

Providing Creative Solutions



Membrane Sanitation Solutions



PROGRAM BENEFITS

- Enhanced membrane life
- Optimized finished product quality
- Operational savings regarding water, time, energy
- Reduced cleaning time/expanded production hours
- Customized cleaning programs to address plant specific needs

PROVIDING CREATIVE SOLUTIONS FOR RO, UF, NF, & MF MEMBRANE CLEANING



The membrane sanitation program from Hydrite Chemical Co. represents the culmination of 30 years of research and development. We've listened to our customers concerns regarding membrane sanitation, and understand the impact your membrane processes have on throughput and productivity. Our objective is to clean the membrane effectively and quickly, to keep your process running smoothly.

Our program includes not only a family of detergent products which provide superior performance and cost effective cleaning, but also

technical support, in-plant service, training, dispensing equipment, and a state of the art controller, [The Membrane Minder](#).

OPERATIONAL SAVINGS

The Hydrite Chemical Co. membrane team is prepared to visit your plant to evaluate current operating conditions, cleaning practices, and plant specific objectives. We will then provide detailed recommendations to help meet your objectives and minimize your chemical expenditures, energy, water & effluent charges.

CLEANING TIME REDUCTIONS

Our membrane cleaning experience and industry-leading chemistry will minimize cleaning times and provide optimal cleaning results. Our superior technical expertise enables us to better understand system flows and pressures, and determine whether mechanical or procedural changes would result in cleaning time reduction. Cleaning time reductions can increase daily throughput and improve plant profitability.

CUSTOMIZED CLEANING PROGRAMS

We customize your cleaning program to meet your current and future requirements with a program designed to handle any feed stream variables and achieve the best results at the lowest cost.

We recognize that your membranes represent a significant investment. Replacing membranes prematurely is a considerable and unnecessary expense that reduces your profits.

Hydrite Chemical Co. can enhance membrane life and

protect your investment through the utilization of our proprietary chemistry, membrane maintenance program, and proper processing procedures.

MEMBRANE TRAINING

Your plant operators and supervisors can benefit from our onsite training program. This training covers many topics such as membrane applications, systems, chemistry of cleaning, as well as a comprehensive maintenance program to protect your investment. Our membrane specialists are trained to identify the critical points in the process that impact the membrane system performance and any cleaning concerns in order to resolve issues before they become costly problems.

MEMBRANE CLEANING LAB

Hydrite Chemical Co. maintains a



membrane cleaning lab to conduct chemical trials and soil evaluations on 4" and 8" element configuration. We can determine soil types and perform cleaning studies to recover water flux on RO, UF, NF, and MF membranes.

MEMBRANE MINDER

The Hydrite Chemical Co. Membrane Minder is a state of the art system designed to control, dispense, and record chemical volumes. This unique piece of equipment uses reliable air actuated pumps and calibrated flow meters to control detergent feed and to assure their delivery to the membrane

system. The push buttons are programmable for dispensing various wash formulas with multiple chemicals. A digital display is also used to provide readout of the dispensing status. Data is also logged and archived for validation of dispensing products to the desired system.

TECHNICAL SUPPORT & SERVICE

Hydrite Chemical Co. membrane sanitation specialists are recognized as the industry leaders and innovators. They work closely with the membrane manufactures and equipment suppliers to meet your needs for processing and cleaning.

WHEY PROCESSING EXPERTISE

If you are a whey processor, Hydrite Chemical Co. can assist you with optimizing your entire whey operation. We are the industry leader in the manufacturing of whey and lactose process aids. Process aids improve the appearance and decrease the ash content of your final product. They also reduce energy consumption and increase production time by reducing mineral scaling, minimizing evaporator cleaning time. Hydrite Chemical Co. technical staff is skilled at assisting customers with reducing their evaporator cleaning time through modifications in procedures or chemistry.

HYDRITE CHEMICAL CO.

A pioneer in the development of reverse osmosis, ultrafiltration, nanofiltration, and microfiltration sanitation products for the dairy and food industry.

If you're looking for a comprehensive chemical partner with your profitability in mind, call 262-792-1450 and learn how we will help you simplify your chemical program, streamline logistics and reduce your operating costs.



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