

## Membrane Cleaner for Inorganics

### Description

Flocon MC3 is a low pH formulation that has been designed specifically to remove metal hydroxides, calcium carbonate and other similar scales from polyamide, polysulfone and thin film, composite membrane surfaces. This advanced, high strength powder has the following features:

- pH adjusted to 3.0+ 0.5
- Highly effective at ambient temperatures
- Contains no surfactants and is quickly rinsed away
- Contains organic acids, detergent builders and chelating agents

### Application

Flocon MC3 is suitable for use with all polyamide, polysulfone and thin film, composite membranes. It can be used at temperatures from 15°C (60°F) up to the maximum recommended by the membrane manufacturer.

The standard dilution ratio is 25 grams of Flocon MC3 per liter of water.

### Cleaning Instructions

- Inspect cleaning tank, hoses and cartridge filter. Install new filter elements.
- Fill cleaning tank with RO permeate.
- Slowly add 25 grams of Flocon MC3 for each liter of cleaning tank capacity.
- Thoroughly mix cleaning solution by using a mixer or circulating it through the cleaning pump.
- The solution may be heated to improve cleaning effectiveness.
- Do not exceed the membrane manufacturer's temperature limits.
- Circulate the solution through the membrane bank in the feed direction for one hour at the flow rate recommended by the membrane or system manufacturer. If the manufacturer's recommendations are not available, the following guidelines may be used.

### Usage

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

#### Spiral wound membrane

Membrane diameter (inches)	Flow rate per tube (parallel flow) l/min (US gallons/min)
4	23 (6)
6	53 (14)
8	91 (24)
10	114 (38)
12	204 (54)

#### Hollow fiber membrane

Membrane diameter (inches)	Flow rate per element (parallel flow) l/min (US gallons/min)
4	19 (5)
8	57 (15)
10	76 (20)

- In cases of heavy fouling, the first return flow (up to 15% of the cleaning tank volume) should be diverted to drain to prevent redeposition of removed solids.
- In multi-pass systems, best results will be achieved if each pass is cleaned separately.
- The solution should be discarded if it becomes turbid or discolored by removed material. A fresh solution should then be prepared before cleaning additional passes.
- Rinse with permeate before returning the system to service.

Further details are available in the safety data sheet

### Packaging / Weight

Pail                      22 lb                      10 kg

\*Consult your sales representative for availability.



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