

Flocon® MC15 - Liquid Alkaline Cleaner for Reverse Osmosis Systems

Product Description

Flocon MC15 is a liquid high pH cleaner specifically formulated to remove organics, silt and other particulate deposits from polyamide, polysulfone, and thin film composite membrane surfaces.

This advanced, high strength cleaner has the following features:

- Formulated with high performance polymers.
- Liquid formulation for easy handling and diluting
- Highly effective at ambient or elevated temperatures
- Compatible with all membranes except cellulose acetate
- Easy to rinse away and restart system
- pH adjusted to 12±0.5

Typical Properties

The following are typical properties for Flocon MC15 and should not be regarded as specification limits for the product. A product specification is available on request.

Appearance	amber liquid
Odour	slight
pH (1% solution)	> 12
Specific Gravity	1.1

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 1gallon Flocon MC15 for every 60 gallons of water (or 1 litre/60 litres).
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 system 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) Corrosive to eyes and skin
Packaging	Plastic pail Net weight 45 lbs (20.41 kg) Gross weight 48 lbs (21.77 kg)

Patents

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