

Pretreatment Products

Synder Filtration offers a wide range of pre-treatment options to help maintain membrane life and sustain performance. Ranging from cost-effective bag filters to large volume multimedia filters, Synder's pretreatment products are engineered to reduce the amount of chemical constituents that can foul membranes and are an excellent option in decreasing operational costs. Contact us today to learn about the right pretreatment option for your application.

Chemical Dosing

Small peristaltic pumps constantly deliver low concentrations of antiscalant, antioxidant (for chlorine), pH balance (acid/caustic), or other pretreatment chemicals to ensure high performance with your membranes.

Cartridge Filters

Cartridge filters are a good "final catch" before your membrane and are excellent for solutions with less than 100ppm of contamination. Filtration rates from 0.1micron to 100micron are available.

Water Softeners

Synder Filtration's water softeners are designed to remove inorganic metal ions from the feed solution by loading an ion exchange resin into a tank with a back flush and recharge control head.

Bag Filters

Bag filters are a cost effective method of reducing TSS levels in the freed stream, resulting in an increase in membrane life and performance. Filtration rates from 0.1micron to 100micron are available.

Activated Carbon Filters

Synder Filtration's granular activated carbon (GAC) is excellent in removing organic solvents in solution, including chlorine.

Multi-Media Filters

Multi-Media filters are an optimal choice when dealing with large volumes, allowing for much higher flow rates and tank size.

Reverse Osmosis Cleaning Chemicals – Synder's RO cleaning chemicals range from dosing chemicals used for CIP cleaning to acidic and basic cleaning. We understand your need to keep your RO system running at peak performance and have the viable options available to meet that requirement.



CARTRIDGE FILTER



WATER SOFTENER & CARBON FILTER



BAG FILTER



CONTROL HEADS

POWER FLUX CONCENTRATE

safe
versatile
effective

Ultrafilter Cleaning Solution for Electrocoating

Power Flux Concentrate (PFC) cleaning solution was formulated specifically for removing paint solids from Synder's V6 e-coat membranes. Formulated for normal paint fouling, PFC contains zero VOCs and unlike other UF cleaners, it only requires the addition of acid and clean water (RO or DI quality).

- Available in 1 & 5 gallon containers
- No expensive additional additives required for normal UF cleaning
- Specialized cleaning formulations available upon request to combat specialized fouling
 - Biological
 - Iron
 - Heavy Metals



Membrane Cleaner Products – Synder offers a set of concentrated membrane cleaner products that are available in liquid and power formulations. The typical use concentration is a 1% solution, providing a cost effective dilution when compared to other products. The non-oxidizing biocide, Excide™ 20, is an EPA registered antimicrobial for use on membrane systems.

Membrane Cleaner Products				
Product	Form	pH 1%	Foulants	Membrane
S-20	Acid Powder Cleaner	2.0	Hardness scale, Metals, Silica	All Types
P-11	Alkaline Powder Detergent	10.7	.Silt, Organics, Biological	Polyamide-TFC, Polysulfone
H-50	Liquid Acid Cleaner	2.2	Hardness scale, Metals	All types
K-12	Liquid Alkaline Detergent	11.5	Silts, Organics, Biological, and Sulfate deposits	Polyamide-TFC, Polysulfone, PVDF
Excide™ 20	Liquid Biocide	n/a	Bacteria, Fungi	All Types

RO Pretreatment Chemicals			
Product	Type	Function	Description
CPS-1200	Scale Inhibitor	CAC03, BaS04, CaS04, SrS04 antiscalant	A good calcium Carbonate scale inhibitor
CPS-2000	Antiscalant/ Dispersant	Multifunction antiscalant for CAC03, BaS04, CaS04, SrS04 and dispersant for silt and metal oxides	Universal product to control hardness scaling and membrane fouling.
CPS-2048	Antiscalant/ Dispersant-S04	Targeted for strong sulfate inhibition as well as calcium carbonate. Dispersant activity for silt.	Dispersion properties help prevent fouling from inorganic particles.
CPS-1052	Antioxidant	Removes chlorine as reducing a agent	Antioxidant reducing agent is used to react with chlorine as pretreatment to RO.