

ONLY SOLUTION TO HARD WATER IS WATER SOFTENER..

Eco Crystal Softeners
Now available automatic Scale Master softener from UK

SL NO	SPECIFICATION	SOFTLINE 100
1	Height	445mm
2	Depth	460mm
3	Depth Incl Connector	460mm
4	Width	275mm
5	Resin Volume	10 litre
6	Salt used per regen cycle	1500 grams
7	Maximum working pressure	8.0 bar
8	Minimum Working Pressure	1.5 bar
9	Max ambient temp (C°)	45°
10	Max water temp (C°)	38°
11	Electrical Supply	220 v 50Hz
12	Inlet supply of the system	12v from adaptor
13	Max (peak) flow rate	42 litres per minute
14	Max flow rate (1 bar pressure drop)	33 litres per minute
15	Inlet & outlet connections	3/4" male
16	Drain & overflow connections	1/2"
17	Regeneration time	42 mins
18	Max softened water capacity @	Up to 5 person
19	300ppm (water efficiency*)	YES

What is Automatic Softener?

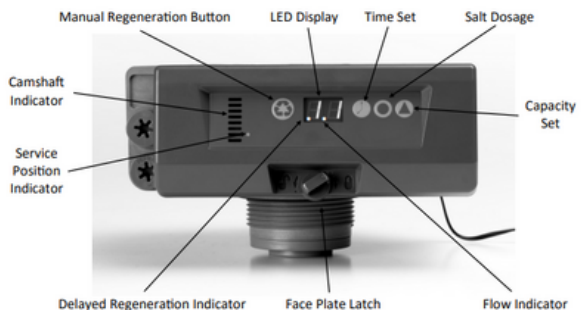
- 1. Automatic softener has a provision to setup regeneration depends on hardness and usage of water.
- 2. No need of manual regeneration.
- 3. Salt has to be charged from time to time.
- 4. Required continuous water supply.
- 4. Water hardness can be checked from time to time by pH test or by technician.

Scale Master



Regeneration setting

Valve Layout (Front)



Water Softener



1000 LPH



3000 LPH



5000 LPH



10000 LPH

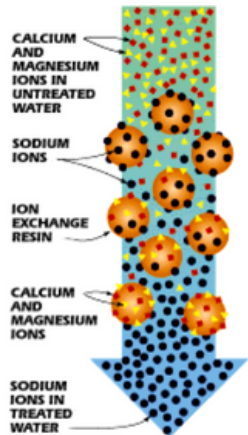
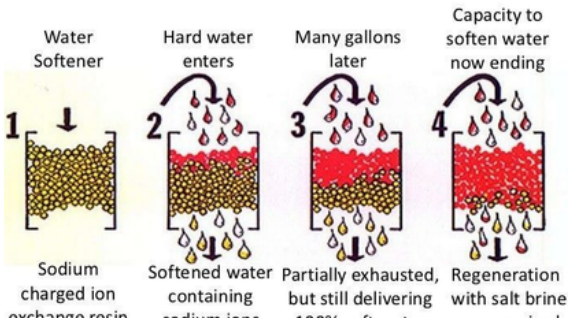
MODEL	1000	3000	5000	10000
VESSEL	10x54	13x54	20*69	30*65
NaCl	7-10kg	10 - 15kg	20 -25 kg	40 -50 kg
Resin Qty	60 ltrs	100 ltrs	280 ltrs	450 ltrs
Brine tank	50	50	100	400

Options of Softeners for Hard water

1. Sediment filter with Softener
2. Sand+ Carbon with softener
3. Sediment+ Sand + Carbon with softener
4. Sand filter + Carbon filter for soft water area

How Water Softeners Work

SOFTENING CYCLE



Install a water softener and no more scale -ridden pipes, dry hair, stiff laundry and less appliance repair bills.

What is a water softener ?

Water softener is meant for removing minerals that create water hardness in water of certain areas .

While hard water destroys appliances, leaves filmy soap scum across bath rooms and kitchen and dries out hair and skin and need for frequent replacement of geyser coli, water softener is a solution to all these problems.

Investing in water softener saves the house owners time, energy and money and protects the home and property.

How do water softeners work?

It is the Ion Exchange process that removes calcium and magnesium from water. Hard water flows through a bed of spherical resin beads in the mineral tank. These resin beads are anions, having negative charge while Calcium and magnesium minerals have positive charge. The end result is that the column of resin strips all the hardness out of the water as it passes through the mineral tank, and softened water flows out into your home.

What are the components of Manual water softener?

A water softener is made up of three components: a control valve, a mineral tank, and a brine tank. These three work in conjunction to remove the minerals from hard water, monitor the flow of water, and periodically clean the system through a regeneration process.

1. Mineral tank

The mineral tank is the chamber where the hard water is softened. The water supply line feeds the hard water into the tank. The water seeps through the bed of resin beads, depositing the water-hardening calcium and magnesium ions. The water exits the tank soft and flows through your pipes and out to your household appliances.

2. Multiport Valve

Sand and DE filters use a multiport valve to help clean or backwash the filter media. Multiport valves are called multiport valves because they have multiple ports inside the valve that allows the water to move in multiple directions.

3. Brine tank

The brine tank aids the water softening system in regeneration. It is a shorter tank that sits adjacent to the mineral tank. The brine tank holds a highly concentrated solution of salt (or sometimes potassium) to restore the resin beads' positive charge.

Registered Office

**Hepzhi Towers, Plot No 32/A, Mezzanine Floor, Doddankundi,
KIADB Industrial Area, 1st Phase, Mahadevpura Post, Behind Graphite
India**

Bangalore -560 048

Toll free number - 8549999493

Branch Office:

**68, Jodhpur park,
Kolkata - 700068
Mob: +91 6290969325**

Dealer: