

# Pretreatment Products

Synder Filtration offers a wide range of pretreatment 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 and particulate matter that can foul membranes. Contact us today to learn about the right pretreatment options 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 optimal membrane performance.

## CARTRIDGE FILTERS

Cartridge filters are a good "final catch" before the membrane. Cartridge filters from 0.1-100 micron are available.

## WATER SOFTENERS

Synder Filtration's water softeners are designed to remove inorganic ion species from the feed solution via ion exchange resin loaded into a tank with a recharge control head and backflush capabilities.

## BAG FILTERS

Bag filters are a cost effective method of reducing particulates in feed streams, resulting in an increase in membrane life and performance. Bag filters from 0.1-100 micron are available.

## ACTIVATED CARBON FILTERS

Granular Activated Carbon (GAC) is excellent for removing organic solvents in water, including chlorine.

## MULTI-MEDIA FILTERS

Multi-Media filters are an optimal choice when dealing with large volumes of TSS & turbidity.



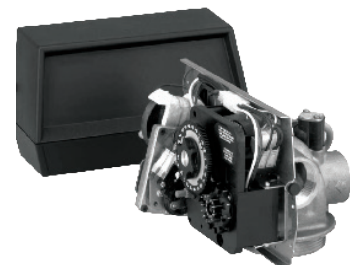
CARTRIDGE FILTER



WATER SOFTENER &  
CARBON FILTER



BAG FILTER



CONTROL HEADS

# POWER FLUX CONCENTRATE™

safe  
versatile  
effective

## Ultrafilter Cleaning Solution for Electrocoating

The 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

## MEMBRANE CLEANER PRODUCTS

Synder offers a set of concentrated membrane cleaner products, available in liquid and powder form. 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 at 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