Zefa Valindo Jaya

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PRODUCT DATA

AQUARIGHT MBC 11

Membrane Cleaner For Organics And Particulates

DESCRIPTION AND USE

AQUARIGHT MBC 11 is a high pH formulation that has been designed specifically to remove organics, silt and other particulate deposit from polyamide, polysulfone and thin film composite membrane surfaces. This advanced, high strength powder has the following features:

- Highly effective at ambient temperatures.
- Contains no surfactants and is quickly rinsed away.
- Contains detergent builders, chelating agents and pH buffer.

GENERAL SPECIFICATION

Appearance	: Colorless to white
Spesific Gravity	: 0,86
Odor	: Odorless
Solubility	: Slightly soluble

DOSAGE REQUIREMENTS

AQUARIGHT MBC 11 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 gram / liter of water.
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CLEANING INSTRUCTIONS

- Inspect cleaning tank, hoses and cartridge filter, install new filter elements. Fill cleaning tank with RO permeate.
- Slowly add 25 grammes of AQUARIGHT MBC 11 for each litre of cleaning tank capacity.
- Thoroughly mix cleaning solution by using a mixer or by using a mixer or by circulating it through the cleaning pump.
- The solution may be heated to improve effectiveness.
- Do not exceed the membrane manufacturer's temperature limits.
- Circulate the solution through the membrane bak 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.

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Spiral wound membrane

Membrane diameter (inches)	Flow rate per tube (parallel flow) l/m (US gallons)/min)
5	23 (6)
7	53 (14)
9	91 (24)
11	144 (38)
12	204 (54)

Hollow fibre membrane

Membrane diameter (inches)	Flow rate per element (parallel flow) l/m (US gallons)/min)
5	19 (5)
8	57 (15)
11	76 (20)

In case 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 result will be achieved if each pass is cleaned separately. The solution should be discarded if it becomes turbid or discoloured by removed material. A fresh solution should then be prepared before cleaning additional passes.

Rinse with permeate before returning the system to service.