

ADVANTAGES

- Cost effective low pH cleaner for use with MF and UF membranes
- Dissolves 35X more iron oxide than citric acid
- Effective at breaking up iron-based mudballs
- Efficiently solubilizes aluminum oxide/hydroxide deposits
- Excellent dissolution of carbonate and phosphate scales
- Compatible with membranes from all major membrane suppliers
- Certified by NSF to NSF/ANSI Standard 60

TYPICAL PROPERTIES

Appearance	Clear, colorless liquid
Odor	Characteristic
Solubility in water	Complete

PACKAGING

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

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

Use potable water that is free of residual chlorine or other oxidizing agents to make the cleaning solution (RO permeate or DI water are preferred). Prepare the cleaning solution by adding 17 lbs of AWC UF-417 for every 100 gallons of water (2 % by wt. solution) depending on severity of fouling. Heat water to the maximum temperature allowed by the module manufacturer. Circulate the cleaning solution throughout the modules, with the filtrate valve closed, in the feed direction for 30 min (for tubular designs) while maintaining a pH < 2.5. The direction of the flow can then be reversed and circulated for 30 more minutes. Monitor the pH every 15 minutes. Adjust the pH to < 2.5 by adding more chemical if needed. Repeat as necessary until solution pH remains stable for two consecutive readings. Systems that allow back flushing may be back flushed with cleaning solution from the filtrate to the feed for 15 minutes. After the cleaning is finalized the modules must be flushed with MF/UF filtrate.

