

AquaMax* IEC151

ion exchange resin cleaner

- Cleans fouled resin
- Improves feedwater quality
- Extends resin life - reduces cost of resin replacement
- Increases resin throughput - saves regenerant
- Easy to apply liquid

description and use

AquaMax IEC151 is a blend of an organic phosphonate and is specially formulated to assist in the restoration of ion exchange resins.

AquaMax IEC151 is designed to solubilise and disperse many metallic and inorganic foulants, including iron, copper, aluminum and hardness salts.

typical applications

Ion exchange resins are subject to fouling by inorganic and organic compounds, which are present to some degree in all waters. Some foulants can be removed by special regeneration procedures, however others require treatment to restore throughput and effluent quality.

Metals, which cause fouling of resin beads, also catalyse decrosslinking of resin, physically degrading it. Iron and copper, which are present in both raw water and condensate streams, act in this manner unless successfully removed. Aluminium, present due to its use as a clarification aid, often brings an organic complex along, so that the resin is fouled internally and blinded externally.

In the situations described above the resin throughput and water quality will suffer increasing system operating costs and decreasing down-stream system reliability.

Water Technologies & Solutions fact sheet

When diluted with the regenerant (brine) AquaMax IEC151 can be used to control contamination of the resin and maintain softener and condensate polisher performance at peak efficiency. The frequency of AquaMax IEC151 application depends on the severity of the contamination problem.

For a severely fouled resin bed, out of service restoration may be required to regain optimum resin efficiency. Air lancing during the application provides excellent solvent contact.

AquaMax IEC151 is also effective in dissolving most precipitated foulants in strong and weak acid cation units, strong base anion units and media filtration units.

treatment and feeding requirements

Your SUEZ representative will work with you to determine the exact feed rate and feed location depending on your system details.

general properties

The physical properties of AquaMax IEC151 are shown on the Safety Data Sheet, a copy of which is available on request.

packaging information

AquaMax IEC151 is a liquid blend and is available in a wide variety of customised containers and delivery methods. Contact your local SUEZ representative for details.

safety precautions

A Safety Data Sheet containing detailed information about this product is available on request.

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