



Genesys Reverse Osmosis chemicals have been specifically designed to improve the all round performance of Reverse Osmosis Plants enabling them to operate efficiently even in areas where feed waters are challenging.

General details of the products available are as follows. Detailed specifications and application information being available on request:-

Chemical	Application	Description
Genefloc GPF Flocculant Packaging: 25Kgs	Improved performance of RO pre-filtration equipment	A general -purpose flocculant for use in surface, well and process waters with medium to high SDI values. Genefloc GPF should be dosed continuously to feed water allowing at least 5 minutes contact time before filtration. Typical dose rate of Genefloc GPF is 1-4mg/l.
Genesol 37 Packaging: 25Kgs	Reverse Osmosis Low pH Membrane Cleaning	An inorganic strongly acidic cleaner effective for removal of inorganic scale and iron deposits in Reverse Osmosis and Nano-filtration membrane systems. Genesol 37 is highly effective when used as a 1-2% solution and alternately soaked and recycled through the membrane system for 1-2hours. At this concentration, its self-adjusting pH ensures highest solubility of iron deposits, inorganic scales and proteinous deposits.
Genesol 38 Packaging: 25Kgs	Reverse Osmosis Low pH Membrane Cleaning	An inorganic scale cleaner and iron deposit remover for use in Reverse Osmosis and Nano-filtration membrane systems. Used at the right concentration, its self-adjusting pH ensures highest solubility of iron salts is achieved. Genesol 38 is highly effective when used as a 3-4% solution and alternately soaked and recycled through the membrane system for 4-6hours.
Genesol 80 Packaging: 25Kgs	Reverse Osmosis, Nano-filtration and Ultrafiltration Membrane Cleaner - Targets Biofilm	A highly effective biofilm cleaner for Reverse Osmosis, Nano-filtration and Ultrafiltration membrane systems.. Biofilm predominantly consists of materials secreted by bacteria under stress. Genesol 80 can be used offline as part of the normal membrane CIP procedure at a concentration of 2% v/v. It can also be applied continuously online with a dose rate of 10-40mg/l depending on the severity of the biofouling or on intermittent basis every 4-8 hours at 10-80mg/l to inhibit biofilm formation and maintain a clean membrane surface.
Genesol 701 Packaging: 25Kgs	Reverse Osmosis Low pH Membrane Cleaning with microbubble technology	An inorganic scale cleaner and iron solvent for Reverse Osmosis and Nano-filtration membrane systems. Highly effective at removing of inorganic foulants, such as iron and calcium carbonate and also has proven efficacy against removing membrane biofilms due to its microbubble capability which agitates and lifts membrane foulants away from the surface increasing cleaning efficiency. Genesol 701 should be used as a 1-2% solution, alternately soaked and recycled through the membrane system for 1-2 hours. When using Genesol 701, the cleaning solution pH will stabilize at pH 2.5 - 3.5.
Genesys 703 Packaging: 25Kgs	Reverse Osmosis High pH Membrane Cleaning	A general-purpose cleaner for organic based foulants found in Reverse Osmosis and Nano-filtration membrane systems with particular application in removal of aluminium silicate. It is highly effective at a solution of 1-2% at the maximum allowable pH recommended by the membrane manufacturer and should be alternately soaked and recycled through the membrane system for 4-6 hours. Cleaning with warm solutions is advised for improved efficiency. After cleaning, the membrane system should be thoroughly flushed out until the pH values of the feed and discharge are the same.
Genesys 704 Packaging: 25Kgs	Reverse Osmosis High pH Membrane Cleaning	A general-purpose cleaner for a wide range of organic based foulants found in Reverse Osmosis and Nano-filtration membrane systems. Genesol 704 is particularly effective against aluminium silicate, which can be difficult to remove with conventional cleaners. It is also effective against most micro-organisms such as bacteria, fungi and algae. Genesol 704 should be used as a 1-2% solution at the maximum allowable pH recommended by the membrane manufacturer. It should be alternately soaked and recycled through the membrane system for 2-4 hours.
Genesys LF Packaging: 25kg	Reverse Osmosis Antiscalant Pre-Treatment	A broad spectrum liquid antiscalant for use in Reverse Osmosis and Nano-filtration systems. It is effective at preventing inorganic scale, particularly calcium carbonate, iron and silica thus reducing the frequency of membrane replacement and cleaning. Genesys LF should be dosed continuously to the feed water upstream of the cartridge filters. Typical dosage rates are 2-5 mg/l.
Genesys SI Packaging: 25kg	Reverse Osmosis Antiscalant Pre-Treatment	An antifoulant for use in Reverse Osmosis and Nano-filtration systems operation on high silica feed-waters. Genesys Sel is also effective against all common scale forming salts such as calcium carbonate, calcium, barium and strontium sulphate. Genesys SI should be dosed continuously to the feed water upstream of the cartridge filters. Typical dosage rates are 2-5mg/l.
Genesys RC Packaging: 25kg	Reverse Osmosis Antiscalant Pre-Treatment	A broad spectrum antiscalant and antifoulant for use in small and recycling Reverse Osmosis and Nano-filtration systems with less than 100m ³ /day of feed water flow. Genesys RC is effective at preventing all inorganic scale formation thus reducing the frequency of membrane cleaning and replacement. Genesys RC allows systems to be designed and operated at higher recovery rates. Genesys RC should be dosed continuously to the feed water upstream of the cartridge filter. Typical dosage rates are 7-15mg/l.