

Product Information

Flocon® MC20 - Powder Acid Cleaner for Reverse Osmosis Systems

Product Description

Flocon MC20 is a powdered acid pH cleaner specifically formulated to dissolve and remove inorganic scales from polyamide, polysulfone, and thin film composite membrane surfaces. These scales include, but are not limited to carbonates, iron, and manganese fouling/deposits. This advanced, high strength cleaner has the following features:

- Formulated with high performance polymers.
- Highly effective at ambient or elevated temperatures
- Compatible with all membranes except cellulose acetate
- Easy to rinse away and restart system
- pH adjusted to 2±0.5

Typical Properties

The following are typical properties for Flocon MC20 and should not be regarded as specification limits for the product. A product specification is available on request.

Appearance	off white granular powder
Odour	slight
pH (1% solution)	<2
Bulk Density	2.1

Cleaning and Use Instructions

1. Inspect cleaning tank, hoses and cartridge filters, and drain the reverse osmosis system as much as possible.
2. Fill cleaning tank with demineralised or permeate water. Add 5 gal (19 litres) for every 4" element, 20 gal (76 litres) for each 8" element
3. Recirculate cleaning tank solution and slowly add 1lb Flocon MC20 for every 9 gallons of water (or 15 grams/litre).
4. To improve cleaning effectiveness heat cleaning solution (do not to exceed 110°F (43°C)).

5. Open concentrate valve, and circulate the solution through the membrane bank in the feed direction at the flow rate recommended by the membrane or system manufacturer. If the manufacturer's recommendations are not available, the guidelines in the table below may be used.
6. Circulate the solution for 60 minutes.
7. Soak for an additional 60 minutes.
8. If the cleaning solution becomes turbid or discoloured, the solution should be discarded and a fresh solution should then be prepared before cleaning additional passes.
9. Discharge solution to drain and rinse the RO system.
10. Return concentrate valve to operating position, and operate RO to drain until permeate solution quality returns.

Membrane diameter (inches)	Flow rate per tube (parallel flow)	
	US gallons/min	l/min
4	6	23
6	14	53
8	24	91
10	30	114
12	54	204

Handling and Logistics

Please read the label and Safety Data Sheet before handling this product.

Classification	Hazardous for transportation (Class 8) Causes burns to eyes and skin Harmful if swallowed
Packaging	Plastic pail Net weight 50 lbs (22.68 kg) Gross weight 53 lbs (24.04 kg)