

Product Information

Flocon® 135 - Antiscalant for Reverse Osmosis Systems

Product Description

Flocon 135 is an aqueous solution of a specialised phosphinocarboxylic acid, highly effective in controlling the deposition of inorganic scale forming salts on membrane surfaces.

- Excellent control of carbonate and sulphate scales for cost effective operation
- Compatible with all major membranes
- International potable water approvals
- Dispersant
- Iron tolerant

Typical Properties

The following are typical properties for Flocon 135 and should not be regarded as specification limits for the product. A product specification is available on request.

Appearance	pale yellow liquid
pH	3.5 to 4.5
Specific gravity at 20/20°C	1.17 to 1.20
Freezing point range	0 to -3 °C

Chemical Reactivity

Flocon 135 is not affected by chlorine or other oxidising biocides under normal conditions of use. Flocon 135 may be used in membrane systems using chlorine and sodium metabisulphite.

Application and Dose Level

Flocon 135 is an aqueous solution of an organic acid and as such is corrosive in its concentrated form. Corrosion resistant dosing equipment should therefore be used. Examples of suitable materials are 316L stainless steel, or plastics such as GRP, PVC and PE.

Flocon 135 is miscible with water in all proportions. It may be applied as the neat product, or as a solution in permeate. A minimum dosing solution strength of 10% w/w is recommended. Flocon 135 should be dosed continuously and proportionately to the feed water flow, to maintain the recommended dose level.

The dose level required is dependent on the quality of the feedwater and the saturation indices of the various scale forming species present in the concentrated brine. Proprietary computer software is used to calculate scaling indices and calculate optimum system recovery. Dose level projections and recommendations are available on request.

Handling

Flocon 135 is certified to ANSI / NSF Standard 60 for use in reverse osmosis systems producing potable water.

Please read the label and Material Safety Data Sheet before handling this product.

Logistics

Classification Non-hazardous for conveyance
Non-irritant for supply

Packaging 25 kg (net weight) Plastic drums
230 kg (net weight) Plastic drums
1000 kg (net weight) Intermediate bulk containers