

# FLOWSCALE

# HR<sup>3</sup><sub>5</sub>

**Designed to protect your membranes and improve performance in the toughest water conditions**

- Engineered for use with Reverse Osmosis (RO) and Nano-Filtration (NF) membranes
- Approved NSF certified ingredients for potable water applications
- Fully compatible with all polyamide membranes
- Potentially eliminates the need for acid addition
- Enables high recovery ratios
- Utilises straightforward testing methods
- VOC-free chemistry
- Super concentrate ensures lower dosage
- Effectively suppresses common scale-forming species, including:
  - High-Silica Applications
  - Calcium carbonate/sulphate
  - Barium/Strontium sulphate
  - Calcium phosphate
  - Iron/Manganese

FLOWSCALE HR35 is available in several packaging formats, including: **15L, 200L & 1000 IBC's**

This product maintains its efficacy < 24 months



# ULTRA Antiscalant

## Broad Spectrum RO Membrane Antiscalant and Antifoulant

### Product Overview and Key Benefits

FLOWSCALE HR35 was engineered as an antifouling agent for Reverse Osmosis and Nano-Filtration systems that process **high-silica** waters. It effectively minimises silica deposits while counteracting scaling from common salts such as calcium carbonate, calcium, barium, and strontium sulphate. By addressing both silica build-up and scaling issues, the product enables system designers to achieve higher recovery ratios, thereby reducing both the volume of feed water needed and the amount of waste concentrate produced. This optimisation can result in substantial savings in both initial capital outlay and ongoing operating expenses.



**Biodegradable Ingredients** – An eco-friendly solution that helps reduce environmental impact while maintaining peak performance.



**Ideal for Hard Water & High Silica Applications** – Effectively combats scaling and fouling in challenging conditions, ensuring smoother operations.



**Longer Membrane Life** – Provides superior protection and longevity to your valuable assets.



**Proprietary Green Chemistry** – Our unique blend uses sustainable, green chemistry to provide exceptional results with minimal environmental footprint.



**Green for the Environment** – Our commitment to sustainability ensures that your processes are cleaner and safer for the planet.

### Usage and Dosage Recommendations

For optimal performance, FLOWSCALE HR35 should be continuously introduced into the feed water ahead of the cartridge filters. Standard recommended dosage levels typically range from 2–15 mg/l however, the precise dosage can be calculated using the **Flowio Projection Software**. Moreover, the product is fully water-miscible, allowing for dilution in any ratio.

### Our Eco-friendly Blend is Engineered for Safety & Sustainability

Classified as non-hazardous, it is non-corrosive to carbon steel and other standard construction materials, making it suitable for use in sensitive environments. It offers high performance without compromising on environmental or occupational safety. A Material Safety Data Sheet is available upon request.

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