

# Diamite™ Series

## Liquid Membrane Cleaners

The Diamite Series is a line of liquid membrane cleaners designed to remove a variety of organic and inorganic foulants. All Diamite cleaners are highly concentrated and easy to use.

Product	Ideal For	Membrane	Mixing Ratio	pH
<b>Diamite ACA</b>	Microbiological Matter, Silt, Organics, Particulates, Colloids, Acid Insolubles.	Cellulose Acetate	1 gallon to 40 gallons of water.	Med.
<b>Diamite LpH and ZpH</b>	Fe, CaCO <sub>3</sub> , Metal Oxides, Inorganic Salts, Acid Solubles.	All Types	1 gallon to 40 gallons of water.	Low
<b>Diamite AFT and BFT</b>	Silt, Organics, Particulates, Colloids, Microbiological Matter, Acid Insolubles.	Thin Film Composite	1 gallon to 40 gallons of water.	High

### Diamite ACA

Diamite ACA was designed to optimize cellulose acetate membrane performance by effectively removing microbiological foulants, organics, silt, and particulates from the membrane surface. It is buffered to not cause hydrolysis of cellulose acetate.

### Diamite LpH and ZpH

Diamite LpH and ZpH are ideal for the removal of acid soluble scale including iron, calcium carbonate and metal oxides. They are compatible with thin film composite and cellulose acetate membranes. The mild acidic liquids are convenient and safe to use.

### Diamite AFT and BFT

Diamite AFT and BFT were designed to aggressively remove silt, organics, particulates, colloids and microbiological foulants from thin film composite membranes. The unique formulations include a highly effective sanitizing agent that eliminates the need for hydrogen peroxide, formaldehyde, and other membrane disinfectants as a post or pretreatment to membrane cleaning.

### Cleaning Procedures

1. Prepare system for cleaning and fill cleaning tank with good quality water.
2. Use 1 gallon of Diamite Cleaner for every 40 gallons of cleaning solution mixed.
3. Re-circulate the cleaning solution for a minimum of 1 hour. Heavily fouled membranes may require a static soak.
4. For best results:
  - Temperature* – elevated, but should not exceed 110°F.
  - Pressure* – minimal (not to exceed 60 psig).
  - Flow rate per unit* – 4 inch diameter membrane 9 gpm  
8 inch diameter membrane 35 gpm
5. Rinse system with good quality water for a minimum of 30 minutes at low pressure.
6. Discard system product water for a minimum of 15 minutes after system start-up.

\*MSDS available upon request.

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