

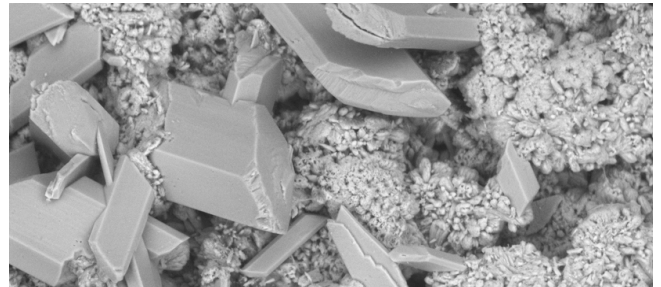


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## Genesys LH

### Broad Spectrum Antiscalant & Antifoulant

Genesys LH is a broad spectrum antiscalant & antifoulant for use in brackish water Reverse Osmosis and Nano-Filtration systems. This phosphonate based product is effective against a wide range of inorganic scaling species and also sequesters trivalent metal cations such as iron, manganese and aluminium thus reducing the frequency of membrane replacement and cleaning. Genesys LH allows systems to be designed and operated at their optimum recovery rates, reducing the amount of feed water used and concentrate to be discharged. Consequently significant savings can be made with both capital and operational costs.



Inhibits Scale Formation



Prevents Iron Fouling

#### Application

Genesys LH should be dosed continuously to the feed water upstream of the cartridge filters.

Typical dosage rates are 4-8 mg/l.

The optimum dosage rate can be calculated using the Genesys Membrane Master® software. Genesys LH can be diluted and is fully miscible with water in all proportions.

#### Health and Safety

Genesys LH is an aqueous solution of neutralised phosphonic acid that has been classified as safe to use in potable water applications. Genesys LH is compatible with carbon steel and all commonly used materials of construction.

A material safety data sheet is available on request.

#### Classification

Not Classified

#### Packaging

Available in 25 kg kegs, 240 kg drums and 1,100 kg IBCs.

Genesys LH shelf life is two years under normal conditions of storage.

#### Typical properties

Appearance: pale liquid  
pH as supplied: 9.7 – 10.3  
Specific gravity: 1.13 – 1.15  
Freezing point: < -2°C

- ✓ Suitable for Reverse Osmosis (RO) and Nano-Filtration (NF) membranes
- ✓ Excellent iron fouling inhibitor
- ✓ Compatible with all polyamide membranes
- ✓ Allows high recovery rates
- ✓ Drinking water approval
- ✓ Negligible impact on AOC levels
- ✓ Replaces acid addition
- ✓ Inhibits common scales
  - Calcium carbonate/sulphate
  - Calcium phosphate
  - Barium/Strontium sulphate
  - Silica
  - Iron/Manganese

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