliminate the need for costly pH adjustment.



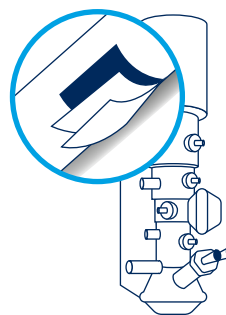
4 Eliminate sulfuric acid dosing

AWC® antiscalants can eliminate the need for pH reduction with acid, drastically reducing cost and improving worksite safety.



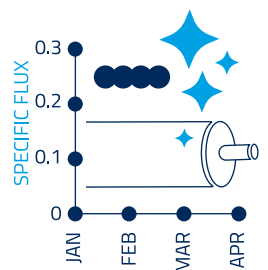
2 Maximize system recovery

AWC® manufactures a broad range of antiscalants for inhibition at very high saturations. This will enable the highest possible recovery for maximum water savings.



5 Membrane autopsies and cleaning studies

Our team of chemists and engineers will conclusively identify the cause for deterioration in membrane performance. A detailed report will provide recommendations for prevention or restoration.



3 Extend time between membrane cleanings

AWC® will provide you with a customized chemical program for effective inhibition and a cleaning protocol for complete foulant removal. Fewer cleanings prolong the life of the membranes, reduce downtime and lower operating costs.



6 Innovative research and custom solutions

The AWC® R&D team is continuously working to develop new and improved products. Using our proprietary ROSSEP™ process, we can simulate your system to design a solution specifically tailored to your needs.

What sets aWC® apart?

- ✓ Our membrane experts can tackle complex scale formation, or seemingly irreversible membrane fouling.
- ✓ We have unmatched laboratory resources and technical support.
- ✓ We are the only RO antiscalant manufacturer that never uses toll blenders – all our chemicals are manufactured at our facility under stringent quality control.
- ✓ Our Proton® Aqueous Membrane Chemistry Calculator is the most accurate and reliable RO antiscalant projection software in the industry.

🛡️ Outstanding
★ = Excellent
■ = Very Good
● = Good

Application/Scale Type	High Performance Antiscalant Selection Chart								Superconcentrated	
	A-102 Ultra	A-108	Megaflux AC	A-110	Megaflux AF	A-119	Megaflux Si	A-120	Everflux	Veraflux
Sulfate		★	●	★		●		■		■
Carbonate	★	★	★	★	★	★	★	■	★	■
Phosphate		●	●	■				🛡️		■
Silica/Silicate	■	★	●	★	★	★	🛡️	●	■	●
Magnesium Hydroxide	■	★		●	★	★	■	●	🛡️	●
Iron	■	●	●	●	🛡️	★		■	★	●
Aluminum	■		●		🛡️	★	■	■	★	●
Phosphorous-free								✓		✓

Other specialty antiscalants available including broad P-free and direct potable-use selections

★ = Excellent
■ = Very Good
● = Good

Foulant/Scale	Cleaning Chemical Selection Chart												
	Powder Cleaners					Liquid Cleaners							
	Low pH			High pH		Low pH				High pH			
	C-205	C-209	C-225	C-226	C-227	C-219	C-234	C-239	C-217	C-218	C-236	C-237	C-238
Sulfate Scales								★					★
Carbonate and Phosphate	★						★		●				
Silicate Scales		★				★				●	■	●	
Iron Oxide	●	●	★				●		■			●	
Oils and Greases				★	★					■	★	★	●
Biological and Organic Foulants				■	★					■	■	■	●
Heavy Organic (NOM) Fouling				■	★					●	■	●	
Colloidal Silica and Suspended Solids				★	■					■	★	■	

Phosphorous-free and EDTA-free cleaning chemicals available

Application		Membrane Preservatives, Disinfectants/Biocides and Dechlorination Chemicals						
		AWC D-115	AWC D-303	AWC D-420	AWC D-615P	Bioflux CS	AWC DC-208	AWC C-221
Non-Oxidizing Biocides	High Organics	✓						
	Fast Acting			✓				
Oxidizing Biocides			✓		✓			
Biofilm Penetrator						✓		
Dechlorinator/Biocide Deactivator							✓	
Membrane Preservative								✓
NSF Approved			✓		✓	✓	✓	✓

Custom formulation available upon request

Contact AWC® today to reduce your operating costs, and extend the life of your membranes.