

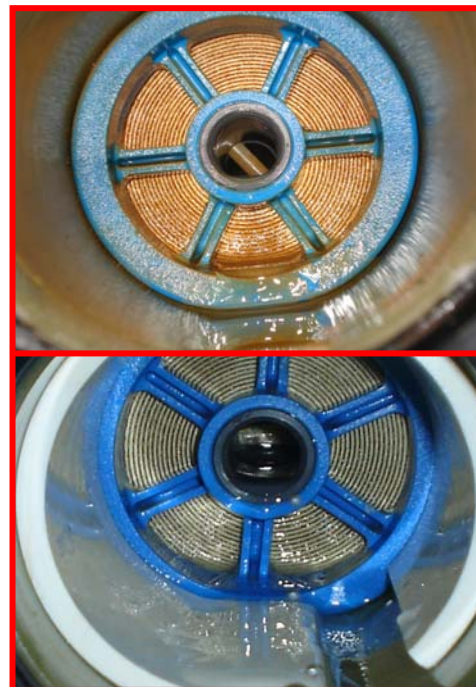


AWC C-237 Reverse Osmosis Membrane Cleaning Compound

Advantages

- **AWC C-237** is a concentrated liquid formulation designed for use as a high pH cleaner of polyamide thin film composite membrane surfaces.
- **AWC C-237** works to remove the most stubborn biofilms and organic foulants.
- **AWC C-237** supports the cleaning of acid insoluble sulfates of calcium, barium and strontium as well as calcium fluoride.
- **AWC C-237** is especially effective in removal of metal oxide deposits when used in a pH range of 9 – 10.5.
- **AWC C-237** is buffered so as not to exceed a pH of 12.
- **AWC C-237** may eliminate need for repeat cleanings where severe fouling exists.
- **AWC C-237** is NSF approved for use as a membrane cleaner in potable water systems.
- **AWC C-237** is compatible with all Thin Film Composite R.O. membranes from all major membrane suppliers.

Pictures: Top: Membrane with biological slime and organic foulants prior to cleaning. Bottom: Membrane after cleaning with AWC C-237



Typical Properties

Appearance	Clear Colorless to Light Yellow Liquid
Odor	Slight Characteristic Odor
pH (as is)	> 12
Specific Gravity	1.1 ± 0.1
Water Solubility	Completely 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-237** to every 100 gal of water (2 % solution). Adjust the pH in the range 10 – 11. 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 drops below the desired range, it should be adjusted by adding more **AWC C-237**. Optimal iron removal occurs at pH of 8.5 – 10.5.

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-237 is packaged in 5 Gallon plastic containers. Other packaging is available upon request.

ISO 9001:2008 Certified Company

