

MC 103

MEMBRANE CLEANER

DESCRIPTION:

MC 103 is a general-purpose membrane cleaner for use in RO systems. It is a proprietary cleaning formulation and is effective in the removal of organic matter and foulants and inorganic colloids. MC 103 contains chelants for iron, magnesium, copper, aluminum, manganese, zinc, barium and calcium sequestration.

GENERAL APPLICATION:

MC 103 is a neutral product and should be used in combination with other acidic KML MC cleaning formulations when cleaning metallic scales or foulants from the membrane. MC 103 should be charged to the chemical cleaning solution tank at the rate of 1 gallon / 10 - 20 gallons of oxidant-free permeate water. For thin-film membranes, the pH of the cleaning solution should typically be adjusted to 2.0 by the addition of dilute HCl. For cellulose acetate membranes the pH of the cleaning solution should typically adjusted to 4.0 by the addition of dilute HCl. The cleaning procedure must be performed in accordance with all recommendations and guidelines of the membrane manufacturer.

ADVANTAGES:

- Supplement for cleaning metallic foulants and deposits
- For use on both cellulose acetate and thin film membranes.

Typical Product Characteristics

Appearance	Clear Amber liquid
Density at 25°C	1.28 g/ml
Weight per US gallon	10.7 lbs./gal
pH of product	6 - 7

PACKAGING & HANDLING:

MC 103 is available in non-returnable 55-gallon DOT approved plastic containers.

SAFETY & HANDLING:

Improper handling of this product can be injurious to workers. Observe all safety precautions shown on the label and in the Material Safety Data Sheet. Wear proper protective equipment listed on the MSDS. Follow the instructions of your KML Representative in the proper use of this product.

