

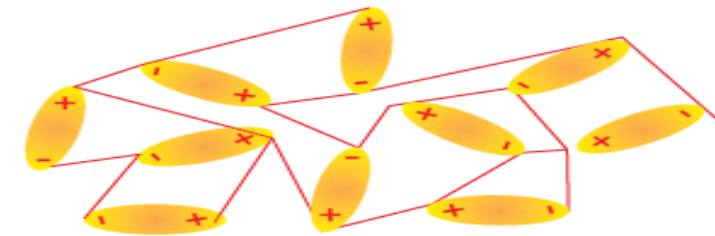
AMRUT MEGNETIC WATER CONDITIONER (SCALE GUARD)

Traditionally the water treatment market had one main solution to hard water, that was salt based water softeners. However, in recent years AMRUT FILTRATION Invented Alternative electronic hard water treatments have become increasingly popular, the most interesting of which is Amrut Magnetic water conditioning. Amrut Magnetic Water Conditioners on the other hand create an electro-magnetic field around your pipe work which alters the ions in the water so that they loose their ability to cause scale.



What is AMRUT Magnetic water conditioner (Scale Guard) ?

When water comes under the influence of such field the hard water ions are forced to precipitate. It alters the hard water ions in a suspended polarized form. It changes the property of the hardness of the water. It decomposes the molecule into a new form. It never forms hard scale at walls of pipe and soil. It increases solubility of Water. The conditioned water absorb existing hard ions, which present on the surface of the soil. This way it helps to break down existing scale and improves soil profile



Water Molecules are Locked in a Cluster

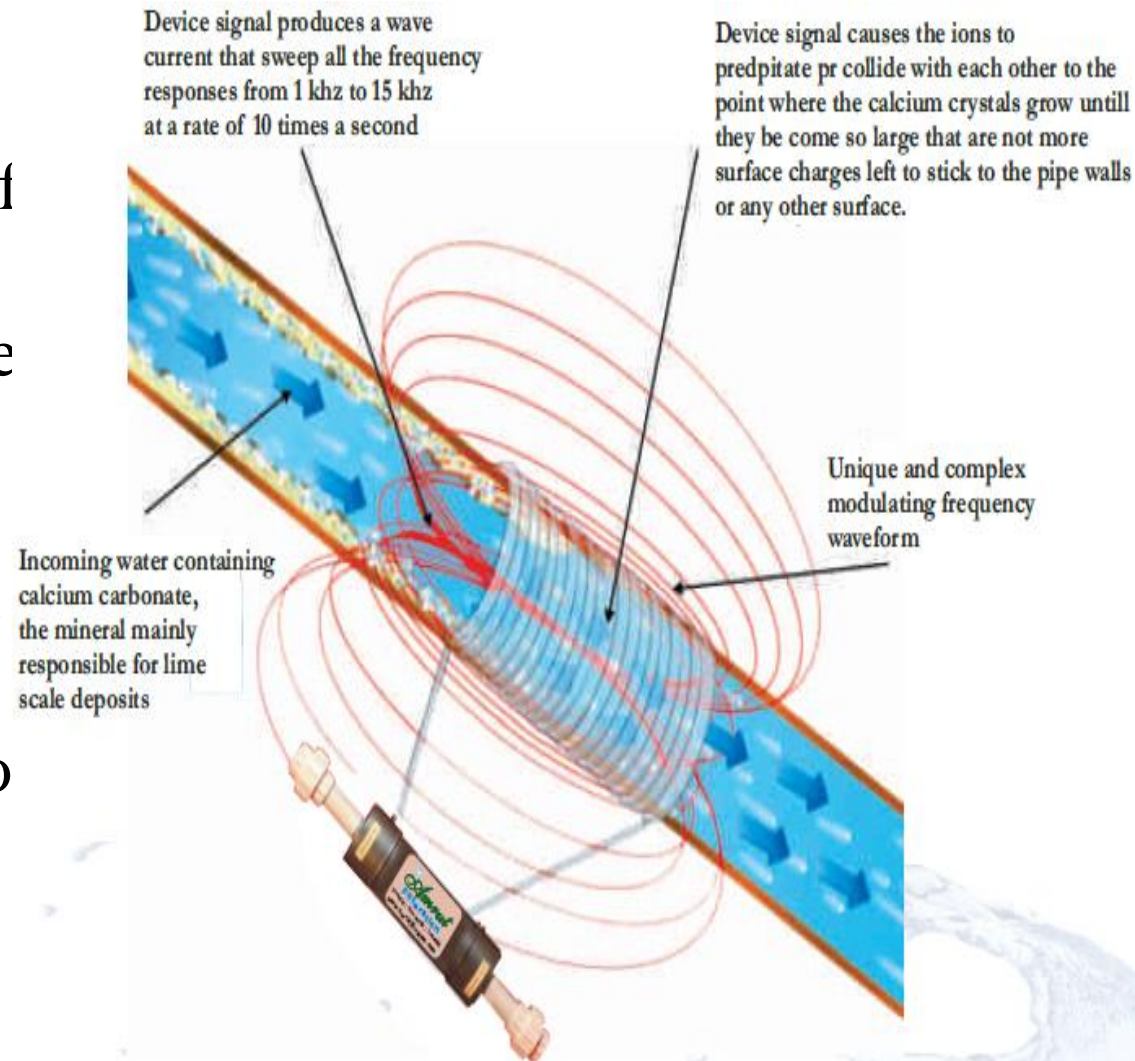


Individual Water Molecules



How AMRUT Magnetic Water conditioner (Scale Guard) Works?

Magnetic water Conditioner uses a series of controlled complex modulating high frequency waveform that ineffective the bonding ability of minerals that are contained in our water. This field effectively control & prevent different size molecules likely to form scale & to break the bonds between molecules & the water. This results the break down of large mineral crystals into tiny mineral particles & then prevent them from reacting with other minerals or bonding to any surface to from scales.



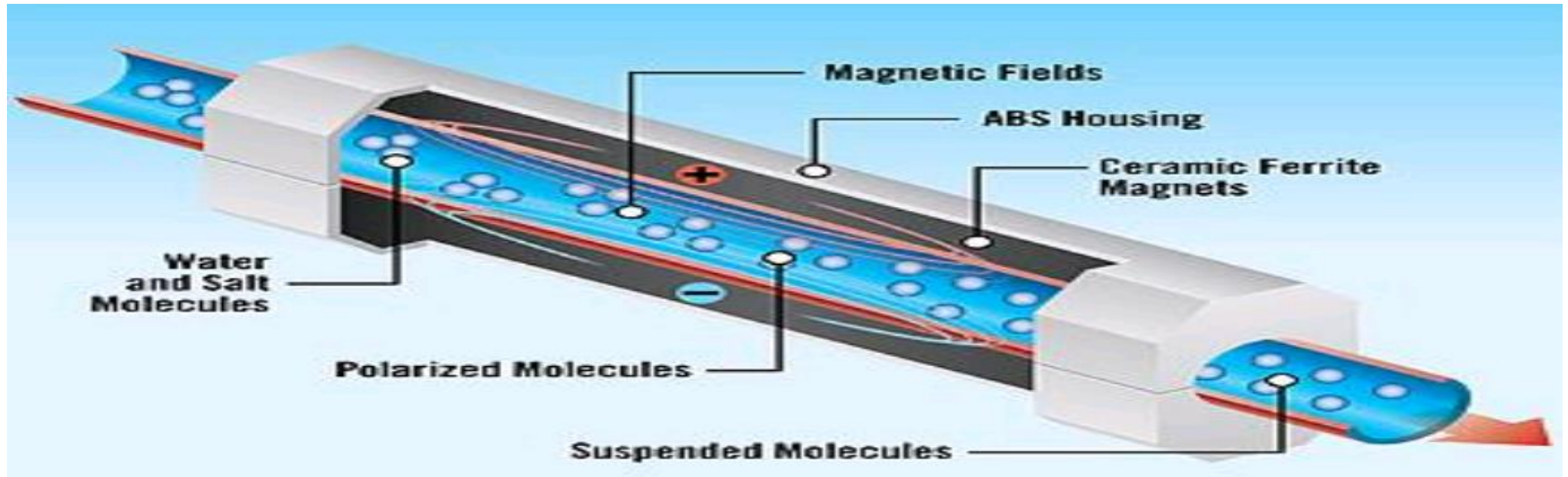
Two Types of the Process done in the AMRUT Magnetic Water Conditioner(Scale Guard)

- **Breaking Process:-** During this process high mineral clusters of any size are being broken down into small and tiny particles and scattered. e.g. if any of the mineral ion in the water is in size of 40 micron, then it will be broken down and converted into 10 tiny parts of 4 micron and making them bio-available.
- **Transforming Process:-** This process is very important in water. When minerals are being broken down and converted into small and tiny particle, because of that the nature of water molecules to travel together and sticking to each other or developing clusters are being ruined and transformed into 100% non-sticking nature. Like that they cannot travel together or develop any cluster or layer into water. Nature of water is changed. so with the help of joint process of this device hard water is turned into “Best Solvent” compared to nontreated water. This is the only technology which does not remove useful and essential minerals / nutrients from water but treat them and make them more bio-available.



What Does AMRUT Magnetic Water Conditioner (Scale Guard)

- When water flow passed from the magnetic water softener conditioner the surrounded magnetic field work to arrange uneven magnesium & sodium molecules in even form & arranged them in proper manner which is removes the sticky lime scale into non sticky form & soften the water by chemical process.
- $\text{CaCO}_3 (s) + \text{CO}_2 (aq) + \text{H}_2\text{O} (l) \rightarrow \text{Ca}^{2+} (aq) + 2\text{HCO}_3^- (aq)$



- After this process water molecules to travel together and sticking to each other or developing cluster are being ruined and transformed in to 100% non-sticking nature. Like that they cannot travel together or develop any cluster or layer on water surface. Nature of water is now changed! So with the help of this process and passing water through this device hard water is turned into "Best Solvent" compared to non - treated water. This is the only technology which does not remove useful and essential minerals/nutrient ions from water, but treat them and make them more bion-available.

Before
Magnetization



After
Magnetization



Benefits of AMRUT Magnetic Water Conditioner (Scale Guard)

1. reduction of heat exchanging efficiencies
2. education in mechanical efficiencies of equipment such as pump and the pipelines in terms of flow rate and the maintenance costs due to the back pressures developed.
3. Scaling is a pain area of all industry as the present process of de-scaling is very cumbersome and expensive, where corrosive chemicals have to be handled and possibility of expensive parts that have been covered with heavy scales may be damaged in the process.
4. The above results in huge energy losses electrical or thermal.



5. Protect the home appliances from the scalling & rusting
6. Decease the existing lime scale in the pipeline.
7. Increase the lifespan of the filters/membranes.
8. Enables the clothes to retain softness and colour.
9. Treat the water without mixing any chemical water.
10. Fits any pipe size, material or flow rate.
11. Gas & electric water heater requires less power Consumption because of No Scale deposition.
12. You will fee fresh l after taking bath with this wate
hair will remain silky, may help to prevent hair loss an
away from skin disease and dry skin problems!

