

Lavazol™ 3 is a neutral pH liquid cleaner ideal for systems with cellulose acetate membranes. Formulated with select surfactants, solubilizing and dispersing agents Lavazol™ 3 was specifically designed to remove bacterial byproducts, hydrocarbons, silt, clay and other similar foulants.

Features / Benefits

- Concentrated cleaner for most efficient shipping and handling
- Buffered pH to maintain optimum cleaning performance throughout cleaning cycle
- Optimal results when used in conjunction with either Lavazol™ 1 or OptiClean™ A

Uses

- For use on reverse osmosis (RO), nanofiltration (NF), ultrafiltration (UF) and micro-filtration (MF) membranes
- Formulated to dissolve organic foulants from the membrane surface
- Effective in removing biological slime and bacterial byproduct

Specifications

| | |
|--------------------|--------------------|
| Appearance | Pale yellow liquid |
| pH (2% solution) | 6.50 – 7.50 |
| Density (kg/liter) | 1.10 – 1.20 |

Packaging

Pail: 5 gallon/18.9 liter

Tote: 275 gallon/1,040 liter

Drum: 55 gallon/208 liter

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

Lavazol™ 3
LIQUID MEMBRANE CLEANER

Lavasol™₃

LIQUID MEMBRANE CLEANER

General Mixing & Application Instructions for Lavasol™₃

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 Lavasol™ to cleaning tank (1 gal [3.8 L] of Lavasol™ 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.

ProDose XPRT™ – Scaling Prediction Software

ProDose XPRT™ uses the most accurate scaling prediction calculations available to accurately determine effective antiscalant dosage, and cleaning chemical usage. The user can enter multiple cases to study various operating conditions, directly enter concentrate analysis, and select the best PWT product and dosage for the application.

ProDose XPRT™ is available upon request only. Please contact your PWT representative for more information.

PWT ProDose

PWT

UNITS: US | TEMPERATURE: Fahrenheit | PERMEATE FLOW: 81.00 | RECOVERY: 75.0 % | ANTISCALANT: SpectraGuard Liquid | DOSAGE: 2.95 PPM | SOURCE: Well Water | PROJECT NAME: Project 1 | CASE: 1

PROJECT INFORMATION

OVERVIEW

CLIENT NAME: City of San Diego

PROJECT NAME: Project 1

LOCATION:

PREPARED BY:

DATE: 5/1/2016

WATER TYPE: Well Water

MEASUREMENTS

PRESET UNITS: CGS | Metric | U.S.

TEMPERATURE: Deg F

FLOW RATES: Gal/min

MASS UNITS: lb

Enter

COMMENTS (OPTIONAL)

TOTAL CASES (1 AVAILABLE) Max 9

| Cases | Modified Date |
|-------|---------------|
| 1 | 5/27/2016 |

Selected Case Description



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