

Hypersperse™ MDC220

Antiscalant/Antifoulant

- Excellent results as a replacement for softener-filters
- Compatible with Solisep™ MPT150 coagulant
- Classified for use in producing potable water. (Classified to ANSI/NSF Standard 60)
- Effectively controls scales including calcium-carbonate up to LSI +3.0, calcium sulfate, barium sulfate, and strontium sulfate
- Compatible with all of the leading RO membranes
- Maintains cleaner membrane surfaces by dispersing particulate foulants
- Effective over a wide pH range
- May be fed neat or diluted
- Good tolerance to aluminum and iron oxides

Description and Use

Hypersperse™ MDC220 is a highly effective liquid antiscalant/antifoulant developed to control scale precipitates and reduce particulate fouling within membrane separation systems. Use of this product provides longer run times and extended element life resulting in reduced operating and capital costs. Years of use in industrial applications show excellent results in membrane separation processes including reverse osmosis (RO), nanofiltration (NF) and ultrafiltration (UF) applications.

Packaging Information

Hypersperse MDC220 is a liquid material, available in a wide variety of customized containers and delivery methods. Contact your GE Infrastructure Water & Process Technologies sales representative for details.



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Application

For maximum effectiveness, Hypersperse MDC220 should be added prior to the static mixer or cartridge filter housing.

For potable applications, the maximum dosage is 10 mg/L. Maximum dilution is 10% with RO permeate or DI water.

Dosing

Typical dosage range is between 2 and 6 mg/L.

Important Note: Over and under-dosing may cause membrane fouling so please contact your local GE representative to define the optimal feedpoint and dosage rate.

Maximum Dilutions

Maximum dilution is temperature related as shown below.

| <u>Temperature, °C</u> | <u>Maximum Dilution, %</u> |
|------------------------|----------------------------|
| <30 | 10 |
| 30-35 | 25 |
| >35 | 50 |

Safety Precautions

A Material Safety Data Sheet containing detailed information about this product is available on request.

LENNTECH

info@lennotech.com Tel. +31-152-610-900
www.lennotech.com Fax. +31-152-616-289