ALPHA WATER & POWER

ScaleShield Low Ph Cleaner

Membrane Cleaner

ScaleShield Low Ph Cleaner is a heavy duty action low Ph liquid cleaner that quickly and easily mixes with water to make an easy-to-use cleaning solution that effectively removes a wide range of inorganic scale such as metal hydroxides, carbonates, phosphates and inorganic membrane foulants from reverse osmosis (RO), nanofiltration (NF), and ultrafiltration (UF) membrane elements. Use alongside ScaleShield High Ph Cleaner for a comprehensive cleaning.

Features

- Removes scale due to hardness.
- Heavy duty action broad spectrum cleaning.
- Ideal for the removal of acid-soluble scale including iron, calcium carbonate and metal oxides.
- Liquid formulation for ease and safety of mixing.
- Compatible with RO, NF, and UF membranes from all major manufacturers.
- Certified under NSF/ANSI Standard 60 for drinking water production.

Dilution Ratio

Perform a thorough low-pressure system flush. Prepare each cleaning solution as a 1:40 mixing ratio of neat cleaner to final prepared cleaning solution by filling the CIP tank with the appropriate volume of permeate or DI water, then adding chemical while mixing or circulating in the tank. If the system is undrained post-flush, assume approximately 4 gal of water remains in each 8”x40” membrane element (1 gal per each 4”x40”). Rinse completely after each cleaner.

Specs

Appearance:	Product pH (1%):
Colorless to Yellow Liquid	2.7 ± 0.9

Application

Clean when the train’s normalized productivity has decreased 15% from clean operation. Soak and circulation times will vary based on membrane condition. Monitor and maintain recommended pH throughout cleaning by adding neat chemical, if necessary. Document each step with results to empirically fine-tune your procedure.



NSF/ANSI 60

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