

BETAGARD 6520

High pH Membrane Cleaner

Description

Foulants accumulation on membrane surface is the major cause of Reverse Osmosis system failure. Membrane fouling is a common phenomenon involving the deposition of different but related types of foulants on membrane surface. Betagard 6520 is an alkaline cleaner specifically designed for cleaning Reverse Osmosis system. It effectively cleans colloidal particles, bio-film and organic foulants. Betagard 6520 is commonly used in conjunction with Betagard 6510, which is an acidic cleaner, to give thorough cleaning processes in Reverse Osmosis system. Both Betagard 6520 and Betagard 6510 will restore the cleanliness of membrane surface and therefore prolong membrane self-life. Betagard 6520 should be the first step in any cleaning regime. Features:

- Alkaline liquid for the removal of biological, organic, and colloidal fouling without damaging sensitive polyamide composite membrane elements.
- Effective for removal of emulsified oils and silica. It is to be used after the system shows a sign or performance loss or as a preventive cleaning.

Properties

Appearance	Clear to slightly coloured strongly alkaline liquid.
Specific Gravity	1.06 – 1.16
pH	>12

Dosage and Feeding

Betagard 6520 should be mixed in a cleaning tank equipped with a mechanical mixer, low pressure recirculation pump, and cartridge or bag filters.

This cleaner works best when applied at a temperature of 40 oC – 45 oC, a pH of 11.5, and at a flow rate of 8 – 10 gpm per 4" pressure tube or 30 – 40 gpm per 8" pressure tube at a pressure of between 20 – 50 psi. For Silica fouling, use at pH of 12. Use caution as pH of above 12 may damage membrane elements. Consult your membrane manufacturer for acceptable pH cleaning range. Dilute 1 part of Betagard 6520 to 10 parts RO permeate water or DI water. Check and adjust pH if necessary. Add Sulfuric or Hydrochloric Acid to decrease the pH and add more Betagard 6520 to increase the pH. Recirculation solution for 1 hour, checking pH regularly. Shut down pump and soak for 1 hour. After soak, recirculate for an additional 20 minutes and then rinse.

Handling and storage

Betagard 6520 is an alkaline liquid and special care should be taken on handling the concentrated form, Avoid contact with eye, skin or clothing. In case of accidental splash – flush with plenty of water. In case of eye contact, obtain medical attention as a safety measure

Packaging

In plastic container with net weight 30Kg.

BETAGARD

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