

# Flocon<sup>®</sup> MC20

www.wateradditives.com



## Powder Acid Cleaner for Reverse Osmosis

### 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

### Usage

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

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

### Physical Properties

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

Further details are available in the safety data sheet



## Americas

1979 Lakeside Parkway,  
Suite 925  
Tucker, GA 30084, USA  
Phone +1 678 802 3050  
Or 800 600 4523  
Fax +1 678 802 3024  
[Americas@wateradditives.com](mailto:Americas@wateradditives.com)

## Asia Pacific

60, Robinson Road, #12-01  
BEA Building  
Singapore 068982  
Phone +65 9745 3227  
Fax +65 6234 3606  
[AsiaPacific@wateradditives.com](mailto:AsiaPacific@wateradditives.com)

## Europe & Africa

2 Brightgate Way  
Stretford, Manchester M32 0TB  
United Kingdom  
Phone +44 161 864 6699  
Fax +44 161 864 6666  
[Europe@wateradditives.com](mailto:Europe@wateradditives.com)

## Middle East

FZE Dubai Branch  
TechnoPark Jebel Ali  
Block B, Level 1, Office 107  
PO Box 263164  
Dubai, United Arab Emirates  
Phone +971 4 880 7336  
Fax +971 4 880 7404  
[MiddleEast@wateradditives.com](mailto:MiddleEast@wateradditives.com)

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