

ATLANTIC WATER TECHNOLOGY LTD

A-50 De-chlorinating and anti-bacterial agent for Reverse Osmosis R/O Water Treatment Plant.

GENERAL DESCRIPTION:

A-50 is an inorganic solution proven to inhibit growth of bacteria in water. It is designed to possess the longest possible storage life to effect a continuously efficient prevention of bacterial colonies in membranes specially during shutdown periods. Acid secretions of bacterial colonies on the membrane surfaces cause hydrolysis and will damage the permeators irreversibly. Cleaning cannot solve this situation.

USES:

A-50 being a strong reducing agent is intended to remove strong oxidizing agents in the R/O feed water that will certainly damage spiral wound and hollow fiber permeators. A-50 presence in the feed neutralizes the fouling effect of hydrogen sulfide (H_2S) present in some deep well waters. It inhibits the growth of a great amount of airborne bacteria that may indirectly harm the permeators specially during shutdown periods. Thus, improving the TDS of permeate water maintenance is better than curative cleaning of membranes.

COMPATIBILITY:

Completely suitable or safe for polyamide and thin film composite (TFC) permeators.

APPLICATION DATA:

A-50 is better dosed without dilution. WPSA engineer will give instructions on the proper application of A-50. Its minimum dose rate should be based stoichiometrically on its reactions with the oxidizing agents in the raw water feed stream.

Specific Gravity:	1.34
p.H.	4.2