

Ion Exchanger

HASCO water treatment systems have a good reputation In the application of ion exchange techniques for boiler Feed water and process water treatment.

Among the processes, there are base exchange water Softening, de-alkalization and complete demineralization using conventional two bed systems with co-or counter-current regeneration, stratified bed units utilizing combinations of weak and strong resins in the same unit, and mixed bed polishing units with two or three components.

A major development by HASCO systems is a special counter flow regeneration system.

HASCO Water systems also specialized in condensate treatment packages suitable for both internal and external regeneration, using own exclusive designs.

A combination of several techniques such as reverse osmosis, ion exchange, disinfection and microfiltration can be applied in installations to produce ultra-pure water for the electronics or semiconductor industries.



Demineralization

Demineralization is the removal of minerals and nitrate from the water. Demineralisation can be achieved by a variety of methods, and HASCO provide the following technologies: Ion exchange, reverse osmosis, and electro-dialysis.

These methods are widely used for water and wastewater treatment. Ion exchange is primarily used for the removal of hardness ions like magnesium and calcium and for water demineralization. Reverse osmosis and electro dialysis, which are both membrane processes, remove dissolved solids from water using membranes.

