

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.



LENNTECH

info@lenntech.com Tel. +31-152-610-900

www.lenntech.com Fax. +31-152-616-289

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. © 2016 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.

© 2016 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.