

Flocon[®] MC11

www.wateradditives.com



Membrane Cleaner for Organics and Particulates

Description

Flocon MC11 is a high pH formulation that has been designed specifically to remove organics, silt and other particulate deposits from polyamide, polysulfone and thin film composite membrane surfaces. This advanced, high strength powder has the following features:

- pH adjusted to 10.0± 0.5
- Highly effective at ambient temperatures
- Contains no surfactants and is quickly rinsed away
- Contains detergent builders, chelating agents and pH buffer

Application

Flocon MC11 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 MC11 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 Flocclean MC11 for each liter of cleaning tank capacity.
- Thoroughly mix cleaning solution by using a mixer or by 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
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*Consult your sales representative for availability



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

No. 1 Magazine Road
#04-01, Central Mall Office Tower
Singapore 059567
Phone +65 9745 3227
Fax +65 6234 3606
AsiaPacific@wateradditives.com

Europe

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

MENA

DMCC Dubai Branch
Office 1802, Level 18
Jumeirah Bay X3 Tower, Cluster X
Jumeirah Lake Towers
P.O. Box 263164, Dubai, UAE
Phone +971 4 880 7336
Fax +971 4 880 7404
MiddleEast@wateradditives.com

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