

RoClean L212 is a high pH liquid cleaner designed to remove silt and organic foulants such as colloidal silica, clays, organic colour and bacterial slime from spiral wound thinfilm membranes. It is especially effective in removing solids trapped in element feed spacers. RoClean L212 is buffered to prevent the pH limits of a membrane being exceeded in the event of misapplication.

Performance

RoClean L212 offers a variety of performance benefits:

- **Compatible with the major membrane suppliers membranes.**
- **Superior results compared to generic formulations.**
- **Contains a proprietary blend of buffers, surfactants and chelants to dissolve organic foulants and disperse colloidal particles.**
- **Highly buffered to resist pH changes during the cleaning process.**
- **Can be used in conjunction with other applicable cleaners as shown in the Avista cleaner selection guide.**

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Instructions for Use

For moderate to severe fouling, RoClean L212 should be applied at a nominal strength of 2%w/v. For milder fouling, or where frequent cleaning is employed, satisfactory results may be achieved at 1% w/v.

The cleaning solution should be recirculated at the flow rate recommended by the membrane manufacturer, taking care not to exceed the guidelines for pressure. Avista Technologies recommend the following flowrates for cleaning spiral wound elements:-

Element Diameter	Flowrate
4" (100mm)	40 lpm
8" (200mm)	150 lpm

Temperature

Where possible, apply the cleaning solution at the maximum temperature recommended by the membrane manufacturer

Packaging

RoClean L212 is available in 20kg pails and 200kg drums. Other packaging is available on request.

Properties

Appearance	Colourless to amber liquid
pH at 2% solution	11.8-12.2
Specific Gravity	1.15 ± 0.05