

Sanitizer for Reverse Osmosis Systems

Description

Flocon B38 is a fast acting high performance biocide for application as a sanitizer in reverse osmosis systems.

Flocon B38 can also be added to the feed water flow for predetermined times in between episodes of system sanitization to control bio-film growth.

Reverse osmosis membranes are susceptible to contamination by waterborne micro-organisms which ultimately leads to fouling of the membrane surface and results in reduced membrane performance. Biofilm organisms may irreversibly damage the membrane by degrading the membrane polymer itself. Microorganisms attached to the membrane surface can also act as nucleation sites for scale and other deposit formation. Periodic removal of biofilm is therefore necessary to ensure optimal membrane efficiency.

Application

Flocon B38 is a high performance sanitizer ideal for use in reverse osmosis systems, offering several beneficial features:

- Fast acting
- Effective at low concentrations
- Effective against a broad spectrum of microorganisms
- Compatible with thin film composite membranes
- Non-corrosive at in-use concentrations
- Rapidly breaks down in the environment, susceptible to heat, light and pH

Usage

- Remove biological or organic fouling from the membranes or other parts of the system with an appropriate cleaner.
- Flush the system with permeate water.
- Remove inorganic scales/mineral deposits with appropriate cleaners before sanitizing the membranes.
- Prepare a 400 mg/l solution of Flocon B38 by dissolving 10mls (0.34 oz) of Flocon B38 in 25 liters of permeate water. Fill the entire water circuit to be sanitized with the dilute solution of Flocon B38 and circulate for 30 minutes.
- Rinse the system with permeates to remove the residues of the product, diverting the rinse water to drain.
- Do not re-use sanitizing solutions.

*Please consult with your BWA Water Additives representative to determine optimal dosage recommendations for your system.

Packaging / Weight

Pail	45 lb	20.4 kg
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*Consult your sales representative for availability.

Physical Properties

Appearance	Colorless to amber liquid
Specific gravity	1.04 to 1.08 at 25°C
Flash point (open cup)	> 200°C
Solubility in water	approximately 40% as product

Further details are available in the safety data sheet



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