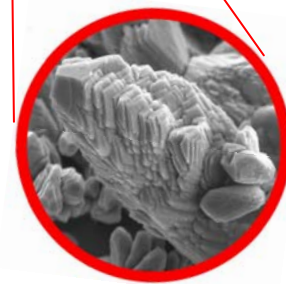




AWC C-234 Reverse Osmosis Membrane Cleaning Compound

Advantages

- **AWC C-234** is a concentrated liquid formulation designed for use as a low pH cleaner of polyamide thin film composite membrane surfaces.
- **AWC C-234** removes inorganic carbonate, phosphate and sulfate scalants as well as metal oxides.
- **AWC C-234** contains a synergistic blend of cleaners and scale removal agents for a thorough cleaning of the membrane.
- **AWC C-234** will remove certain inorganic precipitants that cannot be removed through the use of citric or hydrochloric acid.
- **AWC C-234** may eliminate the need for repeat cleanings in cases of severe scaling.
- **AWC C-234** is NSF approved for use in potable membrane systems.
- **AWC C-234** is compatible with all Thin Film Composite R.O. membranes from all major membrane suppliers.



SEM photomicrograph of CaCO₃ scales at 1000X magnification

Typical Properties

AppearanceClear, Colorless to Light Yellow Liquid
OdorSlight Characteristic Odor
pH (as is)<2
Water SolubilityCompletely Soluble

Chemical Feeding and Control

The cleaning solution should be prepared using potable water that is free of residual chlorine or other oxidizing agents. Add 2 Gal of **AWC C-234** to every 100 gal of water (2% solution). Adjust the pH in the range 2 – 3. 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 and alternately circulating the solution for 15 minutes and then soaking the membranes for 15 minutes. This should be repeated as many times as necessary. pH range should be monitored periodically throughout the cleaning. When pH increases above the desired range, it should be adjusted by adding more **AWC C-234**.

Safety and Handling

Store in a cool, dry and well ventilated area. Keep containers closed. Wash contaminated clothes before re-use. Wash thoroughly after handling. Please see MSDS for more details.

Packaging

AWC C-234 is packaged in 5 Gallon pails and 55 Gallon drums. Other packaging is available upon request.

ISO 9001:2008 Certified Company

