



Water purification redefined!

ELECTRO MAGNETIC ZERO WATER WASTAGE WATER CONDITIONER

WATER ZONE
WWW.WATERZONE.IN

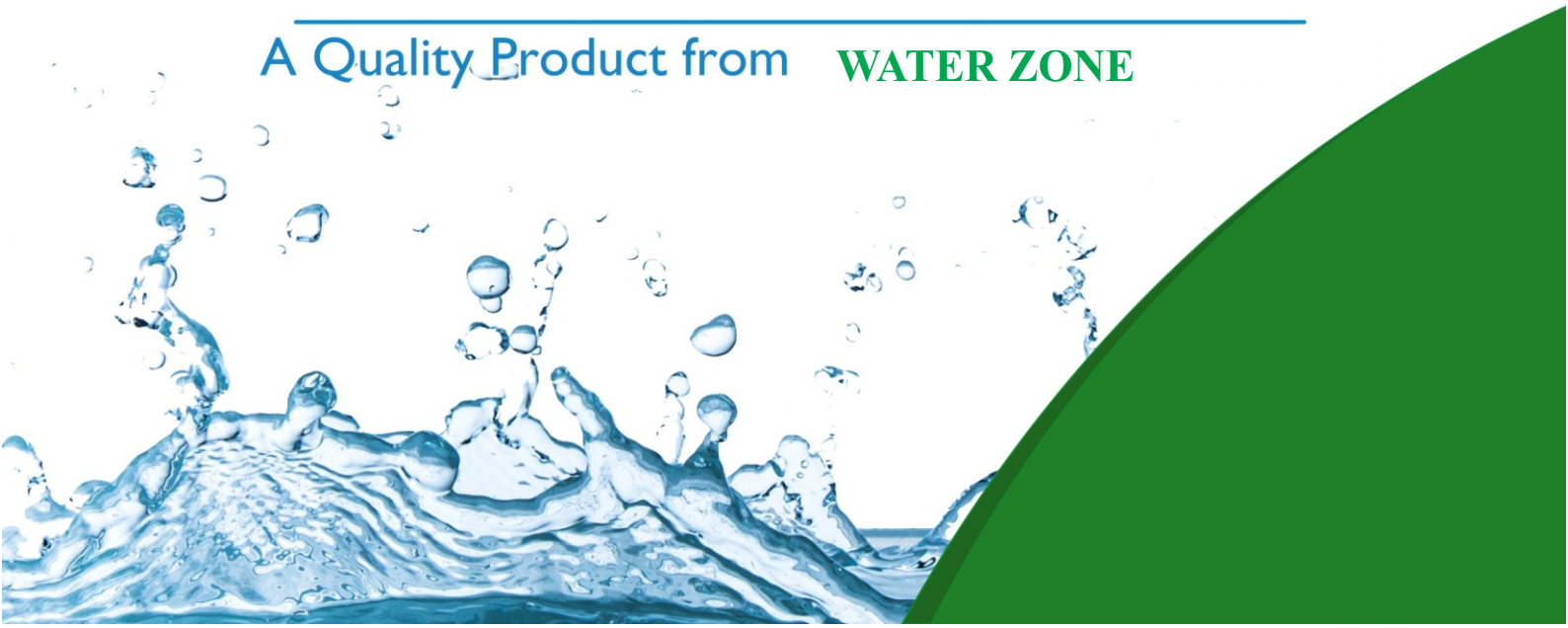


Water purification redefined!

WATER ZONE Electromagnetic Water Conditioner

Permanent Solution to Hard Water

A Quality Product from **WATER ZONE**



About us

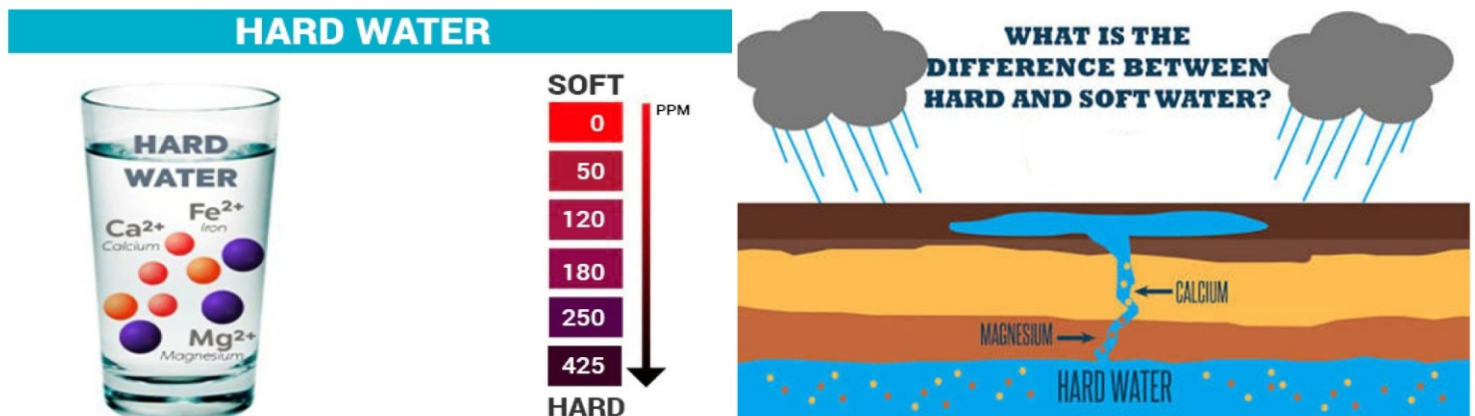
- **WATER ZONE** was born as a result after pioneering efforts of highly experienced professionals in the field of electronics and embedded technology.
- The company has a state-of-the-art development center for embedded systems and is involved in the integrated operations of software/hardware and embedded systems design and manufacturing for enhancing the lifestyle of mankind.

After several years of testing and development in the early 90s, first **WATER ZONE** Electromagnetic Water Conditioner units were released in **2012**. From the initial installations, **WATER ZONE** was a runaway success. **WATER ZONE** was able to forge ahead those obstacles by building a worldwide network of dealers, wholesale suppliers, and major retail stores who believed in our product.

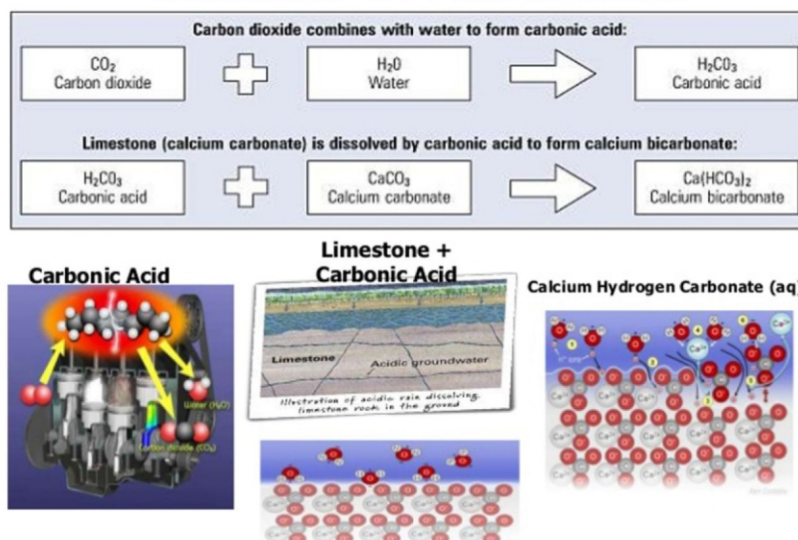
What is hard water?

Hard water is the water which contains dissolved hardness minerals, i.e., calcium and magnesium salts. The dissolved minerals present in hard water can accumulate in the form of a hard scale which can build up and eventually clog pipes and damage water-using appliances.

Even though other minerals exist in **hard water**, it's the calcium and magnesium that create **problems such as scaling, etc.** When heated, these minerals precipitate out of **water** and encrust themselves onto items as "scale" or mineral deposits, affecting the performance of appliances used in water installations.



Causes of Hardness



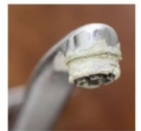
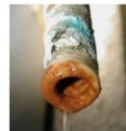
Symptoms and effects of Hard Water



Scaling in boilers, cooling towers and other equipment leading to costly breakdowns.



Soap not foaming in water, scaling in pipelines leading to block, scaling in electric equipment like geyser, fading of clothes, hair fall, etc.



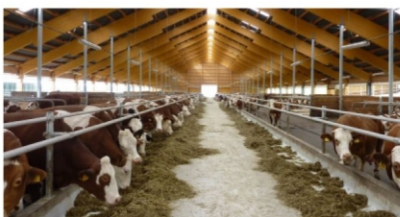
White coating layer on the roots, cell membranes dead up to 80%, leading to suffocation and decreased yield.



Water plays an important role in regulating body temperature, digesting food, and eliminating wastes. At normal temperatures, chickens typically consume twice as much water as feed. During periods of high temperature, water consumption can double or quadruple. To remain healthy, poultry flocks require water of adequate quality and quantity.



Many industrial laundries are concerned about the hardness of the water used and because of this problem, more soap and synthetic detergents are required in hard-water laundry areas.



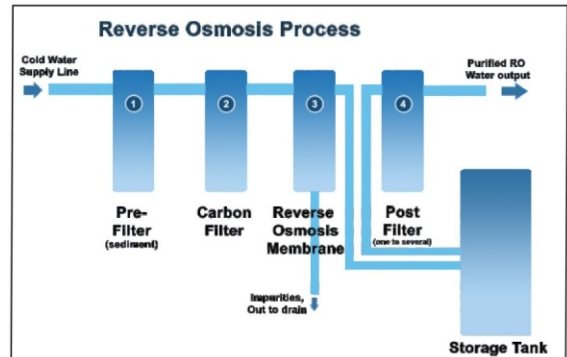
The mineral constituents found in water that have been shown by research to affect animal performance are total dissolved solids (TDS), sodium chloride, sulfur (sulfate), and nitrate. Iron and manganese have been indicted in many water quality problems, but research directly linking iron and manganese to reduced water consumption and lowered milk production is lacking.



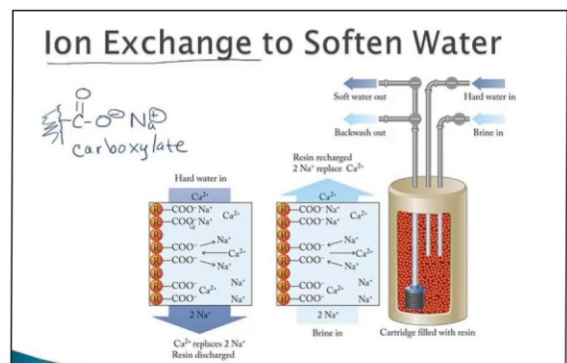
With over 75% of the India experiencing hard water, Water Zone Electromagnetic Water Conditioner is the healthy, environmental friendly way to solve hard water problems in the residential, commercial and industrial spheres.

Existing Solutions

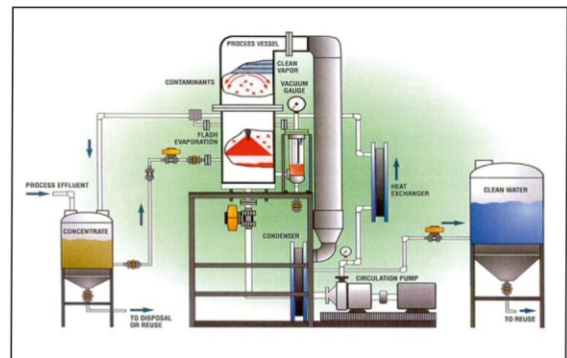
Reverse Osmosis:



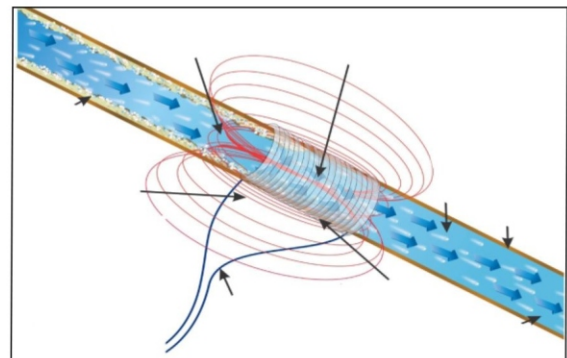
Ion Exchange:



Water evaporator:



Electromagnetic Water Conditioner:





Salt-based Water Softeners are banned due to environmental hazards in a few cities in US as water softener discharges sodium into the water stream.



Keeping the challenges of Resin-Based Softeners, our R&D Team (who work closely with IISc and IIT'ians) designed and developed a robust, cost-effective, reliable Multi-Flow Electro Magnetic Water Conditioner.



High-Level Working principle

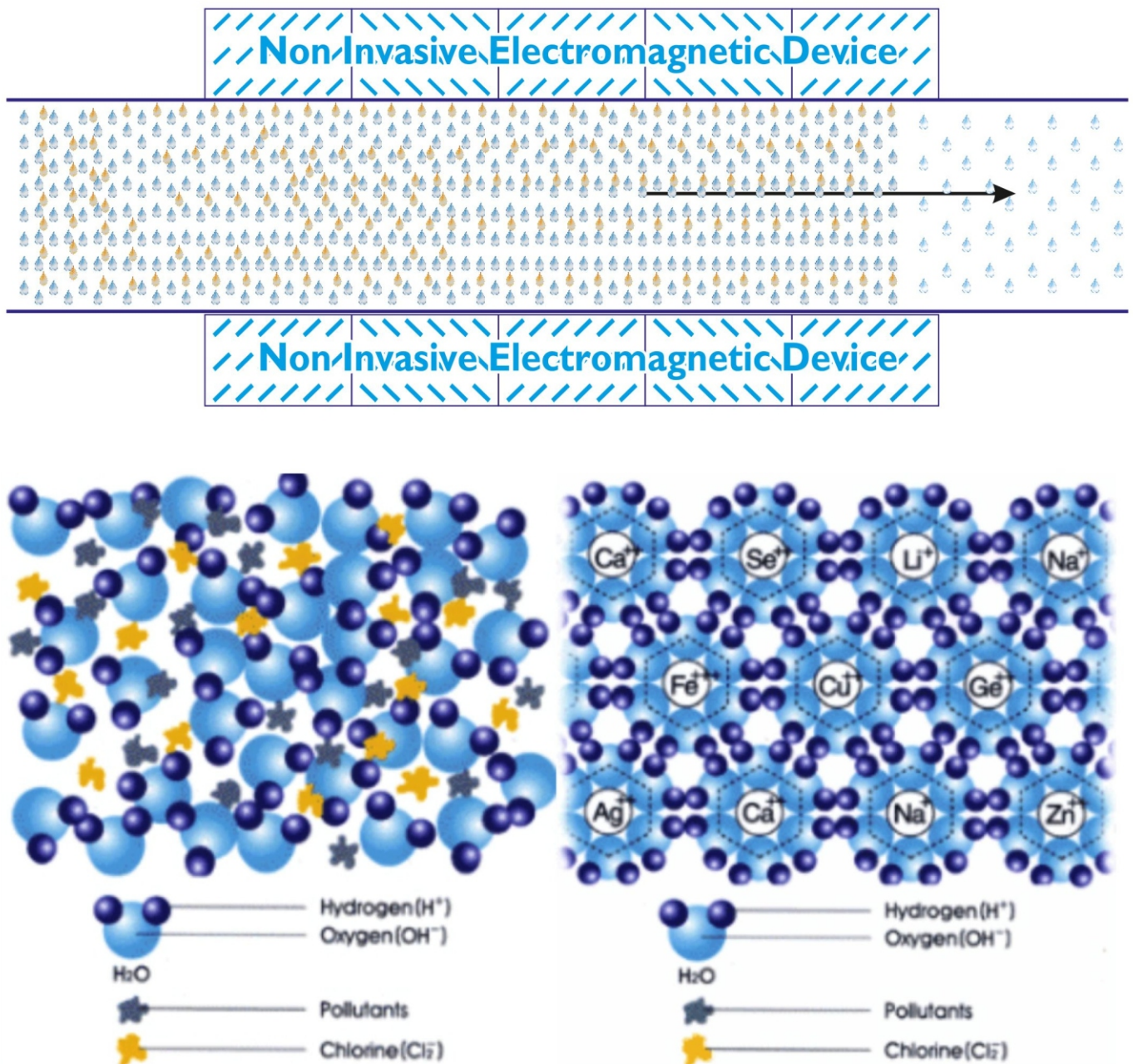
Water Zone Electromagnetic Water Conditioner is an innovative, compact, state-of-the-art computerized water conditioner that is installed on the incoming waterline entering the home, building or your equipment. A strong electromagnetic field is created within the water stream in a noninvasive (Without touching the water) manner. Electromagnetic waves at different frequencies are emitted which debond the existing, strong bonding in the water. **Water Zone** is the leader in the country and innovator in solving hard water problems without using salt or chemicals.

Water Zone uses electromagnetic fields with physical Rare Earth Magnets, which produces permanent magnetic fields. These magnetic fields break heavy mineral compounds & salts dissolved in water.

Due to these magnetic fields, salt particles of 40 microns break into 10 no. of 4 microns.

Feel Soft breaks ionic bonds; as a result, water becomes more solvent compared to non-treated water.

The hexagonal water molecule cluster won't allow the bonding of minerals to it; magnetically structured water acts as Good Solvent which removes scaling from pipes and won't allow new scaling to take effect.



Multiflow Design:



Product Description

Water gets conditioned if the Flow rate does not increase more than 600 Liters per Hour. Hence our R&D team have developed a Multi-Flow Design concept where Flow of water above 600 Liters per hour splits to multiple candles (While each candle processes 600 Liters per hour) in order to ensure Hard Water gets conditioned to Soft Water.

Unique Earthing Concept:

Static Energy is created due to flow of Water in the Candles and the same would affect the performance of Electro-Magnetic fields that are generated in the Candles for treating the Hard Water. To eliminate the Static Energy, our R&D Team have incorporated Earthing in our system.



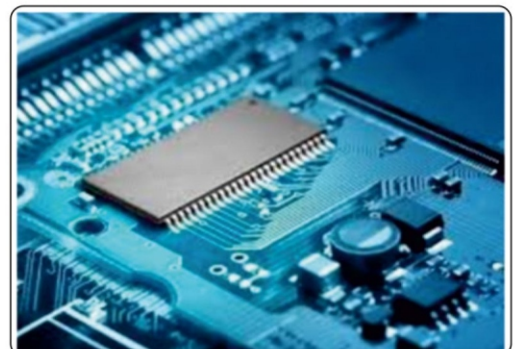
Stainless Steel 304 Pipes:



We use Stainless Steel 304 Pipes as Studies have shown that this steel has excellent corrosion resistance, Inter granular corrosion, Excellent hot and cold forming process/ performance, Has good weldability etc.

Embedded Circuits:

A series of controlled, complex, modulating high frequency wave form that neutralizes the bonding ability of minerals that are contained in the water. This field effectively agitates different size molecules likely to form Scale and to break the bonds between molecules and the water. This results the breakdown of large mineral crystals into tiny mineral particles and then prevent them from reacting with other minerals or bonding to any surface to from scales. The process is so effective that existing scales are progressively broken down & flushed away in due course of time.



The conditioned gaseous ions results in noncorrosive, better tasting water. It also helps the Animals and Plants to grow well & stay healthy. Apart from generating Electro-Magnetic Frequency from the Electronic Circuit, we have also integrated Rare Earth Magnets which produces permanent magnetic fields.

Technical Specifications:



Particulars	Description
System Type	Non-Contact-type (non-invasive) water conditioner.
Working Method	Oscillating Electromagnetic Method/ Regenerative Electromagnetic method.
Supply Voltage for Domestic	Single Phase - 220-230 V A/C, 50 Hz.
Supply Voltage for Industries	Three phase - 440V A/C, 50 Hz.
Power Consumption	10 W @ 230 V A/C
Output Pulsing Unit	Dual Inductor Type
Output Pulsing Power	Variable
Oscillating Type	Proprietary Microcontroller-Based Variable System

Value Comparison:

	Salt-based water softener	Water Zone Electromagnetic Water Conditioner
Value for money	Expensive	Affordable and one-time investment
Life span	5-10 years	30-35 years
Maintenancace	Requires continuous maintenance and purchase of salt and chemicals	Fit and forget
Space utilisation	Requires a lot of floor space	Mounts on a wall
Health	Harmful for people on salt restricted diets	Safe for health
Environment	Discharges Chlorides as waste water stream	Environmentally green
Technology	Ion Exchange	Multiflow Design with Electromagnetic Field. Programmable IC.



Install & Forget



No Water Wastage



No Salts, No Resins



No ongoing maintenance

Features & Benefits

Features

- Electromagnetic Technology
- Innovative Multiflow Design
- Unique Earthing Concept
- Stainless Steel Piping(304)
- Warranty of 24 months
- No chemicals or salts used
- No filters or membranes
- Imported Rare Earth Magnets used 360° rotation
- Micro Controller Processor-Based

Benefits

- No water wastage
- No regular maintenance
- Removes existing scaling
- Reduces hair fall & softer skin
- Less detergent to wash clothes
- Prevents clogging of drip, sprinkler and piping system
- Less power consumption
- Fit and forget & easy to install
- Easy to install



No Chemicals



Environment Friendly



Installation:

This equipment purely works on flow rate LPH (liter per hour) - liter of water flow per hour. Standard equipment comes with 2 Candles which can process up to 1200 LPH which is sufficient for a small house of around 4-5 people. Anythign more than that will result in reduction in efficiency and optimal performance. For higher flow rate, more number of candles will be required. All the units are custom-made, so our technical team needs to visit the site to do the assessment to understand what kind of equipment will be required as well as what kind of consumables in terms of plumbing will be required.



**TAKE
ACTION NOW**

The choice is clear...

✓ No Maintenance ✓ No Chemicals ✓ No Salt ✓ No Filters



Water purification redefined!

WATER ZONE

Address: NO:12, Thirumugam Nilayan,
West Power House Road, Near Post Office,
Tatabad, Coimbatore- 641012.

Phone: 98430 17435 | 98941 88975

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PRODUCT IMAGE



BEFORE CONDITIONING



Without treatment in
Turmeric has average 4
shoots

AFTER CONDITIONING



With treatment with average
7 shoots

WATER CONDITIONER REPORT

Sr.No.-210. D.P.Road, Malawadi, Hadapsar-
(Readymix Concrete Division, Pune.)
Sr.No.-210. D.P.Road, Malawadi, Hadapsar-411028
Email:- jkumarmc@gmail.com, jkumarmc@rediffmail.com

COMPRESSIVE STRENGTH TEST REPORT
Reference : Indian Standard IS : 516

Sample :- Electromagnetic Water Date of Casting :- 20/04/16
Location :- Hadapsar Date of Testing :- 18/05/16
Grade of Concrete :- M-20 Age of Testing :- 28 days
Initial Slump :-170 Slump After half an hour :-130

Sr. No.	S.S.D. Wt.(Kg)	Load in KN		Comp. Strength in N/mm ²		Avg. Strength (N/mm ²)	Remarks
		Machine	Calibrated	7 Day's	28 Day's		
1	8840.000	610	610	27.11			
2	8820.000	630	630	28.00		27.56	
3	8830.000	620	620	27.56			

Lab Tech. JKIL
Lab Engg. JKIL

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Grade of Concrete :- M-20 Age of Testing :- 7 days
Initial Slump :-170 Slump After half an hour :-130

Sr. No.	S.S.D. Wt.(Kg)	Load in KN		Comp. Strength in N/mm ²		Avg. Strength (N/mm ²)	Remarks
		Machine	Calibrated	7 Day's	28 Day's		
1	8790.000	420	420	18.67			
2	8820.000	430	430	19.11		18.67	
3	8815.000	410	410	18.22			

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COMPRESSIVE STRENGTH TEST REPORT
Reference : Indian Standard IS : 516

Sample :- Normal Water Date of Casting :- 20/04/16
Location :- Hadapsar Date of Testing :- 18/05/16
Grade of Concrete :- M-20 Age of Testing :- 28 days
Initial Slump :-150 Slump After half an hour :-100

Sr. No.	S.S.D. Wt.(Kg)	Load in KN		Comp. Strength in N/mm ²		Avg. Strength (N/mm ²)	Remarks
		Machine	Calibrated	7 Day's	28 Day's		
1	8850.000	480	480	21.33			
2	8795.000	490	490	21.78		21.33	
3	8820.000	470	470	20.89			

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Sample :- Normal Water Date of Casting :- 20/04/16
Location :- Hadapsar Date of Testing :- 27/04/16
Grade of Concrete :- M-20 Age of Testing :- 7 days
Initial Slump :-150 Slump After half an hour :-100

Sr. No.	S.S.D. Wt.(Kg)	Load in KN		Comp. Strength in N/mm ²		Avg. Strength (N/mm ²)	Remarks
		Machine	Calibrated	7 Day's	28 Day's		
1	8700.000	360	360	16.00			
2	8730.000	380	380	16.89		16.89	
3	8750.000	400	400	17.78			

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WATER CONDITIONER REPORT

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COMPRESSION STRENGTH TEST REPORT
Reference : Indian Standard IS : 516

Sample :- Electromagnetic Water Date of Casting :- 20/04/16
Location :- Hadapsar Date of Testing :- 18/05/16
Grade of Concrete :- M-40 Age of Testing :- 28 days
Initial Slump :-200 Slump After half an hour :-150

Sr. No.	S.S.D. Wt.(Kg)	Load in KN		Comp. Strength in N/mm2		Avg. Strength (N/mm2)	Remarks
		Machine	Calibrated	7 Day's	28 Day's		
1	8955.000	1090	1090	48.44			
2	8978.000	1130	1130	50.22		49.33	
3	8991.000	1110	1110	49.33			

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Initial Slump :-200 Slump After half an hour :-150

Sr. No.	S.S.D. Wt.(Kg)	Load in KN		Comp. Strength in N/mm2		Avg. Strength (N/mm2)	Remarks
		Machine	Calibrated	7 Day's	28 Day's		
1	8920.000	750	750	33.33			
2	8960.000	780	780	34.67		33.93	
3	8940.000	760	760	33.78			

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COMPRESSION STRENGTH TEST REPORT
Reference : Indian Standard IS : 516

Sample :- Normal Water Date of Casting :- 20/04/16
Location :- Hadapsar Date of Testing :- 18/05/16
Grade of Concrete :- M-40 Age of Testing :- 28 days
Initial Slump :-180 Slump After half an hour :-120

Sr. No.	S.S.D. Wt.(Kg)	Load in KN		Comp. Strength in N/mm2		Avg. Strength (N/mm2)	Remarks
		Machine	Calibrated	7 Day's	28 Day's		
1	8900.000	960	960	42.67			
2	8910.000	950	950	42.22		42.67	
3	8920.000	970	970	43.11			

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Sr. No.	S.S.D. Wt.(Kg)	Load in KN		Comp. Strength in N/mm2		Avg. Strength (N/mm2)	Remarks
		Machine	Calibrated	7 Day's	28 Day's		
1	8890.000	650	650	28.89			
2	8910.000	640	640	28.44		28.44	
3	8920.000	630	630	28.00			

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WATER ZONE

Do you know that you are spending **1000's** of Rupees
for **buying salt** alone every year?

How?

If you are using a **water softener** in your premises in home/hostel/ apartments/ industry/ company anywhere..

Here is an small calculation, which makes clear idea, How much you spend money in buying salt alone every year.

i.e., for example

If your hard water is 500ppm and you are consuming 500 liters of water /day. Your average use is 15,000 liters/month. An 100 liter softener requires .16 kgs of salt for 12,000 liter of water to be produced .

$15000 \text{ liters} \times 12 \text{ months} = 1,80,000 / \text{year}.$

$= 1,80,000 / 12,000 = 15 \text{ times} / \text{year}.$

15 times of regeneration/year

1 time regeneration for 100 liter = 16kgs of salt.
15 times / year X 16 kgs of salt

$= 240 \text{ kgs of salt used/year}.$

$= 1 \text{ kg of salt} = 10 \text{ rs}$

$240 \times 10 = 2400 \text{ rs for salt alone}.$

**Do you think this technology is
cost efficient and eco-friendly?**



Water Conditioner

No maintenance

No salt

No yearly Charges

No Water Wastage

5 years warranty

98430 17435 / 98941 88975 WWW.WATERZONE.IN



We use genuine internationally certified spares only



WATER ZONE



World's best ro water purifier with android app

100% pure and safe water,
100 % pure alkaline water
with 72 minerals

- On and Off through android
- 8 levels of unique filtration
- 9 liters stainless steel Tank
- pH Adjuster



Color Options Available only
for **CLASSIQ MINI**

It is the Right time to change from
Plastic to Stainless Steel

Wanted Distributors Across INDIA

☎ +91 98941 88975, +91 98430 17435

🌐 www.waterzone.in

Manufactured in coimbatore