

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.

SPECIAL FEATURES:

Wide application :

Fifteen basic sizes closely match most industry or commercial requirements for soft water on a continuous basis.

Construction features :

'Aqua' series softeners are made from Fiber Reinforced Plastic (FRP) , pipes of PVC, valves of ABS and brine tank of HDPE. These materials are light in weight and are corrosion and maintenance free.

Easy Operation :

One single multi-port valve accomplishes all operation steps. These valves are single-lever operated and lever position clearly indicates operation sequences in progress. This makes its operation fool proof by reducing operator error substantially. Also available as fully automatic units.

Advantages of AQUA series Water softeners & Multi-media filters :

- FRP construction, lightweight, easy to install and does not require civil work.
- Pre-assembled and factory tested before shipment, the softener can be installed and commissioned within a day.
- Easy to operate due to single-lever operated multi-port valve.
- Maintenance and corrosion free as softener unit is in FRP construction and piping in industrial grade heavy duty PVC.
- Lower maintenance cost and easy availability of spares.

Specifications :

- One Fiber Reinforced Plastic (FRP) pressure vessel fitted with special internal distributors.
- One single-lever operated multi-port manual valve with brine ejector and plastic piping.
- One complete charge of high efficiency cat-ion resin in Sodium form.
- One combined salt tank of HDPE/FRP with fittings.



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