

aquatics

Complete Water Solutions



WATER SOFTENER

'Aqua' series water softeners are used for reducing hardness-forming calcium and magnesium ions by exchanging them with soluble sodium ions. The hard water is passed through a strong cat-ion exchange resin bed. The hardness from water is exchanged to produce soft water. At the end of each service cycle, the ion exchange resin is regenerated with sodium chloride solution, after which the unit is ready for the next service cycle. 'Aqua' series are designed on COUNTER CURRENT REGENERATION technique, an advanced softening technique developed to treat large volumes of hard water.

Benefits :

- Uses less soap and cleaning products.
- Reduces "soap scum" and 'bathtub ring' that are difficult to remove.
- Minimizes unsightly spots on dishes, glassware and flat ware.
- Cuts down on scale that clogs plumbing and builds up on the inside of water heaters; which can increase gas or electric bills, and may lead to early failure of the heater.
- Increases life expectancy for appliances, including washing machines, dishwashers, and water heaters.
- Contributes to softer skin after bathing or showering, opens skin pores and cleans hair more thoroughly. This reduces the risk of diaper rash, rough, red hands, and skin irritation and discomfort.

MULTI-MEDIA FILTER

'Aquamedia' multi-media filters are widely used to remove the turbidity in water. Standard systems are available in capacities ranging from 0.5 m³/hr. to 30 m³/hr. A multi-media filter is utilized to remove suspended solids 10 micron and larger from the feed water supply. The media is a combination of anthracite coal, silica, and garnet sand that provides "depth" filtration of particulate matter as water flows through the media bed. Gravel is used at the bottom of the media tank to support the media bed.

Benefits :

- Removes all impurities like sand and other microorganisms from water
- Prevents clogging of luxurious bathroom fittings
- Used as a pre-filter for water softener as this prevents clogging of water softener.

