

MC 102

MEMBRANE CLEANER

DESCRIPTION:

MC 102 is a highly concentrated proprietary membrane cleaner. MC 102 is effective in the removal of calcium carbonate, calcium sulfate, barium sulfate and strontium sulfate on the membrane surface. MC 102 is also effective in sequestering iron and copper. MC 102 also contains a dispersant to aid in flushing contaminants from the membrane and feedwater spacer surfaces. MC 102 may be used with both thin film composite and cellulose acetate membranes.

GENERAL APPLICATION:

MC 102 should be charged to the chemical cleaning solution tank at the rate of 1 gallon per 10 – 20 gallons of permeate water. For thin-film composite membranes, the pH of the cleaning solution should typically be adjusted to 2.5 by the addition of dilute hydrochloric acid. For cellulose acetate membranes the pH of the cleaning solution should typically be adjusted to 4.0 by the addition of the dilute hydrochloric acid. The cleaning procedure must be performed in accordance with all membrane manufacturer recommendations and guidelines.

ADVANTAGES:

- Especially effective against calcium carbonate and calcium sulfate deposits
- Effectively removes oxides of iron and manganese
- For use on both thin film composite and cellulose acetate membranes

Typical Product Characteristics

Appearance	Clear liquid
Density at 25° C.....	1.06 g/ml
Weight per US gallon	8.8 lbs./gal
pH of product	2.5

SAFETY & HANDLING:

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

PACKAGING:

MC 102 is available in non-returnable, 55 gallon, DOT approved plastic containers.

