



TRICLEAN 211 CLEANER ADDITIVE

- Can be added to TriClean 210 to aid in sulfate scale removal.
- Surfactant additive to TriClean 217 improves removal of polymers and emulsified oil.

PROBLEM

In many installations worldwide, RO membranes can become fouled with sulfate scale, polymers, and/or manganese dioxide. These foulants can quickly lead to a loss of system performance associated with a decrease in permeate flow, and increase in differential pressure, and a loss of element rejection. If left unchecked, this fouling can permanently damage the membrane elements leading to costly and premature membrane replacement.

SOLUTION

TriClean 211, when used in conjunction with TriClean 210 or TriClean 217, removes sulfate scale, polymer fouling, and/or manganese dioxide without damaging sensitive polyamide composite membrane elements.

APPLICATION

TriClean 211 should be mixed in a cleaning tank equipped with a mechanical mixer, heater, low pressure recirculation pump, and cartridge or bag filter. This cleaner works best when applied at a flow rate of 8-10 gpm per 4" pressure tube or 30-40 gpm per 8" pressure tube at a pressure of between 20-50 psi. Add 1 gallon of TriClean 211 per 100 gallons of RO permeate or DI water. Recirculate solution for 1 hour checking pH regularly. Shutdown pump and allow to soak for 1 hour. After soak, recirculate for an additional 20 minutes and then rinse.

PACKAGING

TriClean 211 is shipped as a liquid in ½ gallon, 10 x ½ gallon, 5 gallon, and 55 gallon plastic containers. Pricing is F.O.B. our factory in Goleta, CA. Delivery for most orders is 1-2 days after receipt of order.

MSDS SHEETS

For the most up to date information on MSDS sheets, please contact our web site at www.trisep.com