

Product Information Sheet

ADVANTAGES

- Liquid formulation designed for use as a low pH cleaner for reverse osmosis membranes
- Removes inorganic carbonate, phosphate and sulfate scalants as well as metal oxides
- Contains a synergistic blend of cleaners and scale removal agents for a thorough cleaning of the membrane
- Will remove certain inorganic precipitants that cannot be removed through the use of citric or hydrochloric acid
- May eliminate the need for repeat cleanings in cases of severe scaling
- Compatible with all Thin Film Composite R.O. membranes from all major membrane suppliers
- Certified by NSF to NSF/ANSI Standard 60

TYPICAL PROPERTIES

Appearance	Colorless to yellow liquid
Odor	Slight odor
Solubility in water	Complete
pH (as is) @ 25°C	<2
Specific Gravity	1.09 ± 0.05

PACKAGING

5 gallon pails, 55 gallon non-returnable plastic drums and 275 gallon totes

AWC® C-217

Low pH Membrane Cleaning Compound

SAFETY & HANDLING

Store in cool, dry and well ventilated area. Keep containers closed. Wash contaminated clothes before re-use. Wash thoroughly after handling. For more information, see the Safety Data Sheet provided with this product.

CHEMICAL FEEDING AND CONTROL

Always flush the system with permeate water before commencing a CIP. The cleaning solution should be prepared using RO permeate water that is free of residual chlorine or other oxidizing agents. Add 17 lbs of AWC C-217 to every 100 gallons of water (2 % by wt. solution). Adjust the pH in the range 2 - 2.5. Recirculate the cleaning solution throughout the system, after redirecting the first 20% of the solution to drain. Do not exceed pressures, temperatures and flow rates recommended by the membrane manufacturer. Cleaning efficacy can be further improved by heating the cleaning solution. Monitor the pH range every 15 minutes throughout the cleaning. When pH increases above the desired range, it should be adjusted back down by adding more AWC C-217.

For recovering membrane rejection after high pH cleaning, alternately circulate the solution for 60 minutes and then soak the membranes for 30 minutes. Repeat for a total exposure time of 2 - 4 hours.



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