

Electro-magnetic and Electrolytic Dual water conditioner



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We are pleased to present our Electromagnetic and Electrolytic water conditioner designed to combat hard water issues. Our product helps to prevent scale buildup and expand the lifespan of plumbing systems and ensures better water quality for various applications.



Electromagnetic cum Electrolytic dual water conditioner

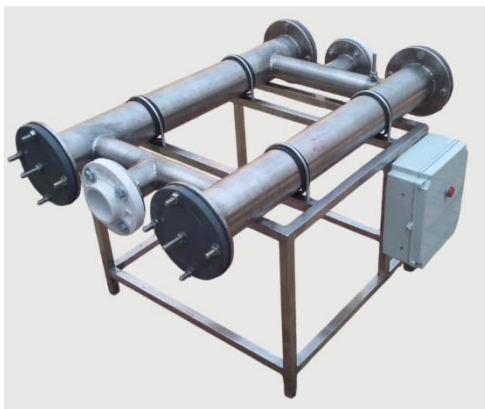
Part -1



Electromagnetic water conditioner *(Working Principle)*

The untreated hard water passes through copper-piped electro-magnetic field and also electrical frequencies are induced into the water which causes the macro clusters of hard water ions to break down into smaller micro clusters thereby reducing the sticking ability of the ions to the inner surfaces of pipelines and all the water contact surfaces.

Part - 2



Electrolytic water conditioner

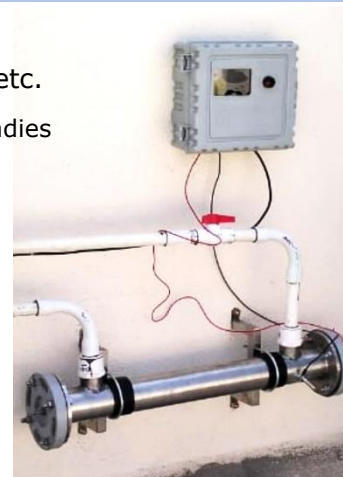
(Working Principle)

This is a water treatment technology that partially removes hardness minerals like calcium and magnesium from water by utilizing electric current and creating a high pH environment near cathode chamber (Negative Electrode) thereby causing the minerals to precipitate out of solution as solid particles, effectively softening the water without the need of added chemicals like salt. Essentially it uses electric current to induce chemical reaction that precipitates out the hardness ions. The precipitated minerals which buildup on stainless steel electrodes needs to be cleaned periodically



Product Advantages

- Reduction in white stains on Kitchen Utensils & Bathrooms etc.
- Reduction in stickiness of hair after having bath especially Ladies
- Reduction in Dryness of skin after having bath
- Increase in Foaming of soaps. (Lather)
- Minimises scale buildup
- Reduces Maintenance cost
- Enhances water quality
- Disinfection of water



Technical

Specifications

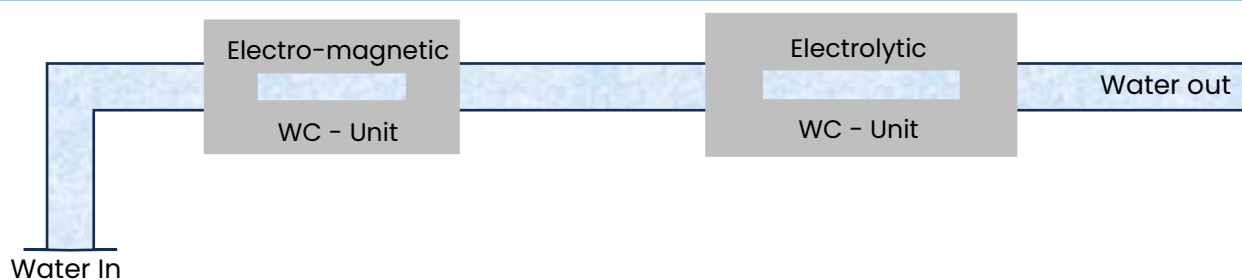


Electromagnetic water conditioner

Model	EMC-2-2
Flow rate	10000 to 15000 Liters per hour
MOC	Copper pipe, Upvc,
Input voltage	230 volts 5 amps
Design	Multi-flow Patented
Inlet-Outlet pipe	2.5-Inch Dia
Operating current	12 volts 3 amps

Electrolytic water conditioner

Model	EWC-4-900-2
Flow rate	10000 to 15000 Liters per hour
MOC – Cathode Chamber	304 Stainless Steel, uPVC
MOC – Anode Chamber	Titanium with MMO coating, uPVC
Input voltage	230 volts 5 amps
Design	Multi-flow
Operating current	24 volts 12 to 24 amps



Flow Chart



Monthly Expenses for 100 KLD, Assumed Hardness 500 ppm

Conventional salt-based softener				Electrolytic Conditioner	
Salt per day	136 kgs per day	Rs 5/kg	20,000	Salt per day	Nil
Electricity	40 units per day	Rs 10/unit	12,000	Electricity 4 unit	1200
Water waste	5000 Liters/day	Rs 400/day	12,000	Water waste	Nil
Salary Operator	1 Operator	1 Shift	12,000	Salary Operator	Nil
Resin Change	Every 3 Years	150/kg	3750	Resin Change	Nil
Anode Change			Nil	Anode Change	1500
Monthly Exp			59,750	Monthly Exp	2,700

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Sun city CHS Ltd,
Ambegaon, Pune. Mittal Group



Swar-Vihar CHS Ltd, Sasane Nagar,
Hadapsar, Pune. Naiknavare Group



Bungalow Installation
Manjari



Sun city CHS Ltd,
Ambegaon, Pune. Mittal Group

Contact:

