

Flocon[®] MC30

www.wateradditives.com



Liquid Iron and Other Heavy Metal Oxide Cleaner for Reverse Osmosis Systems

Description

Flocon MC30 is a liquid heavy metal oxide cleaner (including iron) specifically formulated to dissolve and remove these metal deposits/scales from polyamide, polysulfone, and thin film composite membrane surfaces.

This advanced, high strength cleaner has the following features:

- Formulated with high performance chelents and surfactants
- Highly effective at ambient or elevated temperatures
- Compatible with all membranes except cellulose acetate
- Easy to rinse away and restart system
- pH adjusted to 4±0.5

Usage

1. Inspect cleaning tank, hoses, and cartridge filters, and drain the reverse osmosis 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 and slowly add 1 gallon Flocon MC30 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.

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

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

Physical Properties

appearance	Clear to pale yellow liquid
odour	slight
pH (1% solution)	< 2
Specific gravity	1.2
appearance	Clear to pale yellow liquid
odour	slight
pH (1% solution)	< 2
Specific gravity	1.2
appearance	Clear to pale yellow liquid
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

Asia Pacific

60, Robinson Road, #12-01
BEA Building
Singapore 068982
Phone +65 9745 3227
Fax +65 6234 3606
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

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

Patents:

BWA Water Additives (BWA) owns or is the licensee of patents and patent applications, which may cover the products and/or uses described in this brochure.

The following are registered trademarks of BWA Belclene, Belcor, Belgard, Belite, Bellacide, Bellasol, Belsperse, BromiCide, Flocon, Geogard and Liquibrom Drop and Swirl logo. © Registered US Patent and Trademark Office. © 2015 BWA, All rights reserved.

The information contained in this product sheet is based on data available to BWA Water Additives at the time of publication. While BWA has made every effort to ensure this information is correct, no responsibility can be accepted by BWA for any loss or liability occasioned by any person acting or refraining from acting as a result of the contents of this publication. BWA cannot guarantee that the results described in this information will be achieved by others if BWA has not participated in the testing process. BWA therefore makes no warranty of merchantability or fitness for a particular purpose or any express or implied warranty in respect of this information. This information is intended for use by technically trained personnel at their discretion and risk and is not a substitute for specific professional or technical advice. BWA's liability shall be limited by its standard limitations of liability contained within its standard terms and conditions of sale if BWA makes any sales to you.

© 2015 all rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means or stored in any retrieval system without the prior written permission of BWA Water Additives UK Limited. BWA Water Additives UK Limited is a private limited company registered in England and Wales at 2 Brightgate Way, Manchester M32 0TB, Registered No. 5657343.