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**ENGINEERING** 



**E - Water Conditioning System** 



**KEEPS YOU WORRY FREE FROM YOUR PIPING PROBLEMS** 



**CONDITIONS THE WATER** 

**SOLVES THE PROBLEM OF SCALING** 

**FIT IT FORGET IT** 

SALT FREE CHEMICAL FREE MAINTENANCE FREE

INNOVATIONS FOR COST SAVING & BETTER LIFE...AT THE SAME TIME

#### WHAT IS HARD WATER & HOW TO IDENTIFY IT?

- \* Ground water contains minerals and it is a good part of it. But mineral compounds in water above desirable limits classify the water as hard water.
- \* Practically it can be easily identified due to problems it creates....like
  Soap and detergents loose effectiveness in hard water. To human body use of hard water creates
  many problems like dry hair; splitting of hairs, skin diseases etc. Not only it taste little different but
  leaves stains on kitchen utensils, bath room, wash area, commode, basin, sinks etc. Hard water
  decreases life of geyser, washing machine, shower etc.
- \* In agriculture scale formation occurs at the roots of plants. Hence lower fiscal output is achieved. Also cattle develop lower appetite and kidney problems.
- \* Different industries face serious problems like rusting and jamming of water pipes, scale development in industrial vassals, lower efficiency of cooling towers and heat exchangers due to scale formation etc. Rust accumulation leads to corrosion.

#### **HOW TO GET RID OF ALL THESE PROBLEMS?**

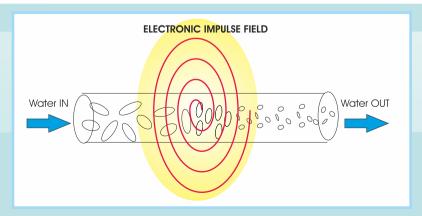
Here is HIMJA ENGINEER'S E-Water Conditioning System, comparatively new in India but it is vastly used in European countries since two decades. It is your 'GREEN' solution to hard water.

## **HOW SCALERT** ANTI SCALING SYSTEM® WORKS?

It does not use any chemical or salt, but it physically treats water. It modifies crystallization of calcium and magnesium using the natural process of electrophoresis.

Electronic microcomputer applies special electronic impulses and changes the crystallization process of the calcium and other elements in hard water, causing the particles to loose their ability to stick to the surfaces.

Use of this device do not allow to develop scale and also gradually cleans old previously deposited scale from your pipes over the period.





### **Domestic:**

It is of great use in apartments, Colony, Bungalows, hospitals, commercial complex etc. It helps to reduce skin diseases & hair problems. Also reduces maintenance cost of washing machine, RO system, geyser, shower and whole piping system. It makes soap and detergents more efficient. Your sink, kitchen utensils, wash basin, wash area remains stain free.

# **Industrial:**

It increases efficiency of plastic, ceramic, chemical, pharma plants. System helps to reduce maintenance expenses to remove scale formation in boilers, cooling towers, cooling systems, heat exchangers etc. In ice factories one can save electricity and time. It is of great use in solar plants too.

# **Poultry and cattle farms:**

Improves FCR in poultry farm, which a very important factor in profitability calculation. It Improves water intake capability of cattle and pets. Also helps to control kidney and teeth diseases. Monthly cycles remain regular in female animals. Death rate decrease to due to better water intake and improved digestion power.

## **Agriculture:**

Enhance roots efficiency to absorb fertilizers and pesticides and consequently greater fiscal yield. Helps to improves quality and color of vegetables. Keeps dripper clean in drip irrigation method. Keeps soil soft and fertile. One can make use of water having high TDS level in farming. It reduces surface tension of water, so pesticides become more effective on insects, which are harmful to crops.



# UNIQUE FEATURES OF SCALERT ANTI SCALING SYSTEM®

**Signal Belt Technology - Non Magnetic** 

- \* Not just it stops scale forming but gradually removes previously deposited scale in pipe
- \* Consumes very little electricity, just 5 watt even less than so called ZERO's bulb
- \* Only one time investment, zero maintenance cost for years because it is salt free and chemical free
- \* Can work with various pipes like Galvanize, U-PVC, C-PVC, copper, stainless steel or any
- \* Very easy to install
- \* Trouble less working from 150 V ac to 250 V ac input ac power
- \* Very safe, as no part of system comes in contact with water
- \* Different models are available for various sizes of pipes

#### **CERTIFICATIONS**

- 1) Intellectual Property Right India: 3890788
- 2) Copyright India: 3946730
- 3) Performance certified by Euro Compliance: ECCS / TC / 0601
- 4) ISO 9001:2015 Certificate: I-QSC 201809002
- 5) CE Compliance Certificate: EU 5331
- 6) DIN EN 55014 2

- 7) DIN EN 55014 1
- 8) DIN EN 61000 3 2
- 9) DIN EN 61000 3 3
- 10) Udyog AAdhar: GJ01a0108656
- 11) GEM GOVT. OF INDIA Registered.
- 12) Confirms IP 65 Standard

# BEFORE and AFTER installation of SCALERT ANTI SCALING SYSTEM®



**Dealer:** 



25+26/18, Nilsin Plot, Phase-1, G.I.D.C.- Vatva, Ahmedabad- 382 445. Gujarat (INDIA).

www.himjaengineering.com



