



SpectraGuard™ 225 combines synergetic phosphates to provide a superior antiscalant/dispersant that is compatible with cationic polymers (See FilteRx product line). Highly effective against carbonate, sulfates and metal hydroxides, SpectraGuard™ 225 provides the ideal solution for membrane systems where cationic polymers are used upstream, such as light industrial and municipal applications.

### Features / Benefits

- Based on a synergistic blend of phosphates this product is compatible with cationic polymers commonly fed in upstream system components (such as Professional Water Technologies™ FilteRx™ product line).
- Stable in presence of chlorine, can be used in systems with halogen in feedwater
- Effective over a wide pH range, minimizing need for pH adjustment
- Compatible and will not precipitate in the presence of feedwater sources that contain metal oxides

### Uses

- Control of calcium carbonate, calcium sulfate, barium sulfate, calcium fluoride, silica, and hydroxides of iron and aluminum

### Specifications

Appearance	Clear amber liquid
pH (1% solution)	2.00 – 2.80
Density (kg/liter)	1.00 – 1.10

### Packaging

Pail: 5 gallon/18.9 liter

Tote: 275 gallon/1,040 liter

Drum: 55 gallon/208 liter

Bulk: available upon request

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

**SpectraGuard™ 225**  
LIQUID REVERSE OSMOSIS ANTISCALANT

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## General Mixing & Application Instructions for SpectraGuard™ 225

1. Typical dose rates are 2.0 to 6.0 mg/l
2. Contact Professional Water Technologies™ or your local distributor for custom chemical dosing recommendation

## 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). The main interface is divided into several sections:

- PROJECT INFORMATION:** Includes fields for CLIENT NAME (City of San Diego), PROJECT NAME (Project 1), LOCATION, PREPARED BY, DATE (5/1/2016), and WATER TYPE (Well Water).
- MEASUREMENTS:** Includes PRESET UNITS (CGS, Metric, U.S.), TEMPERATURE (Deg F), FLOW RATES (Gal/min), and MASS UNITS (lb). There is an "Enter" button.
- COMMENTS (OPTIONAL):** A large text area for entering comments.
- TOTAL CASES (1 AVAILABLE):** A table with columns for Cases and Modified Date. The table shows one case with ID 1 and a modified date of 5/27/2016. Below the table is a "Selected Case Description" field.



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