

ScaleShield Silica Cleaner

Membrane Cleaner

ScaleShield Silica Cleaner is a targeted liquid cleaner that quickly and easily mixes with water to make an easy to use cleaning solution that is specifically formulated for removing aluminum, iron, and other metal silicates, reactive and colloidal silicate foulants, silicates and coagulated polymers. Use alongside our ScaleShield Prime line of antiscalants for comprehensive membrane protection.

Features

- Targeted performance silica cleaner.
- Specifically formulated for removing aluminum, iron, and other metal silicates.
- Removes reactive and colloidal silicate foulants and coagulated polymers.
- 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:
Clear Colorless
Liquid

Product pH (1%):
4.2 ± 1.2

Application

Clean in the following order ScaleShield High Ph Cleaner: ScaleShield Low Ph Cleaner: ScaleShield Silica Cleaner. 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. **Ensure inorganic scale is removed prior to using ScaleShield Silica Cleaner.**

