



Preservol™ P is a powdered membrane preservative for MF/UF and NF/RO systems. Preservol™ P provides a safe and effective solution for the storage of membrane elements for extended periods without loss of performance. Store membranes in-situ to avoid shipping, offsite preservation and storage costs, while also reducing the potential for biological growth in the ancillary tanks and piping of the system. Best suited to membrane systems intending to be offline for more than a few days.

### Features / Benefits

- Powdered formulation provides convenient storage
- Easy to handle and may be transported more economically
- Reliable at extreme temperatures
- Highly stable product extends shelf life
- Classified for use in membrane systems producing drinking water (ANSI/NSF Standard 60)

### Uses

- Safe for use on polyamide thin-film composite membranes, cellulose acetate membranes, nanofiltration and ultrafiltration membranes
- To be used following a cleaning cycle with Lavasol™ or OptiClean™

### Specifications

Appearance	White powder
pH	4.50 - 6.00



### Packaging

Pail: 25 lbs/ 11.36 kg

Pail: 45 lbs/ 20.45 kg

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

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POWDER MEMBRANE PRESERVATIVE

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## General Mixing & Application Instructions for Preservol™ P

1. Thoroughly clean membranes with Lavasol™ or OptiClean™ membrane cleaners as recommended by your PWT representative
2. Mix 1lb of Preservol™ P to 6 gal. of good quality water such as RO permeate or better
3. Recirculate the solution for at least 15 minutes. A recirculation pressure of less than 60 psi is recommended
4. After recirculation, shut-down the system. Do not allow the Preservol™ P solution to drain from the membranes. The membranes may then be stored in separate containers.
5. To use the membranes after storage, first rinse them for 30 minutes using good quality water such as DI or RO permeate.

## 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.*

The screenshot displays the PWT ProDose software interface. At the top, there is a navigation bar with various settings: 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), and CASE (1). Below this, the main interface is divided into several sections. On the left, there is a sidebar with icons for PROJECT INFORMATION, WATER QUALITY, SYSTEM INFORMATION, CHEMICAL SELECTION, CALCULATIONS, and REPORT. The main area is split into two columns. The left column contains an OVERVIEW section with fields for CLIENT NAME (City of San Diego), PROJECT NAME (Project 1), LOCATION, PREPARED BY, DATE (5/1/2016), and WATER TYPE (Well Water). Below this is a COMMENTS (OPTIONAL) section with a text area. The right column contains a MEASUREMENTS section with preset units (CGS, Metric, U.S.), temperature (Deg F), flow rates (Gal/min), and mass units (lb). Below this is a TOTAL CASES (1 AVAILABLE) section with a table showing one case with a modified date of 5/27/2016. The interface is clean and professional, with a dark grey header and a light grey main area.