Product Information Sheet

AWC® UF-434

MF/UF Low pH Cleaning Compound

ADVANTAGES

- Low pH membrane-cleaning compound for dissolution of carbonate and phosphate scales from microfiltration and ultrafiltration surfaces and pores
- Effectively dissolves and chelates iron, aluminum and other metal oxides
- Buffered to maintain pH range even when product is accidentally overdosed
- Compatible with most UF/MF modules
- Certified by NSF to NSF/ANSI Standard 60

TYPICAL PROPERTIES

Appearance	Clear yellow to amber liquid
Odor	Slight Characteristic
Solubility in water	Complete
pH (as is) @ 25˚C	< 2
Specific Gravity	1.35 ± 0.05

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 1-2 gallons of AWC UF-434 for every 100 gallons of water (~1–2 % 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 of 2-3. The direction of the flow can then be reversed and circulated for 30 more minutes. Measure the pH every 15 minutes. Add AWC UF-434 as necessary to the cleaning solution to maintain the pH range of 2–3 throughout the entire cleaning process. 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.

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