

Lavasol™ 8

LIQUID MEMBRANE CLEANER

Lavasol™ 8 is an alkaline-based liquid membrane cleaner developed to remove organic, microbiological, and acid insoluble foulants from chlorine-tolerant microfiltration and ultrafiltration membranes. Lavasol™ 8 is a blended cleaner, containing builders, dispersants and oxidants to maximize the effectiveness of every cleaning.

Benefits

- Concentrated alkaline cleaner effective on a wide range of organic foulants
- Buffered pH to maintain optimum cleaning performance throughout cleaning cycle
- Liquid cleaner easily diluted to application strength
- Optimal results when used in a program that includes an acid-based Lavasol™ or OptiClean™ product

Uses

- For use on ultrafiltration (UF) and micro-filtration (MF) membranes
- Formulated to dissolve organic precipitants from the membrane surface
- Effective in removing biological slime and bacterial byproduct
- Can be implemented in a chemically enhanced backwash process to increase system run times

Specifications

Appearance	Clear liquid
pH (2% solution)	11.5 – 12.5
Density (kg/liter)	1.2 – 1.3

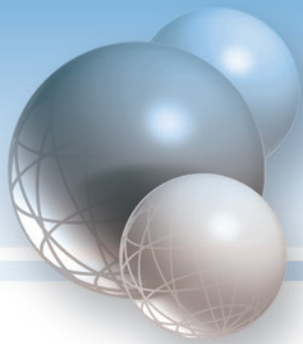
Packaging

Pail: 5 gallon/18.9 liter
Drum: 55 gallon/208 liter

Tote: 275 gallon/1,040 liter

For special packaging options, please contact PWT or your local distributor.





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General Mixing & Application Instructions for LavasolTM 8

1. Inspect all cleaning system components to include CIP tank, hoses, and cartridge filters. Flush or replace if necessary. Fill cleaning tank with RO permeate or DI water. Turn on agitator or tank recirculation pump.
2. Slowly add LavasolTM to cleaning tank (1 gal [3.8 L] of LavasolTM for every 50 gal [189 L] of water). Mix thoroughly. The solution pH should match product specification. If necessary, adjust pH with a membrane-approved chemical such as caustic, citric, sulfuric or hydrochloric acid. The solution should be heated up to 45°C to improve cleaning efficacy.
3. Circulate solution in the same direction as the feed flow. Typical circulation times are 30–90 minutes.* PWT recommends cleaning each stage of the system separately. Maximum flow rate per pressure vessel is 40 gpm (152 Lpm) for 8-inch elements and 10 gpm (38 Lpm) for 4-inch elements. Maximum pressure for cleaning is 60 psig (4.2 kg/cm²).
4. In cases of heavy fouling, divert the first 10-20% of cleaning solution to drain to prevent re-deposition of removed solids.
5. Rinse with RO permeate before returning system to service. When returning unit to service, divert product water to drain until any residual cleaning solution has been rinsed from system.

*Depending on the nature of the fouling, a soak period may be necessary for optimum results. Please contact PWT or your local distributor for custom cleaning procedure, or consult PWT's Technical Bulletin 503 for further cleaning recommendations.

Company Overview

Founded in 1996, Professional Water TechnologiesTM develops industry leading products and services for maintaining and operating industrial, commercial, and municipal reverse osmosis and MF/UF systems. With efficiency and high performance behind everything we do, Professional Water TechnologiesTM solutions surpass our client's expectations by maximizing the operating efficiency, economy, and longevity of their systems. Solutions include super-concentrated phosphate-free antiscalants, membrane cleaners, membrane forensics services, and more.

