essencials WATER CONDITIONER

Essencials water conditioners provide a clean, ideal solution to converting hard water to soft, usable water at minimal cost with virtually zero maintenance. As hard water flows through pipes those pipes clog up and equipment can be damaged. Essencials water conditioners are used for agriculture, industrial and domestic purposes.

Why use Essencials Water Conditioners?

- **Easy** to install
- **No Maintenance**
- **Reduced clogging** of pipes and equipment
- **No waste water**
- **No chemicals / salts**
- **Retains healthy minerals**
- **One time investment** and cost effective compared to reverse osmosis

The problems associated with hard water in Agriculture:

- Clogging of drip lines, pipes and spraying equipment with lime scale (white deposits of calcium carbonate)
- Reduced soil fertility
- Stunted plant growth
- Reduced yield
- Reduces efficacy of pesticides and fertilisers

The problems associated with hard water in Industry:

- Clogging of pipes with lime scale (white deposits of calcium carbonate)
- Breakdown of boilers / cooling towers due to lime scale
- Equipment requires constant maintenance which can be expensive
- Maintenance / breakdown of equipment can lead to down time
- Down time means reduced production

The problems associated with hard water in the Hotel Industry:

- Clogging of pipes with lime scale (white deposits of calcium carbonate)
- Breakdown of boilers / cooling towers due to lime scale
- Equipment requires constant maintenance which can be expensive
- Laundrettes face inefficient washing of laundry as soap is not able to lather well

Organix Limited
The Farmer's Environmental Friend

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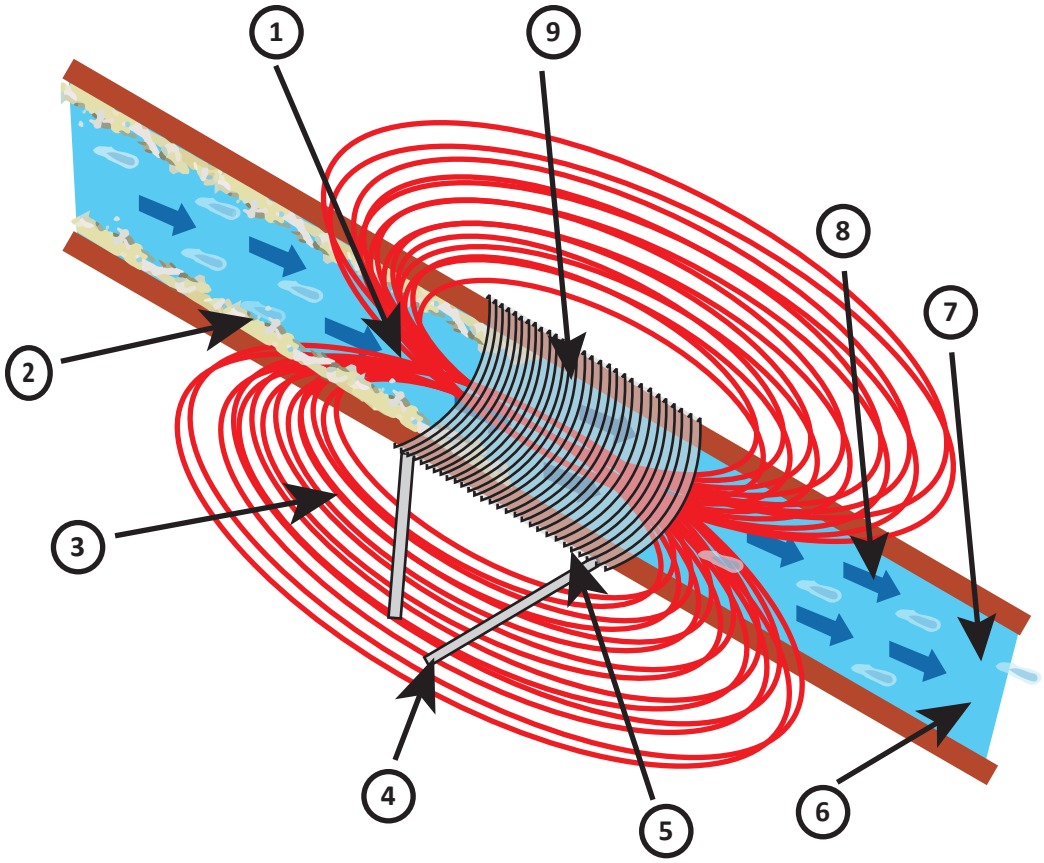
The problems associated with hard water in Domestic use:

- Clogging of pipes with lime scale (white deposits of calcium carbonate)
- Lime scale on water taps, tiles, utensils etc.
- Loss of hair and skin problems
- Bath time issues as soap does not lather well



1. This signal produces a wave current that sweeps frequency responses from 1,000 – 2,000 HZ at 10 times per second
2. Inflow of water containing calcium carbonate (mineral responsible for lime scale deposits)
3. Unique modulating frequency wave form hits the resonant frequency of calcium carbonate molecules causing them to loose adhesive properties
4. Signal cable delivers frequencies from computerized control box
5. Induction coil wrapped around inflowing water
6. Empty water molecules attract calcium molecules from scale build up causing existing scale to dissipate.
7. Crystals are unable to adhere to any surface and do not precipitate out as hard scale
8. An inaudible signal at sonic frequency causes turbulence in water molecules and ion exchange in mineral atoms.
9. Signal causes ions to precipitate, calcium crystals enlarge, surface charges removed, calcium no longer able to adhere to surfaces.

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