

ATLANTIC WATER TECHNOLOGY LTD

PRODUCT INFORMATION

A-3060

A-3060

GENERAL DESCRIPTION:

A-3060 is a phosphonate based treatment designed to prevent scale formation on the Reverse Osmosis membrane. A-1020 acts by restricting the growth of crystals of hardness salts thereby retarding their fouling potential.

CAPABILITY:

A-3060 effectively controls scales including calcium carbonate up to LSI + 2.60 and S & DI = 2.0. It can be dosed without acid.

A-3060 offers also other wide range of application benefits up to the following saturation level of the following scaling and fouling parameters: calcium sulphate: 4.9 times saturation, barium sulphate: 50 times saturation and strontium sulphate: 10 times saturation, calcium fluoride: 100 times saturation, silica(SiO₂): 1.5 times saturation, Fe²⁺ up to 4 ppm without O₂ presence.

COMPATIBILITY:

A-3060 is compatible at the levels recommended with the membranes and other components of reverse osmosis plants and systems.

A-3060 has been applied with success since 1987 and it has been approved by many of the leading membranes manufacturers of the world.

APPLICATION DATA:

A-3060 should be dosed on a continuous basis either directly from the container or diluted with clean low hardness water such as softened or distilled quality. Dilute solutions are stable and may be prepared to last several weeks. The product should be dosed to the feed water on the basis that when concentration of the water soluble salts are taken into consideration.

Dosing guideline. This will usually mean a normal dose rate of 2-9 ppm in the feed water. Local engineers will advise according to the water feed analysis and R.O. system design.

Undiluted A-3060 may be applied by steel or by plastic dosing equipment.

TECHNICAL DATA:

Appearance :	pale yellow liquid
Specific gravity :	1.13 ± .01
pH as supplied :	10 - 11
Flash point :	non-flammable

Packaging : 25 and 200 litres containers

Transportation : non-hazardous

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HEALTH & SAFETY INFORMATION

A-3060 (as supplied)

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POTENTIAL HAZARDS: Harmful in contact with skin and if swallowed.

HANDLING & STORAGE: Avoid contact with eyes.
Avoid extremes of temperature.
Replace cap securely after use.
Recommended storage limit - 2 years

PROTECTIVE REQUIREMENT: Wear gloves and eye/face protection.

SPILL PROCEDURES: Flush to drain with plenty of water.
Observe local disposal regulations.

FIRST AID:

EYES:	Rinse immediately with plenty of water and seek medical advice.
SKIN:	Rinse with plenty of water.
INGESTION:	Wash out mouth thoroughly and drink plenty of water. Seek medical advice.