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
DIAMITE™ LpH and LpH Plus	Fe, CaCO3, Metal Oxides, Inorganic Salts, Acid Solubles.	All Types	1 gallon to 40 gallons of water.	Low
DIAMITE™ HpH and HpH Plus	Silt, Organics, Particulates, Colloids, Microbiological Matter, Acid Insolubles.	Thin Film Composite	1 gallon to 40 gallons of water.	High

Diamite™ LpH and LpH Plus

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

Diamite™ HpH and HpH Plus

Diamite™ HpH and HpH Plus were designed to aggressively remove silt, organics, particulates, colloids and micro-biological foulants from thin 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.

**SDS available at kingleetech.com*

Packaging:

Liquid: 5 gal, 55 gal

CLEANING GUIDELINES

1. Clean each RO train when its normalized productivity has decreased by 15% from clean operation.
2. Prepare each cleaning solution using 1:40 mixing ratio of chemical to permeate or DI water. For safety, insert the water into the tank first, followed by the chemical. If the system is not drained before cleaning, assume that approximately 4 gallons of water is present in each 8"x40" membrane element and 1 gallon of water is present in each 4"x40" membrane element after a thorough system flush.
3. Recirculate solution continuously at 30-40 GPM per 8" pressure vessel, or 7-10 GPM per 4" pressure vessel. Pressure should not exceed 60 psi, and permeate production should be minimized.
4. Soak and circulation times will vary based on the condition of the membranes. Monitoring pH during cleaning and documenting results for each step will help empirically fine-tune your procedure.
5. To improve cleaning effectiveness, you may heat the cleaning solution to approximately 95°F. Do not exceed 110°F or the equipment manufacturer's operational temperature limit. **Do not heat Diamite™ HpH Plus.**
6. Discard the used solution and rinse the system thoroughly after each cycle.