

RoClean P303 is a powdered cleaner designed to remove metal foulants such as iron, manganese, and aluminium and to remove calcium carbonate scale deposits from thin film composite membranes. RoClean P303 is buffered to prevent the pH limits of a membrane being exceeded in the event of misapplication. RoClean P303 can be used on cellulose acetate membranes.

Performance

RoClean P303 offers a variety of performance benefits:

- **Compatible with the major membrane suppliers.**
- **Superior results in the removal of metals and calcium carbonate scale, especially when compared to generic formulations.**
- **Contains a specialised blend of proprietary blend of buffers, chelants, surfactants, and dispersants.**
- **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 P303 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 P303 is available in 20 Kgs pails. Other packaging is available on request.

Property	Analysis
Appearance	Fine white Powder
pH at 2% solution	2.5 – 3.5
Density	1.0 –1.1 kg/ litre