

# SOFTENER

Range from 50 lph to 100,000 lph.

SARJAN standard Softeners are based on Ion Exchange process, up flow type, manually operated, ready to install in order to get highest efficiency. Our softeners are designed on new proven technical counter current regeneration system.

The high capacity, strong acidic Cation Resins in sodium form are used to soften raw water. Softeners are regenerated by simple process of flushing with salt solutions and rinsing the excess salt.

Can be used for many domestic and industrial applications. Available in FRP & MS material to suit any requirement



## Advantages

- Easy to install and operate with low cost maintenance.
- High capacity bead type Cation Resins used which is remarkably stable and has a long life.
- Consistent treated water quality with lower cost of regenerates.
- Longer operating cycles.
- Soft saving in washing machine.
- Spotless utensils.
- Luxurious bath.
- Silky and shiny hair.
- Brightness in skin.
- Prevention of scaling in pipeline, showers and fountain nozzles.
- Long life of electric geyser.
- Compact system for treatment of hardness of water.
- Easily integrated into any existing facility.

Regular tap water can result in a build up of iron; magnesium and hardness that would result in a discoloration sink washers and other house hold appliances that use tap water as their source of water. A water softener will reduce the build up greatly and provide you with clean, soft water.

## Water Softening Process

This means that water flow through the softener is counter current to the regeneration brine solution.

The high capacity, strong acidic Cation Resins in sodium form are used for longer life in softeners the calcium and Magnesium ions presents in raw water are exchanged with sodium ions of Resins and thus the raw water is made soft. Softeners are regeneration by simple process of flushing with salt solutions and rinsing the access salt. During the regeneration process the resins are again converted to sodium form for the next cycle of operation.

